

DUFF & PHELPS

2019 Valuation Handbook
U.S. Industry Cost of Capital

Market Results Through March 2019

Duff & Phelps

Company and SIC List

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Duff & Phelps has authored *five* books that focus on U.S. and international valuation theory, data, and risk premia (e.g., equity risk premia, risk-free rates, size premia, industry risk premia, betas, industry multiples and other statistics) for use in valuation models. These five books are (i) the *Cost of Capital: Applications and Examples* (5th edition), and the four "Valuation Handbooks": (ii) the *Valuation Handbook – U.S. Guide to Cost of Capital*, (iii) the *Valuation Handbook – U.S. Industry Cost of Capital* (this book), (iv) the *Valuation Handbook – International Guide to Cost of Capital*, and (v) the *Valuation Handbook – International Industry Cost of Capital*.

Duff & Phelps produces *one* book that focuses on U.S. capital markets performance data (i.e., the history of returns of the capital markets in the U.S. from 1926 to the present). This resource, the *Stocks, Bonds, Bills, and Inflation® (SBBi®) Yearbook*, has been published for over 30 years.¹ The *SBBi® Yearbook* does not provide extensive valuation data or methodology.²

The Four Valuation Handbooks are Transitioning from Print to Online Delivery in 2019 and 2020

In 2019 and 2020, the four Duff & Phelps *Valuation Handbooks* are transitioning from *print* to a new *online* delivery platform, the "Cost of Capital Navigator". The Cost of Capital Navigator guides the Analyst through the process of estimating the cost of capital, a key component of any valuation analysis.³

To learn more about the Cost of Capital Navigator, visit: dpcostofcapital.com.

¹ "Stocks, Bonds, Bills, and Inflation®" and "SBBi®" are registered trademarks of Morningstar, Inc. All rights reserved. Used with permission.

² Morningstar previously published two "Ibbotson SBBi®" yearbooks: (i) The *SBBi® "Classic" Yearbook*, which is now produced by Duff & Phelps as the "*SBBi® Yearbook*" starting in 2016 (the word "Classic" was dropped from the title), and (ii) the *SBBi® "Valuation" Yearbook*, which was discontinued by Morningstar in 2013. The former Ibbotson/Morningstar *SBBi® Valuation Yearbook* was replaced by the Duff & Phelps *Valuation Handbook – U.S. Guide to Cost of Capital* in 2014, and published annually as a hardcover book through 2017. Starting in 2018, Duff & Phelps will not publish a commercially available physical version of the *Valuation Handbook – U.S. Guide to Cost of Capital* that includes the data exhibits; the essential valuation data from the data exhibits will be available only in the Cost of Capital Navigator online platform. To learn more about the Cost of Capital Navigator, visit: dpcostofcapital.com.

³ The Cost of Capital Navigator includes cost of *equity* capital estimates and weighted average cost of capital (WACC) estimates. Later versions of the Cost of Capital Navigator are scheduled to include cost of debt.

The *Valuation Handbook – U.S. Guide to Cost of Capital* is the First Valuation Handbook to Transition from Print to Online Delivery

The four *Valuation Handbooks* will be transitioned over to the online Cost of Capital Navigator platform in stages. In the first stage in February 2018, the *Valuation Handbook – U.S. Guide to Cost of Capital* was transitioned over. Starting in 2018, the essential valuation data previously published in the *Valuation Handbook – U.S. Guide to Cost of Capital* is available exclusively in the new online Cost of Capital Navigator platform at dpcostofcapital.com. The Cost of Capital Navigator includes two essential U.S. valuation data sets:

- The CRSP Decile Size Study (the former Ibbotson Associates/Morningstar *SBBi® Valuation Yearbook* data)⁴
- The Risk Premium Report Study

The Cost of Capital Navigator includes size premia, industry risk premia, equity risk premia (ERPs), risk-free rates, and other risk premia that Analysts have used and trusted for years to develop cost of capital estimates for U.S. companies.

The *2019 Cost of Capital: Annual U.S. Guidance and Examples* is a companion publication available to licensees of the Cost of Capital Navigator.⁵

To be clear, the *2019 Cost of Capital: Annual U.S. Guidance and Examples*:

- Includes the content, examples, frequently asked questions (FAQs), and methodology previously published in the Duff & Phelps *Valuation Handbook – U.S. Guide to Cost of Capital*, updated through December 31, 2018
- Does not include the data exhibits previously published in the *Valuation Handbook – U.S. Guide to Cost of Capital*, which are available exclusively in the online Cost of Capital Navigator platform starting in 2018.
- Is provided as a reference book and teaching aid only.

⁴ Morningstar previously published two "Ibbotson SBBi®" yearbooks: (i) The *SBBi® "Classic" Yearbook*, which is now produced by Duff & Phelps as the "*SBBi® Yearbook*" starting in 2016 (the word "Classic" was dropped from the title), and (ii) the *SBBi® "Valuation" Yearbook*, which was discontinued by Morningstar in 2013. The former Ibbotson/Morningstar *SBBi® Valuation Yearbook* was replaced by the Duff & Phelps *Valuation Handbook – U.S. Guide to Cost of Capital* in 2014, and published annually as a hardcover book through 2017. Starting in 2018, Duff & Phelps will not publish a commercially available physical version of the *Valuation Handbook – U.S. Guide to Cost of Capital* that includes the data exhibits; the essential valuation data from the data exhibits will be available only in the Cost of Capital Navigator online platform. To learn more about the Cost of Capital Navigator, visit: dpcostofcapital.com.

⁵ The *2019 Cost of Capital: Annual U.S. Guidance and Examples* is available to licensed Cost of Capital Navigator users only. The *2018 Cost of Capital: Annual U.S. Guidance and Examples* is sold separately (\$45). "The *2018 Cost of Capital: Annual Guidance and Examples* provides many examples for properly using the CRSP Deciles Size Study and Risk Premium Report Study data to resource for training new staff." – Roger Grabowski, Duff & Phelps

The Other Three *Valuation Handbooks* Will Transition from Print to Online Delivery Later in 2019 and 2020

The other three *Valuation Handbooks* (the *Valuation Handbook – U.S. Industry Cost of Capital*, the *Valuation Handbook – International Guide to Cost of Capital*, and the *Valuation Handbook – International Industry Cost of Capital*) will be printed and distributed as books in 2019, but the information and data from these books is scheduled to be available exclusively in the Cost of Capital Navigator after the transition.

By the end of 2020, the essential data and information from all four *Valuation Handbooks* is scheduled to be housed online in the Cost of Capital Navigator platform, and physical books that include the data exhibits will not be commercially available. The 2019 and 2020 schedule is provided below:⁶

Valuation Handbook	2019	2020
<i>Valuation Handbook – U.S. Guide to Cost of Capital</i>	Data available exclusively online in the Cost of Capital Navigator platform	Data available exclusively in the Cost of Capital Navigator platform
<i>Valuation Handbook – U.S. Industry Cost of Capital</i>	Printed as book	Data available exclusively in the Cost of Capital Navigator platform
<i>Valuation Handbook – International Guide to Cost of Capital</i>	Printed as book	Data available exclusively in the Cost of Capital Navigator platform
<i>Valuation Handbook – International Industry Cost of Capital</i>	Printed as book	Data available exclusively in the Cost of Capital Navigator platform

The *Cost of Capital: Applications and Examples* (5th Edition) and the *SBBi® Yearbook* Will Continue to be Printed as Hardcover Books

There are presently no plans to transition the information and data from the *Cost of Capital: Applications and Examples* (5th edition) and the *SBBi® Yearbook* over to the Cost of Capital Navigator platform. These two books will continue to be published as hardcover books.⁷

Each of the six books is summarized in the following sections.

⁶ Duff & Phelps reserves the right to amend this schedule as needed.

⁷ The *SBBi® Yearbook* is published annually (typically in March), with data through December 31 of the previous year. *The Cost of Capital: Applications and Examples* (5th edition) was published in 2014; the publication of an updated “6th edition” is scheduled for winter 2019.

Cost of Capital: Applications and Examples 5th edition

Note: *There are presently no plans to transition the information and data from the Cost of Capital: Applications and Examples (5th edition) over to the Cost of Capital Navigator platform. This book will continue to be published as a hardcover book.*

The *Cost of Capital: Applications and Examples* 5th edition, by Shannon P. Pratt and Roger J. Grabowski (John Wiley & Sons, Inc., 2014) is the authoritative, comprehensive overview of valuation theory, best practices, and proper use of data.

This book puts an emphasis on practical application.

The *Cost of Capital: Applications and Examples* 5th edition is a one-stop shop for background and current thinking on the development and uses of rates of return on capital. This book contains expanded materials on estimating the basic building blocks of the cost of equity capital, the risk-free rate, and the equity risk premium, plus in-depth discussion of the volatility created by the 2008 financial crisis, the subsequent recession and uncertain recovery, and how those events have fundamentally changed how we need to interpret the inputs to the models we use to develop these estimates.

The *Cost of Capital: Applications and Examples* 5th edition includes case studies providing comprehensive discussion of cost of capital estimates for valuing a business and damages calculations for small and medium-sized businesses, cross-referenced to the chapters covering the theory and data. This book puts an emphasis on practical application. To that end, this updated edition provides readers with exclusive access to a companion website filled with supplementary materials, allowing you to continue to learn in a hands-on fashion long after closing the book.

The *Cost of Capital: Applications and Examples* has been published since 1998, and is updated every three to four years. The 6th edition of this book is scheduled to be available in winter 2019.

"Shannon Pratt and Roger Grabowski have produced a remarkably comprehensive review of the subject...it is a work that valuation practitioners, CFOs, and others will find an invaluable reference".

– **Professor Richard Brealey**, Emeritus Professor of Finance, London Business School (from the Foreword)

"Estimating the cost of capital is critical in determining the valuation of assets, in evaluating the capital structure of corporations, and in estimating the long-run expected return of investments. Shannon Pratt and Roger Grabowski have the most thorough text on the subject, not only providing various estimation methods, but also numerous ways to use the cost of capital".

– **Professor Roger G. Ibbotson**, Professor Emeritus of Finance at the Yale School of Management, Chairman and Chief Investment Officer of Zebra Capital LLC, and former Chairman and founder of Ibbotson Associates, now part of Morningstar, Inc.

Cost of Capital Navigator (the information and data previously published in the *Valuation Handbook – U.S. Guide to Cost of Capital*)

Note: Starting in 2018, the information and valuation data from the *Valuation Handbook – U.S. Guide to Cost of Capital* is available exclusively in the online Cost of Capital Navigator platform. A physical book that includes the data exhibits is not commercially available.

To learn more about the online Cost of Capital Navigator, visit: dpcostofcapital.com.

The *Valuation Handbook – U.S. Guide to Cost of Capital* was published from 2014–2017, and included the U.S. cost of capital data inputs (equity risk premia, size premia, industry risk premia, risk premia over the risk-free rate, risk-free rates) that were previously published in the Morningstar/Ibbotson *Stocks, Bonds, Bills, and Inflation*® (SBB^I®) *Valuation Yearbook* and the Duff & Phelps *Risk Premium Report*. This data can be used to develop cost of equity capital estimates (using both the build-up method and CAPM) for an individual business, business ownership interest, security, or intangible asset.

Starting in 2018, the essential valuation data previously published in the *Valuation Handbook – U.S. Guide to Cost of Capital* will be available exclusively in the new online Cost of Capital Navigator platform. The *2018 Cost of Capital: Annual U.S. Guidance and Examples* is a companion publication available to licensees of the Cost of Capital Navigator.

To be clear, the *2018 Cost of Capital: Annual U.S. Guidance and Examples*:

- Includes the content, examples, frequently asked questions (FAQs), and methodology previously published in the Duff & Phelps *Valuation Handbook – U.S. Guide to Cost of Capital*, updated through December 31, 2017.
- Does not include the data exhibits previously published in the *Valuation Handbook – U.S. Guide to Cost of Capital*, which are available exclusively in the online Cost of Capital Navigator platform starting in 2018.
- Is provided as a reference book and teaching aid only.

The two valuation data sets previously published in the *Valuation Handbook – U.S. Guide to Cost of Capital* from 2014–2017 and now (i.e., 2018 and subsequent years) available exclusively in the online Cost of Capital Navigator are: (i) the CRSP Deciles Size Study (the former Ibbotson/Morningstar SBB^I® *Valuation Yearbook* data), and (ii) the Risk Premium Report Study. The 2018 CRSP Deciles Size Study and the 2018 Risk Premium Report Study include data through December 31, 2017.

As of the initial launch of the online Cost of Capital Navigator platform in February 2018, both the CRSP Deciles Size Study and the Risk Premium Report Study are available online for all years from 1999–present.⁸

⁸ There are two Cost of Capital Navigator subscription levels: (i) the “Basic” annual subscription includes the two most recent years of valuation data; and (ii) the “Pro” annual subscription includes all years of data from 1999–present. As of the initial launch of the Cost of Capital Navigator in early 2018, the “two most recent years” are 2017 and 2018 data, with data through December 31, 2016 and December 31, 2017, respectively. As of the initial launch of the Cost of Capital Navigator in early 2018, “1999–present” is all years from 1999 through 2018. To learn more, please visit dpcostofcapital.com

Valuation Handbook – U.S. Industry Cost of Capital

Note: The *Valuation Handbook – U.S. Industry Cost of Capital* will be printed and distributed as a physical book one final time in 2019, but the information and data from this book will be added to the *Cost of Capital Navigator* later in 2019. Starting in 2020, information and valuation data from this book is scheduled to be available exclusively in the online *Cost of Capital Navigator*.

To learn more about the *Valuation Handbook – U.S. Industry Cost of Capital*, visit:
duffandphelps.onfastspring.com/books.

This annual book provides industry-level cost of capital estimates (cost of equity capital, cost of debt capital, and weighted average cost of capital, or WACC), plus detailed industry-level statistics for sales, market capitalization, capital structure, various levered and unlevered beta estimates (e.g., ordinary-least squares (OLS) beta, sum beta, peer group beta, downside beta, etc.), valuation (trading) multiples, financial and profitability ratios, equity returns, aggregate forward-looking earnings-per share (EPS) growth rates, and more. Over 300 critical industry-level data points are calculated for approximately 170 U.S. industries (depending on data availability). Industries are organized by standard industrial classification (SIC) code.

The *Valuation Handbook – U.S. Industry Cost of Capital* can be used to benchmark, augment, and support the analyst's own custom analysis of the industry in which a subject business, business ownership interest, security, or intangible asset resides.

The *Valuation Handbook – U.S. Industry Cost of Capital* has been published since 2014, and is updated annually with data through March 31 of the current year (e.g., the *2014 Valuation Handbook – U.S. Industry Cost of Capital* is "data through" March 31, 2014; the *2015 Valuation Handbook – U.S. Industry Cost of Capital* is "data through" March 31, 2015, etc.). This book includes three intra-year quarterly updates (June, September, and December).

Valuation Handbook – International Guide to Cost of Capital

Note: The *Valuation Handbook – International Guide to Cost of Capital* will be printed and distributed as a physical book one final time in 2019, but the information and data from this book will be added to the *Cost of Capital Navigator* later in 2019 and 2020. Starting in 2020, information and valuation data from this book is scheduled to be available exclusively in the online *Cost of Capital Navigator*.

To learn more about the *Valuation Handbook – International Guide to Cost of Capital*, visit:
duffandphelps.onfastspring.com/books.

This annual book provides country-level equity risk premia (ERPs), relative volatility (RV) factors, and country risk premia (CRPs).

This book can be used to estimate country-level cost of equity capital globally, for up to 186 countries, from the perspective of investors based in any one of up to 56 countries (depending on data availability).

The *Valuation Handbook – International Guide to Cost of Capital* has been published since 2014, and is updated annually with data through December of the previous year and March of the current year (e.g., the *2014 Valuation Handbook – International Guide to Cost of Capital* is "data through" December 31, 2013 and March 31, 2014; the *2015 Valuation Handbook – International Guide to Cost of Capital* is "data through" December 31, 2014 and March 31, 2015, etc.). This book includes one semi-annual update with data through June and September.

"Measuring the impact of country risk in determining the international cost of capital is one of the most vexing issues in finance. Any company doing international cost of capital estimation must, at minimum, consult the Valuation Handbook – International Guide to Cost of Capital".

– **Campbell R. Harvey**, Professor of Finance at the Fuqua School of Business, Duke University; Research Associate of the National Bureau of Economic Research in Cambridge, Massachusetts; President of the American Finance Association in 2016

Valuation Handbook – International Industry Cost of Capital

Note: The *Valuation Handbook – International Industry Cost of Capital* will be printed and distributed as a physical book one final time in 2019, but the information and data from this book will be added to the *Cost of Capital Navigator* later in 2019 and 2020. Starting in 2020, information and valuation data from this book is scheduled to be available exclusively in the online *Cost of Capital Navigator*.

To learn more about the *Valuation Handbook – International Industry Cost of Capital*, visit:
duffandphelps.onfastspring.com/books.

This annual book provides the same type of rigorous industry-level analysis published in the U.S.-centric *Valuation Handbook – U.S. Industry Cost of Capital*, on a global scale.

This book includes industry-level analyses for four global economic areas: (i) the “World”, (ii) the European Union, (iii) the Eurozone, and (iv) the United Kingdom.⁹ Industries in the book are identified by their Global Industry Classification Standard (GICS) code. Each of the four global economic area's industry analyses are presented in three currencies: (i) the euro (€ or EUR), (ii) the British pound (£ or GBP), and (iii) the U.S. dollar (\$) or USD).

This annual book provides industry level cost of capital estimates (cost of equity capital, cost of debt capital, and weighted average cost of capital, or WACC), plus detailed industry-level statistics for sales, market capitalization, capital structure, various levered and unlevered beta estimates (e.g., ordinary-least squares (OLS) beta, sum beta, peer group beta, downside beta, etc.), valuation (trading) multiples, financial and profitability ratios, equity returns, aggregate forward-looking earnings-per share (EPS) growth rates, and more. Over 300 critical industry-level data points are calculated for each industry (depending on data availability). Industries are organized by global industry classification standard (GICS) code.

The *Valuation Handbook – International Industry Cost of Capital* can be used to benchmark, augment, and support the analyst's own custom analysis of the industry in which a subject business, business ownership interest, security, or intangible asset resides.

The *Valuation Handbook – International Industry Cost of Capital* has been published since 2015, and is updated annually with data through March 31 of the current year (e.g., the *2015 Valuation Handbook – International Industry Cost of Capital* is “data through” March 31, 2015; the *2016 Valuation Handbook – International Industry Cost of Capital* is “data through” March 31, 2016, etc.). This book includes one semi-annual update with data through September.

⁹ In the *Valuation Handbook – International Industry Cost of Capital*, “World” companies are defined as companies that (i) are components of the MSCI ACWI IMI, and (ii) satisfy the rigorous screening requirements that are employed to define the company sets used therein.

Stocks, Bonds, Bills, and Inflation® (SBBi®) Yearbook

Note: There are presently no plans to transition the information and data from the *Stocks, Bonds, Bills, and Inflation® (SBBi®) Yearbook* over to the *Cost of Capital Navigator* platform. This book will continue to be published as a hardcover book.

To learn more about the *Stocks, Bonds, Bills, and Inflation® (SBBi®) Yearbook*, visit:

duffandphelps.onfastspring.com/books.

This annual book has been the definitive annual resource for historical U.S. capital markets performance data for over 30 years.

Starting with the 2016 edition, the *Stocks, Bonds, Bills, and Inflation® (SBBi®) Yearbook* is now produced by Duff & Phelps. The *SBBi® Yearbook* was previously published by Morningstar, Inc. under the name "*Ibbotson Stocks, Bonds, Bills, and Inflation® (SBBi®) Classic Yearbook*".^{10,11,12}

This book includes returns, index values, and statistical analyses of U.S. large company stocks, small company stocks, long-term corporate bonds, long-term government bonds, intermediate-term government bonds, U.S. Treasury bills, and inflation from January 1926 to present (monthly).

Anyone serious about investments or investing needs an appreciation of capital market history. Such an appreciation, which can be gained from this book, is equally valuable to the individual and institutional investor, practitioners and scholars in finance, economics, and business; portfolio strategists, and security analysts seeking to benchmark their own investment performance. The *SBBi® Yearbook* is a thinking person's guide to using historical data to understand the financial markets and make decisions.

¹⁰ The *SBBi® Classic Yearbook* (as it was known at that time) was published by Morningstar, Inc. from 2007 through 2015, and by Ibbotson Associates in years prior to 2007.

¹¹ The *SBBi® Yearbook* provides historical "performance" data of U.S. asset classes, while the other Duff & Phelps data resources provide "valuation" data. Specifically, the other Duff & Phelps data resources focus on U.S. and international valuation data and risk premia (e.g., equity risk premia, risk-free rates, size premia, industry risk premia, betas, industry multiples and other statistics, etc.) for use in valuation models, while the *SBBi® Yearbook* is (i) a history of the returns of the capital markets in the U.S. (thus the name, "*Stocks, Bonds, Bills, and Inflation®*" or "*SBBi®*") from 1926 to the present, and (ii) an analysis of the relative performance of U.S. asset classes. The *SBBi® Yearbook* has been published annually for over 30 years. The *SBBi® Yearbook* does not provide extensive valuation data or methodology.

¹² Beginning with the 2018 edition, the *SBBi® Yearbook* is now self-published by Duff & Phelps. The 2016 and 2017 editions were published by John Wiley & Sons.

Introduction

The hardcover *2019 Valuation Handbook – U.S. Industry Cost of Capital* is published with data through March 2019, and includes three intra-year Quarterly Updates (June, September, and December 2019), delivered in Adobe PDF format.^{13,14}

The *2019 Valuation Handbook – U.S. Industry Cost of Capital* provides cost of capital estimates (i.e., equity capital, debt capital, and WACC) for approximately 170 U.S. industries (identified by Standard Industrial Classification (SIC) code) and size groupings (i.e., Large-, Mid-, Low-, and Micro-capitalization companies), plus detailed statistics for sales, market capitalization, capital structure, various levered and unlevered beta estimates (e.g., ordinary least squares (OLS) beta, sum beta, downside beta, etc.), valuation (trading) multiples, financial and profitability ratios, equity returns, aggregate forward-looking earnings-per-share (EPS) growth rates, and more. The information and statistics in the *2018 Valuation Handbook – U.S. Industry Cost of Capital* can be used by the analyst to (i) benchmark, (ii) augment, and (iii) support his or her own custom analysis of the industry in which a subject business, business ownership interest, security, or intangible asset resides.¹⁵

The information in the *2019 Valuation Handbook – U.S. Industry Cost of Capital*, “Company and SIC List” (this document) is a list of the companies used in the approximate 170 U.S. industry analyses presented in the *2019 Valuation Handbook – U.S. Industry Cost of Capital, Quarterly Update 3* (data through December 2019). As such, the information herein is specific to the *2019 Valuation Handbook – Industry Cost of Capital, Quarterly Update 3* (data through December 2019), and is not applicable to any other book, update, or document.

Company and SIC Lists

The company screening process used for identifying the main set of “healthy” companies used for the analyses presented in the *2019 Valuation Handbook – U.S. Industry Cost of Capital* mimics the screening process employed in the Risk Premium Report Study Exhibits that are published in the *2019 Valuation Handbook – U.S. Guide to Cost of Capital*.

The set of companies remaining after this screening process (i) are “seasoned” companies in that they have been traded for several years, (ii) have been selling at least a minimal quantity of product or services, and (iii) have been able to achieve a degree of positive cash flow from operations. The last step in this screening process is identifying “pure play” companies. Pure play companies are defined here as those companies that derive at least 75% of their overall revenue from a single SIC code. The companies identified in this process (“Main Set”) are used in the analyses to calculate the “Median”, “SIC Composite”, “Large Composite”, and “Small Composite” metrics for each industry (data availability allowing). Please note that “high-financial-risk” companies (“High-Financial-Risk Set”) are identified and analyzed

¹³ The Quarterly Updates are now included, and are not sold separately.

¹⁴ The *2019 Valuation Handbook – U.S. Industry Cost of Capital* was published with data through March 2019, and also includes June, September, and December (2019) Quarterly Updates.

¹⁵ The *2019 Valuation Handbook – U.S. Guide to Cost of Capital* provides key year-end data previously available in (i) the Morningstar/Ibbotson S&P Valuation Yearbook and (ii) the Duff & Phelps Risk Premium Report. The *2019 Valuation Handbook – U.S. Guide to Cost of Capital* can be used to develop cost of equity capital estimates for an individual business, business ownership interest, security, or intangible asset.

separately. A list of companies included in the High-Financial-Risk Set analyses is presented in Appendices C and D.

For a detailed discussion of the company set selection process employed in the *2019 Valuation Handbook – U.S. Industry Cost of Capital* and its quarterly updates, please refer to the section entitled “Company Screening Process” in that book.

The following appendices are included herein:

Main Set

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Appendix B: SIC Codes in which Companies (Main Set) are Included

High-Financial-Risk Set

Appendix C: Companies (High-Financial-Risk Set) in Each Industry, by SIC Code

Appendix D: SIC Codes in which Companies (High-Financial-Risk Set) are Included

Standard Industrial Classification (SIC) Definitions

Appendix E: Industry List by SIC Code

Appendix F: Industry List by Industry Name (alphabetical)

Appendix A:

Companies (Main Set) in Each Industry, by SIC Code

Appendix A is a list of the Main Set of companies used to calculate the "Median", "SIC Composite", "Large Composite", and "Small Composite" metrics for each SIC code (data availability allowing) in the *2019 Valuation Handbook – U.S. Industry Cost of Capital* (data through March 2019).

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

SIC 1

Alico, Inc.
Alliance Resource Partners, L.P.
Ameresco, Inc.
Antero Resources Corporation
Beazer Homes USA, Inc.
Cabot Oil & Gas Corporation
Callon Petroleum Company
Ciner Resources LP
Comfort Systems USA, Inc.
Compass Minerals International, Inc.
ConocoPhillips
Continental Resources, Inc.
D.R. Horton, Inc.
DCP Midstream, LP
Diamondback Energy, Inc.
Dycom Industries, Inc.
EMCOR Group, Inc.
EOG Resources, Inc.
Evolution Petroleum Corporation
Gold Resource Corporation
Granite Construction Incorporated
Hallador Energy Company
Helmerich & Payne, Inc.
Hi-Crush Partners LP
IES Holdings, Inc.
Installed Building Products, Inc.
KB Home
Lennar Corporation
LGI Homes, Inc.
Limoneira Company
M.D.C. Holdings, Inc.
M/I Homes, Inc.
Martin Marietta Materials, Inc.
MasTec, Inc.
Matrix Service Company
Meritage Homes Corporation
MYR Group Inc.
Newmont Mining Corporation
NVR, Inc.
Oasis Petroleum Inc.
Oceaneering International, Inc.
Panhandle Oil and Gas Inc.
Pioneer Natural Resources Company
PrimeEnergy Resources Corporation

Primoris Services Corporation
PulteGroup, Inc.
Quanta Services, Inc.
RPC, Inc.
Southern Copper Corporation
SRC Energy Inc.
Taylor Morrison Home Corporation
The Goldfield Corporation
The New Home Company Inc.
Toll Brothers, Inc.
Tutor Perini Corporation
U.S. Silica Holdings, Inc.
United States Lime & Minerals, Inc.
VOC Energy Trust
William Lyon Homes

SIC 10

Alico, Inc.
Gold Resource Corporation
Limoneira Company
Newmont Mining Corporation
Southern Copper Corporation

SIC 13

Antero Resources Corporation
Cabot Oil & Gas Corporation
Callon Petroleum Company
ConocoPhillips
Continental Resources, Inc.
DCP Midstream, LP
Diamondback Energy, Inc.
EOG Resources, Inc.
Evolution Petroleum Corporation
Helmerich & Payne, Inc.
Oasis Petroleum Inc.
Oceaneering International, Inc.
Panhandle Oil and Gas Inc.
Pioneer Natural Resources Company
PrimeEnergy Resources Corporation
RPC, Inc.
SRC Energy Inc.
VOC Energy Trust

SIC 131

Antero Resources Corporation
Cabot Oil & Gas Corporation
Callon Petroleum Company
ConocoPhillips
Continental Resources, Inc.
DCP Midstream, LP
Diamondback Energy, Inc.
EOG Resources, Inc.
Evolution Petroleum Corporation
Oasis Petroleum Inc.
Panhandle Oil and Gas Inc.
Pioneer Natural Resources Company
PrimeEnergy Resources Corporation
SRC Energy Inc.
VOC Energy Trust

SIC 14

Ciner Resources LP
Compass Minerals International, Inc.
Hi-Crush Partners LP
Martin Marietta Materials, Inc.
U.S. Silica Holdings, Inc.
United States Lime & Minerals, Inc.

SIC 15

Beazer Homes USA, Inc.
D.R. Horton, Inc.
KB Home
Lennar Corporation
LGI Homes, Inc.
M.D.C. Holdings, Inc.
M/I Homes, Inc.
Meritage Homes Corporation
NVR, Inc.
PulteGroup, Inc.
Taylor Morrison Home Corporation
The New Home Company Inc.
Toll Brothers, Inc.
William Lyon Homes

SIC 16

Ameresco, Inc.
Dycom Industries, Inc.
Granite Construction Incorporated
MasTec, Inc.
MYR Group Inc.

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Primoris Services
Corporation
The Goldfield Corporation

SIC 162

Dycom Industries, Inc.
MasTec, Inc.
MYR Group Inc.
Primoris Services
Corporation
The Goldfield Corporation

SIC 2

A.H. Belo Corporation
AbbVie Inc.
ACCO Brands Corporation
Air Products and
Chemicals, Inc.
Albany International Corp.
Albemarle Corporation
Alexion Pharmaceuticals,
Inc.
Altria Group, Inc.
American Vanguard
Corporation
American Woodmark
Corporation
Amgen Inc.
ANI Pharmaceuticals, Inc.
Anika Therapeutics, Inc.
Archer-Daniels-Midland
Company
Ashland Global Holdings
Inc.
Avery Dennison
Corporation
B&G Foods, Inc.
Balchem Corporation
Bassett Furniture
Industries, Incorporated
Baxter International Inc.
Bemis Company, Inc.
Biogen Inc.
BioSpecifics
Technologies Corp.
Bio-Techne Corporation
Bridgford Foods
Corporation
Bristol-Myers Squibb
Company
Brown-Forman
Corporation
Builders FirstSource, Inc.
Cabot Corporation
Cabot Microelectronics
Corporation
Cal-Maine Foods, Inc.
Cambrex Corporation
Campbell Soup Company
Carter's, Inc.
Cavco Industries, Inc.
Celanese Corporation

Celgene Corporation
CF Industries Holdings,
Inc.
Chase Corporation
Chevron Corporation
Church & Dwight Co., Inc.
Cintas Corporation
Clearwater Paper
Corporation
Coca-Cola Consolidated,
Inc.
Colgate-Palmolive
Company
Columbia Sportswear
Company
Conagra Brands, Inc.
Constellation Brands, Inc.
Corcept Therapeutics
Incorporated
Craft Brew Alliance, Inc.
Crown Crafts, Inc.
CSS Industries, Inc.
Culp, Inc.
CVR Energy, Inc.
CVR Partners, LP
Darling Ingredients Inc.
Delek US Holdings, Inc.
Delta Apparel, Inc.
Deluxe Corporation
Domtar Corporation
DowDuPont Inc.
Eagle Pharmaceuticals,
Inc.
Eastman Chemical
Company
Eli Lilly and Company
Emergent BioSolutions
Inc.
Enanta Pharmaceuticals,
Inc.
Ennis, Inc.
Ethan Allen Interiors Inc.
Ever-Glory International
Group, Inc.
Exelixis, Inc.
Exxon Mobil Corporation
Farmer Bros. Co.
Ferro Corporation
Flexible Solutions
International Inc.
Flexsteel Industries, Inc.
Flowers Foods, Inc.
FMC Corporation
FutureFuel Corp.
General Mills, Inc.
G-III Apparel Group, Ltd.
Gilead Sciences, Inc.
Graphic Packaging
Holding Company
Greif, Inc.
Guess?, Inc.
Gulf Resources, Inc.

H.B. Fuller Company
Hanesbrands Inc.
Herman Miller, Inc.
Heska Corporation
Hexcel Corporation
HNI Corporation
HollyFrontier Corporation
Hooker Furniture
Corporation
Hormel Foods
Corporation
Huntsman Corporation
IDEXX Laboratories, Inc.
IKONICS Corporation
ImmuCell Corporation
Ingredion Incorporated
Innophos Holdings, Inc.
Innospec Inc.
Innoviva, Inc.
Inter Parfums, Inc.
Interface, Inc.
International Flavors &
Fragrances Inc.
International Paper
Company
IT Tech Packaging, Inc.
J & J Snack Foods Corp.
John B. Sanfilippo & Son,
Inc.
John Wiley & Sons, Inc.
Kellogg Company
Kimball International, Inc.
Kimberly-Clark
Corporation
Knoll, Inc.
Kraton Corporation
Kronos Worldwide, Inc.
Lancaster Colony
Corporation
Landec Corporation
Lannett Company, Inc.
La-Z-Boy Incorporated
Lear Corporation
Lee Enterprises,
Incorporated
LifeVantage Corporation
Lifeway Foods, Inc.
Ligand Pharmaceuticals
Incorporated
Luminex Corporation
Mannatech, Incorporated
McCormick & Company,
Incorporated
Medifast, Inc.
Mercer International Inc.
Merck & Co., Inc.
Meridian Bioscience, Inc.
MGP Ingredients, Inc.
Molson Coors Brewing
Company
Mondelez International,
Inc.

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Monster Beverage Corporation
 Multi-Color Corporation
 Myriad Genetics, Inc.
 National Beverage Corp.
 Natural Alternatives International, Inc.
 Nature's Sunshine Products, Inc.
 Neenah, Inc.
 Nektar Therapeutics
 Neogen Corporation
 New Media Investment Group Inc.
 NewMarket Corporation
 Nova LifeStyle, Inc.
 Nu Skin Enterprises, Inc.
 NuStar Energy L.P.
 Ocean Bio-Chem, Inc.
 Olin Corporation
 OraSure Technologies, Inc.
 Oxford Industries, Inc.
 P. H. Glatfelter Company
 Packaging Corporation of America
 Patrick Industries, Inc.
 PBF Energy Inc.
 PepsiCo, Inc.
 Pfizer Inc.
 Phibro Animal Health Corporation
 Phillips 66
 Pilgrim's Pride Corporation
 PPG Industries, Inc.
 PVH Corp.
 Quaker Chemical Corporation
 Quidel Corporation
 Ralph Lauren Corporation
 Regeneron Pharmaceuticals, Inc.
 Renewable Energy Group, Inc.
 Repligen Corporation
 REX American Resources Corporation
 RPM International Inc.
 Sanderson Farms, Inc.
 Scholastic Corporation
 Schweitzer-Mauduit International, Inc.
 Seneca Foods Corporation
 Sensient Technologies Corporation
 SIGA Technologies, Inc.
 Sleep Number Corporation
 Sonoco Products Company
 Steelcase Inc.

Stepan Company
 Supernus Pharmaceuticals, Inc.
 Tempur Sealy International, Inc.
 The Boston Beer Company, Inc.
 The Clorox Company
 The Coca-Cola Company
 The Estée Lauder Companies Inc.
 The Hain Celestial Group, Inc.
 The Hershey Company
 The J. M. Smucker Company
 The Mosaic Company
 The New York Times Company
 The Procter & Gamble Company
 The Scotts Miracle-Gro Company
 The Sherwin-Williams Company
 Tootsie Roll Industries, Inc.
 Trecora Resources
 Trex Company, Inc.
 Tyson Foods, Inc.
 Under Armour, Inc.
 Unifi, Inc.
 UniFirst Corporation
 United Therapeutics Corporation
 United-Guardian, Inc.
 Universal Forest Products, Inc.
 V.F. Corporation
 Valero Energy Corporation
 Valhi, Inc.
 Value Line, Inc.
 Verso Corporation
 Vertex Pharmaceuticals Incorporated
 Virco Mfg. Corporation
 W. R. Grace & Co.
 WD-40 Company
 Westlake Chemical Corporation
 WestRock Company
 Willamette Valley Vineyards, Inc.
 ZAGG Inc
 Zoetis Inc.

SIC 20

Archer-Daniels-Midland Company
 B&G Foods, Inc.

Bridgford Foods Corporation
 Brown-Forman Corporation
 Cal-Maine Foods, Inc.
 Campbell Soup Company
 Coca-Cola Consolidated, Inc.
 Conagra Brands, Inc.
 Constellation Brands, Inc.
 Craft Brew Alliance, Inc.
 Darling Ingredients Inc.
 Farmer Bros. Co.
 Flowers Foods, Inc.
 General Mills, Inc.
 Hormel Foods Corporation
 Ingredion Incorporated
 J & J Snack Foods Corp.
 John B. Sanfilippo & Son, Inc.
 Kellogg Company
 Lancaster Colony Corporation
 Landec Corporation
 Lifeway Foods, Inc.
 McCormick & Company, Incorporated
 Medifast, Inc.
 MGP Ingredients, Inc.
 Molson Coors Brewing Company
 Mondelez International, Inc.
 Monster Beverage Corporation
 National Beverage Corp.
 PepsiCo, Inc.
 Pilgrim's Pride Corporation
 Sanderson Farms, Inc.
 Seneca Foods Corporation
 The Boston Beer Company, Inc.
 The Coca-Cola Company
 The Hain Celestial Group, Inc.
 The Hershey Company
 The J. M. Smucker Company
 Tootsie Roll Industries, Inc.
 Tyson Foods, Inc.
 Willamette Valley Vineyards, Inc.

SIC 201

Bridgford Foods Corporation
 Hormel Foods Corporation
 Pilgrim's Pride

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Corporation
Sanderson Farms, Inc.
Tyson Foods, Inc.

Ethan Allen Interiors Inc.
Flexsteel Industries, Inc.
Herman Miller, Inc.
HNI Corporation

Verso Corporation
WestRock Company
ZAGG Inc

SIC 208

Brown-Forman Corporation
Coca-Cola Consolidated, Inc.
Constellation Brands, Inc.
Craft Brew Alliance, Inc.
MGP Ingredients, Inc.
Molson Coors Brewing Company
Monster Beverage Corporation
National Beverage Corp.
The Boston Beer Company, Inc.
The Coca-Cola Company
Willamette Valley Vineyards, Inc.

Hooker Furniture Corporation
Kimball International, Inc.
Knoll, Inc.
La-Z-Boy Incorporated
Lear Corporation
Nova LifeStyle, Inc.
Sleep Number Corporation
Steelcase Inc.
Tempur Sealy International, Inc.
Virco Mfg. Corporation

SIC 262

Clearwater Paper Corporation
Domtar Corporation
IT Tech Packaging, Inc.
Kimberly-Clark Corporation
Neenah, Inc.
P. H. Glatfelter Company
Verso Corporation

SIC 22

Albany International Corp.
Crown Crafts, Inc.
Culp, Inc.
Interface, Inc.
Unifi, Inc.

SIC 251

Bassett Furniture Industries, Incorporated
Ethan Allen Interiors Inc.
Flexsteel Industries, Inc.
Hooker Furniture Corporation
La-Z-Boy Incorporated
Nova LifeStyle, Inc.
Sleep Number Corporation
Tempur Sealy International, Inc.

SIC 265

Graphic Packaging Holding Company
Greif, Inc.
Packaging Corporation of America
Sonoco Products Company
WestRock Company

SIC 23

Carter's, Inc.
Cintas Corporation
Columbia Sportswear Company
Delta Apparel, Inc.
Ever-Glory International Group, Inc.
G-III Apparel Group, Ltd.
Guess?, Inc.
Hanesbrands Inc.
Oxford Industries, Inc.
PVH Corp.
Ralph Lauren Corporation
Under Armour, Inc.
UniFirst Corporation
V.F. Corporation

SIC 252

Herman Miller, Inc.
HNI Corporation
Kimball International, Inc.
Knoll, Inc.
Steelcase Inc.

SIC 27

A.H. Belo Corporation
ACCO Brands Corporation
Deluxe Corporation
Ennis, Inc.
John Wiley & Sons, Inc.
Lee Enterprises, Incorporated
Multi-Color Corporation
New Media Investment Group Inc.
Scholastic Corporation
The New York Times Company
Value Line, Inc.

SIC 24

American Woodmark Corporation
Builders FirstSource, Inc.
Cavco Industries, Inc.
Patrick Industries, Inc.
Trex Company, Inc.
Universal Forest Products, Inc.

SIC 26

Avery Dennison Corporation
Bemis Company, Inc.
Clearwater Paper Corporation
CSS Industries, Inc.
Domtar Corporation
Graphic Packaging Holding Company
Greif, Inc.
International Paper Company
IT Tech Packaging, Inc.
Kimberly-Clark Corporation
Mercer International Inc.
Neenah, Inc.
P. H. Glatfelter Company
Packaging Corporation of America
Sonoco Products Company

SIC 28

AbbVie Inc.
Air Products and Chemicals, Inc.
Albemarle Corporation
Alexion Pharmaceuticals, Inc.
American Vanguard Corporation
Amgen Inc.
ANI Pharmaceuticals, Inc.
Anika Therapeutics, Inc.
Ashland Global Holdings Inc.
Bachem Corporation
Baxter International Inc.
Biogen Inc.
BioSpecifics Technologies Corp.
Bio-Techne Corporation

SIC 25

Bassett Furniture Industries, Incorporated

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Bristol-Myers Squibb Company
 Cabot Corporation
 Cabot Microelectronics Corporation
 Cambrex Corporation
 Celanese Corporation
 Celgene Corporation
 CF Industries Holdings, Inc.
 Chase Corporation
 Church & Dwight Co., Inc.
 Colgate-Palmolive Company
 Corcept Therapeutics Incorporated
 CVR Partners, LP
 DowDuPont Inc.
 Eagle Pharmaceuticals, Inc.
 Eastman Chemical Company
 Eli Lilly and Company
 Emergent BioSolutions Inc.
 Enanta Pharmaceuticals, Inc.
 Exelixis, Inc.
 Ferro Corporation
 Flexible Solutions International Inc.
 FMC Corporation
 FutureFuel Corp.
 Gilead Sciences, Inc.
 Gulf Resources, Inc.
 H.B. Fuller Company
 Heska Corporation
 Hexcel Corporation
 Huntsman Corporation
 IDEXX Laboratories, Inc.
 IKONICS Corporation
 ImmuCell Corporation
 Innophos Holdings, Inc.
 Innospec Inc.
 Innoviva, Inc.
 Inter Parfums, Inc.
 International Flavors & Fragrances Inc.
 Kraton Corporation
 Kronos Worldwide, Inc.
 Lannett Company, Inc.
 LifeVantage Corporation
 Ligand Pharmaceuticals Incorporated
 Luminex Corporation
 Mannatech, Incorporated
 Merck & Co., Inc.
 Meridian Bioscience, Inc.
 Myriad Genetics, Inc.
 Natural Alternatives International, Inc.

Nature's Sunshine Products, Inc.
 Nektar Therapeutics
 Neogen Corporation
 NewMarket Corporation
 Nu Skin Enterprises, Inc.
 Ocean Bio-Chem, Inc.
 Olin Corporation
 OraSure Technologies, Inc.
 Pfizer Inc.
 Phibro Animal Health Corporation
 PPG Industries, Inc.
 Quidel Corporation
 Regeneron Pharmaceuticals, Inc.
 Repligen Corporation
 REX American Resources Corporation
 RPM International Inc.
 Sensient Technologies Corporation
 SIGA Technologies, Inc.
 Stepan Company
 Supernus Pharmaceuticals, Inc.
 The Estée Lauder Companies Inc.
 The Mosaic Company
 The Scotts Miracle-Gro Company
 The Sherwin-Williams Company
 United Therapeutics Corporation
 United-Guardian, Inc.
 Valhi, Inc.
 Vertex Pharmaceuticals Incorporated
 W. R. Grace & Co.
 WD-40 Company
 Westlake Chemical Corporation
 Zoetis Inc.

SIC 281

Air Products and Chemicals, Inc.
 Flexible Solutions International Inc.
 Gulf Resources, Inc.
 Innophos Holdings, Inc.
 Kronos Worldwide, Inc.
 Valhi, Inc.
 W. R. Grace & Co.

SIC 283

AbbVie Inc.
 Alexion Pharmaceuticals, Inc.

Amgen Inc.
 ANI Pharmaceuticals, Inc.
 Anika Therapeutics, Inc.
 Balchem Corporation
 Baxter International Inc.
 Biogen Inc.
 BioSpecifics Technologies Corp.
 Bio-Techne Corporation
 Bristol-Myers Squibb Company
 Cambrex Corporation
 Celgene Corporation
 Corcept Therapeutics Incorporated
 Eagle Pharmaceuticals, Inc.
 Eli Lilly and Company
 Emergent BioSolutions Inc.
 Enanta Pharmaceuticals, Inc.
 Exelixis, Inc.
 Gilead Sciences, Inc.
 Heska Corporation
 IDEXX Laboratories, Inc.
 ImmuCell Corporation
 Innoviva, Inc.
 Lannett Company, Inc.
 LifeVantage Corporation
 Ligand Pharmaceuticals Incorporated
 Luminex Corporation
 Mannatech, Incorporated
 Merck & Co., Inc.
 Meridian Bioscience, Inc.
 Myriad Genetics, Inc.
 Natural Alternatives International, Inc.
 Nature's Sunshine Products, Inc.
 Nektar Therapeutics
 Neogen Corporation
 Nu Skin Enterprises, Inc.
 OraSure Technologies, Inc.
 Pfizer Inc.
 Phibro Animal Health Corporation
 Quidel Corporation
 Regeneron Pharmaceuticals, Inc.
 Repligen Corporation
 SIGA Technologies, Inc.
 Supernus Pharmaceuticals, Inc.
 United Therapeutics Corporation
 United-Guardian, Inc.
 Vertex Pharmaceuticals Incorporated
 Zoetis Inc.

SIC 2834

ANI Pharmaceuticals, Inc.
 Balchem Corporation
 Baxter International Inc.
 BioSpecifics
 Technologies Corp.
 Bristol-Myers Squibb
 Company
 Celgene Corporation
 Corcept Therapeutics
 Incorporated
 Eagle Pharmaceuticals,
 Inc.
 Eli Lilly and Company
 Innoviva, Inc.
 Lannett Company, Inc.
 LifeVantage Corporation
 Ligand Pharmaceuticals
 Incorporated
 Mannatech, Incorporated
 Merck & Co., Inc.
 Natural Alternatives
 International, Inc.
 Nature's Sunshine
 Products, Inc.
 Nektar Therapeutics
 Nu Skin Enterprises, Inc.
 Pfizer Inc.
 Regeneron
 Pharmaceuticals, Inc.
 Supernus
 Pharmaceuticals, Inc.
 United Therapeutics
 Corporation
 United-Guardian, Inc.
 Vertex Pharmaceuticals
 Incorporated
 Zoetis Inc.

SIC 2835

Heska Corporation
 IDEXX Laboratories, Inc.
 ImmuCell Corporation
 Luminex Corporation
 Myriad Genetics, Inc.
 OraSure Technologies,
 Inc.
 Quidel Corporation

SIC 2836

AbbVie Inc.
 Alexion Pharmaceuticals,
 Inc.
 Amgen Inc.
 Anika Therapeutics, Inc.
 Biogen Inc.
 Emergent BioSolutions
 Inc.
 Enanta Pharmaceuticals,
 Inc.
 Exelixis, Inc.

Gilead Sciences, Inc.
 Repligen Corporation
 SIGA Technologies, Inc.

SIC 284

Church & Dwight Co., Inc.
 Colgate-Palmolive
 Company
 IKONICS Corporation
 Inter Parfums, Inc.
 Ocean Bio-Chem, Inc.
 The Estée Lauder
 Companies Inc.

SIC 286

FutureFuel Corp.
 NewMarket Corporation
 REX American Resources
 Corporation
 Sensient Technologies
 Corporation
 Westlake Chemical
 Corporation

SIC 287

American Vanguard
 Corporation
 CF Industries Holdings,
 Inc.
 CVR Partners, LP
 FMC Corporation
 The Mosaic Company
 The Scotts Miracle-Gro
 Company

SIC 289

Cabot Corporation
 Cabot Microelectronics
 Corporation
 Chase Corporation
 H.B. Fuller Company
 WD-40 Company

SIC 29

Chevron Corporation
 CVR Energy, Inc.
 Delek US Holdings, Inc.
 Exxon Mobil Corporation
 HollyFrontier Corporation
 NuStar Energy L.P.
 PBF Energy Inc.
 Phillips 66
 Quaker Chemical
 Corporation
 Renewable Energy Group,
 Inc.
 Trecora Resources
 Valero Energy Corporation

SIC 291

Chevron Corporation

CVR Energy, Inc.
 Delek US Holdings, Inc.
 Exxon Mobil Corporation
 HollyFrontier Corporation
 NuStar Energy L.P.
 PBF Energy Inc.
 Phillips 66
 Trecora Resources
 Valero Energy Corporation

SIC 3

A. O. Smith Corporation
 AAOON, Inc.
 ABIOMED, Inc.
 Acme United Corporation
 Acuity Brands, Inc.
 ADTRAN, Inc.
 Advanced Energy
 Industries, Inc.
 Aerojet Rocketdyne
 Holdings, Inc.
 AeroVironment, Inc.
 AGCO Corporation
 Alamo Group Inc.
 Align Technology, Inc.
 Allied Motion
 Technologies Inc.
 Allison Transmission
 Holdings, Inc.
 Altra Industrial Motion
 Corp.
 American Axle &
 Manufacturing Holdings,
 Inc.
 American Outdoor Brands
 Corporation
 AMETEK, Inc.
 Amkor Technology, Inc.
 Amphenol Corporation
 Analog Devices, Inc.
 Apogee Enterprises, Inc.
 Apple Inc.
 Applied Materials, Inc.
 Applied Optoelectronics,
 Inc.
 AptarGroup, Inc.
 Armstrong World
 Industries, Inc.
 Arotech Corporation
 Astronics Corporation
 AstroNova, Inc.
 Atrion Corporation
 Autoliv, Inc.
 AVX Corporation
 Axcelis Technologies, Inc.
 Axon Enterprise, Inc.
 AZZ Inc.
 Badger Meter, Inc.
 Ball Corporation
 Barnes Group Inc.

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Becton, Dickinson and Company	Core Molding Technologies, Inc.	Gaming Partners International Corporation
Belden Inc.	Corning Incorporated	Gencor Industries, Inc.
Benchmark Electronics, Inc.	CPS Technologies Corporation	Generac Holdings Inc.
Bio-Rad Laboratories, Inc.	Crane Co.	General Dynamics Corporation
BK Technologies Corporation	Crown Holdings, Inc.	General Motors Company
BorgWarner Inc.	CTI Industries Corporation	Gentex Corporation
Boston Scientific Corporation	CTS Corporation	Gentherm Incorporated
Brady Corporation	Cubic Corporation	Global Brass and Copper Holdings, Inc.
Briggs & Stratton Corporation	Curtiss-Wright Corporation	Globus Medical, Inc.
Broadcom Inc.	CVD Equipment Corporation	Graco Inc.
Bruker Corporation	Daktronics, Inc.	Graham Corporation
Brunswick Corporation	Dana Incorporated	Griffon Corporation
BWX Technologies, Inc.	Danaher Corporation	Haemonetics Corporation
CalAmp Corp.	Data I/O Corporation	Harley-Davidson, Inc.
Callaway Golf Company	Deere & Company	Harris Corporation
Cantel Medical Corp.	Digi International Inc.	Harsco Corporation
Carpenter Technology Corporation	Diodes Incorporated	Hasbro, Inc.
Caterpillar Inc.	Donaldson Company, Inc.	Haynes International, Inc.
Cemtrex, Inc.	Dorman Products, Inc.	HEICO Corporation
Chicago Rivet & Machine Co.	Douglas Dynamics, Inc.	Highpower International, Inc.
China Automotive Systems, Inc.	Dover Corporation	Hillenbrand, Inc.
Ciena Corporation	Dril-Quip, Inc.	Hologic, Inc.
CIRCOR International, Inc.	Ducommun Incorporated	HP Inc.
Cirrus Logic, Inc.	Dynasil Corporation of America	Hubbell Incorporated
Cisco Systems, Inc.	Eagle Materials Inc.	Huntington Ingalls Industries, Inc.
Clearfield, Inc.	EchoStar Corporation	Hurco Companies, Inc.
ClearOne, Inc.	Eddie Stobart Logistics plc	Hyster-Yale Materials Handling, Inc.
Coda Octopus Group, Inc.	Edwards Lifesciences Corporation	ICU Medical, Inc.
Cognex Corporation	Electromed, Inc.	IDEX Corporation
Coherent, Inc.	Electronics for Imaging, Inc.	II-VI Incorporated
Cohu, Inc.	Electro-Sensors, Inc.	Illinois Tool Works Inc.
Colfax Corporation	Emerson Electric Co.	Illumina, Inc.
Columbus McKinnon Corporation	Encore Wire Corporation	Inogen, Inc.
Commercial Metals Company	EnerSys	Insteel Industries, Inc.
Commercial Vehicle Group, Inc.	EnPro Industries, Inc.	Integer Holdings Corporation
CommScope Holding Company, Inc.	Entegris, Inc.	Integra LifeSciences Holdings Corporation
CompX International Inc.	Escalade, Incorporated	Integrated Device Technology, Inc.
Comtech Telecommunications Corp.	ESCO Technologies Inc.	Intel Corporation
CONMED Corporation	Espey Mfg. & Electronics Corp.	inTEST Corporation
Continental Building Products, Inc.	FARO Technologies, Inc.	Intuitive Surgical, Inc.
Continental Materials Corporation	Federal Signal Corporation	IPG Photonics Corporation
Control4 Corporation	Finisar Corporation	iRobot Corporation
Cooper Tire & Rubber Company	First Solar, Inc.	ITT Inc.
Cooper-Standard Holdings Inc.	FLIR Systems, Inc.	Jabil Inc.
	Flowserve Corporation	John Bean Technologies Corporation
	FormFactor, Inc.	Johnson Outdoors Inc.
	Fortinet, Inc.	Juniper Networks, Inc.
	Fossil Group, Inc.	Kadant Inc.
	Fox Factory Holding Corp.	Kaiser Aluminum Corporation
	Franklin Electric Co., Inc.	
	Friedman Industries, Incorporated	

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

KEMET Corporation	Napco Security Technologies, Inc.	Rockwell Automation, Inc.
Kewaunee Scientific Corporation	National Presto Industries, Inc.	Rogers Corporation
Key Tronic Corporation	Natural Gas Services Group, Inc.	Roper Technologies, Inc.
KLA-Tencor Corporation	Natus Medical Incorporated	Rudolph Technologies, Inc.
Kulicke and Soffa Industries, Inc.	Nautilus, Inc.	Sanmina Corporation
L3 Technologies, Inc.	NCI Building Systems, Inc.	Sealed Air Corporation
Lakeland Industries, Inc.	NetApp, Inc.	Semtech Corporation
Lam Research Corporation	NETGEAR, Inc.	Servotronics, Inc.
LCI Industries	NIKE, Inc.	Shiloh Industries, Inc.
LeMaitre Vascular, Inc.	NN, Inc.	SigmaTron International, Inc.
Lennox International Inc.	Nordson Corporation	Silgan Holdings Inc.
Lifetime Brands, Inc.	Northrop Grumman Corporation	Silicon Laboratories Inc.
LightPath Technologies, Inc.	Nucor Corporation	Simpson Manufacturing Co., Inc.
Lincoln Electric Holdings, Inc.	NuVasive, Inc.	Skyworks Solutions, Inc.
Lindsay Corporation	NVE Corporation	Snap-on Incorporated
Littelfuse, Inc.	NVIDIA Corporation	Socket Mobile, Inc.
Lockheed Martin Corporation	Oil-Dri Corporation of America	SORL Auto Parts, Inc.
LRAD Corporation	Omega Flex, Inc.	Spartan Motors, Inc.
Lydall, Inc.	ON Semiconductor Corporation	Spirit AeroSystems Holdings, Inc.
Malibu Boats, Inc.	OneSpan Inc.	SPX Corporation
Marine Products Corporation	Orthofix Medical Inc.	Standard Motor Products, Inc.
Masimo Corporation	Oshkosh Corporation	Standex International Corporation
Materion Corporation	OSI Systems, Inc.	Stanley Black & Decker, Inc.
Maxim Integrated Products, Inc.	Owens Corning	Steel Dynamics, Inc.
Mercury Systems, Inc.	Owens-Illinois, Inc.	Steven Madden, Ltd.
Merit Medical Systems, Inc.	P&F Industries, Inc.	Stoneridge, Inc.
Meritor, Inc.	PACCAR Inc	Strattec Security Corporation
Mesa Laboratories, Inc.	Park Electrochemical Corp.	Stryker Corporation
Methode Electronics, Inc.	Parker-Hannifin Corporation	Sturm, Ruger & Company, Inc.
Mettler-Toledo International Inc.	PDF Solutions, Inc.	Sun Hydraulics Corporation
Microchip Technology Incorporated	PerkinElmer, Inc.	SunCoke Energy Partners, L.P.
Micron Technology, Inc.	PGT Innovations, Inc.	SunCoke Energy, Inc.
Miller Industries, Inc.	Photronics, Inc.	Synaptics Incorporated
Mitek Systems, Inc.	Plantronics, Inc.	Tapestry, Inc.
MKS Instruments, Inc.	Plexus Corp.	Taylor Devices, Inc.
Modine Manufacturing Company	Polaris Industries Inc.	Teledyne Technologies Incorporated
Monolithic Power Systems, Inc.	Powell Industries, Inc.	Teleflex Incorporated
Moog Inc.	Power Integrations, Inc.	Tennant Company
Motorcar Parts of America, Inc.	Preformed Line Products Company	Tenneco Inc.
Movado Group, Inc.	Pro-Dex, Inc.	Teradyne, Inc.
MSA Safety Incorporated	Profire Energy, Inc.	Terex Corporation
MTS Systems Corporation	Proto Labs, Inc.	Texas Instruments Incorporated
Mueller Industries, Inc.	Qorvo, Inc.	Textron Inc.
Mueller Water Products, Inc.	QUALCOMM Incorporated	The Boeing Company
Nanometrics Incorporated	Raven Industries, Inc.	The Cooper Companies, Inc.
	Raytheon Company	The Eastern Company
	RBC Bearings Incorporated	The Goodyear Tire & Rubber Company
	Regal Beloit Corporation	
	ResMed Inc.	
	Rexnord Corporation	
	RF Industries, Ltd.	

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

The Greenbrier Companies, Inc.
The Middleby Corporation
The Timken Company
The Toro Company
Thermo Fisher Scientific Inc.
Thermon Group Holdings, Inc.
Thor Industries, Inc.
Tower International, Inc.
TransAct Technologies Incorporated
Tredgar Corporation
TriMas Corporation
Trimble Inc.
TTM Technologies, Inc.
Tupperware Brands Corporation
U.S. Concrete, Inc.
Ubiquiti Networks, Inc.
Ultra Clean Holdings, Inc.
Ultralife Corporation
United Technologies Corporation
Universal Display Corporation
Universal Electronics Inc.
USG Corporation
Utah Medical Products, Inc.
Valmont Industries, Inc.
Varian Medical Systems, Inc.
Vera Bradley, Inc.
Vicor Corporation
Vishay Intertechnology, Inc.
Vishay Precision Group, Inc.
Visteon Corporation
Wabash National Corporation
WABCO Holdings Inc.
Wabtec Corporation
Waters Corporation
Watts Water Technologies, Inc.
West Pharmaceutical Services, Inc.
Western Digital Corporation
Whirlpool Corporation
Winnebago Industries, Inc.
Wireless Telecom Group, Inc.
Wolverine World Wide, Inc.
Woodward, Inc.
Worthington Industries, Inc.
Xerox Corporation

Xilinx, Inc.
Xylem Inc.
Zebra Technologies Corporation
Zimmer Biomet Holdings, Inc.

SIC 30

AptarGroup, Inc.
Cooper Tire & Rubber Company
Core Molding Technologies, Inc.
CTI Industries Corporation
NIKE, Inc.
Raven Industries, Inc.
Sealed Air Corporation
The Goodyear Tire & Rubber Company
Tupperware Brands Corporation
West Pharmaceutical Services, Inc.

SIC 308

AptarGroup, Inc.
Core Molding Technologies, Inc.
Raven Industries, Inc.
Sealed Air Corporation
Tupperware Brands Corporation

SIC 32

Armstrong World Industries, Inc.
Continental Building Products, Inc.
CPS Technologies Corporation
Eagle Materials Inc.
Oil-Dri Corporation of America
Owens Corning
Owens-Illinois, Inc.
U.S. Concrete, Inc.
USG Corporation

SIC 33

Carpenter Technology Corporation
Encore Wire Corporation
Friedman Industries, Incorporated
Global Brass and Copper Holdings, Inc.
Haynes International, Inc.
Insteel Industries, Inc.
Kaiser Aluminum Corporation

Materion Corporation
Mueller Industries, Inc.
Steel Dynamics, Inc.
SunCoke Energy Partners, L.P.
SunCoke Energy, Inc.

SIC 331

Carpenter Technology Corporation
Friedman Industries, Incorporated
Haynes International, Inc.
Insteel Industries, Inc.
Steel Dynamics, Inc.
SunCoke Energy Partners, L.P.
SunCoke Energy, Inc.

SIC 34

Acme United Corporation
Axon Enterprise, Inc.
Ball Corporation
Chicago Rivet & Machine Co.
CompX International Inc.
Crown Holdings, Inc.
Graham Corporation
Griffon Corporation
Lifetime Brands, Inc.
Mueller Water Products, Inc.
National Presto Industries, Inc.
NCI Building Systems, Inc.
Omega Flex, Inc.
Parker-Hannifin Corporation
PGT Innovations, Inc.
Shiloh Industries, Inc.
Silgan Holdings Inc.
Simpson Manufacturing Co., Inc.
Sturm, Ruger & Company, Inc.
The Eastern Company
Watts Water Technologies, Inc.

SIC 342

Acme United Corporation
CompX International Inc.
Lifetime Brands, Inc.
Simpson Manufacturing Co., Inc.
The Eastern Company

SIC 35

AAON, Inc.
AGCO Corporation
Alamo Group Inc.

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Altra Industrial Motion Corp.
Applied Materials, Inc.
Axcelis Technologies, Inc.
Briggs & Stratton Corporation
BWX Technologies, Inc.
Cisco Systems, Inc.
Colfax Corporation
Columbus McKinnon Corporation
CVD Equipment Corporation
Deere & Company
Digi International Inc.
Douglas Dynamics, Inc.
Dover Corporation
Dril-Quip, Inc.
Electronics for Imaging, Inc.
Entegris, Inc.
Finisar Corporation
Fortinet, Inc.
Gencor Industries, Inc.
Graco Inc.
HP Inc.
Hyster-Yale Materials Handling, Inc.
IDEX Corporation
John Bean Technologies Corporation
Juniper Networks, Inc.
Kadant Inc.
Kulicke and Soffa Industries, Inc.
Lam Research Corporation
Lennox International Inc.
Lincoln Electric Holdings, Inc.
Lindsay Corporation
Mitek Systems, Inc.
Natural Gas Services Group, Inc.
NetApp, Inc.
NETGEAR, Inc.
Nordson Corporation
P&F Industries, Inc.
PDF Solutions, Inc.
Profire Energy, Inc.
Proto Labs, Inc.
RBC Bearings Incorporated
Rexnord Corporation
Taylor Devices, Inc.
Tennant Company
Terex Corporation
The Timken Company
The Toro Company
TransAct Technologies Incorporated
Western Digital Corporation

Xerox Corporation
Zebra Technologies Corporation

SIC 353

Columbus McKinnon Corporation
Douglas Dynamics, Inc.
Dril-Quip, Inc.
Hyster-Yale Materials Handling, Inc.
Natural Gas Services Group, Inc.
Profire Energy, Inc.
Terex Corporation

SIC 355

Applied Materials, Inc.
Axcelis Technologies, Inc.
BWX Technologies, Inc.
CVD Equipment Corporation
Entegris, Inc.
Kadant Inc.
Kulicke and Soffa Industries, Inc.
Lam Research Corporation
PDF Solutions, Inc.
Proto Labs, Inc.

SIC 3559

Applied Materials, Inc.
Axcelis Technologies, Inc.
BWX Technologies, Inc.
CVD Equipment Corporation
Entegris, Inc.
Kulicke and Soffa Industries, Inc.
Lam Research Corporation
PDF Solutions, Inc.
Proto Labs, Inc.

SIC 356

Altra Industrial Motion Corp.
Gencor Industries, Inc.
Graco Inc.
Nordson Corporation
RBC Bearings Incorporated
Rexnord Corporation
Taylor Devices, Inc.
The Timken Company

SIC 357

Cisco Systems, Inc.
Digi International Inc.
Electronics for Imaging, Inc.
Finisar Corporation

Fortinet, Inc.
HP Inc.
Juniper Networks, Inc.
Mitek Systems, Inc.
NetApp, Inc.
NETGEAR, Inc.
TransAct Technologies Incorporated
Western Digital Corporation
Xerox Corporation
Zebra Technologies Corporation

SIC 3577

Electronics for Imaging, Inc.
Finisar Corporation
Fortinet, Inc.
Mitek Systems, Inc.
TransAct Technologies Incorporated
Xerox Corporation
Zebra Technologies Corporation

SIC 36

A. O. Smith Corporation
Acuity Brands, Inc.
ADTRAN, Inc.
Advanced Energy Industries, Inc.
Allied Motion Technologies Inc.
Amkor Technology, Inc.
Amphenol Corporation
Analog Devices, Inc.
Apple Inc.
Applied Optoelectronics, Inc.
Arotech Corporation
Astronics Corporation
AVX Corporation
Belden Inc.
Benchmark Electronics, Inc.
BK Technologies Corporation
Broadcom Inc.
CalAmp Corp.
Ciena Corporation
Cirrus Logic, Inc.
Clearfield, Inc.
ClearOne, Inc.
CommScope Holding Company, Inc.
Comtech Telecommunications Corp.
CTS Corporation
Diodes Incorporated
EchoStar Corporation

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

EnerSys
Espey Mfg. & Electronics Corp.
First Solar, Inc.
Franklin Electric Co., Inc.
Generac Holdings Inc.
Highpower International, Inc.
Integrated Device Technology, Inc.
Intel Corporation
IPG Photonics Corporation
Jabil Inc.
KEMET Corporation
Key Tronic Corporation
Littelfuse, Inc.
LRAD Corporation
Maxim Integrated Products, Inc.
Mercury Systems, Inc.
Methode Electronics, Inc.
Microchip Technology Incorporated
Micron Technology, Inc.
Monolithic Power Systems, Inc.
Motorcar Parts of America, Inc.
Napco Security Technologies, Inc.
NVE Corporation
NVIDIA Corporation
ON Semiconductor Corporation
OneSpan Inc.
Park Electrochemical Corp.
Photronics, Inc.
Plantronics, Inc.
Plexus Corp.
Powell Industries, Inc.
Power Integrations, Inc.
Preformed Line Products Company
Qorvo, Inc.
QUALCOMM Incorporated
Regal Beloit Corporation
RF Industries, Ltd.
Sanmina Corporation
Semtech Corporation
Servotronics, Inc.
SigmaTron International, Inc.
Silicon Laboratories Inc.
Skyworks Solutions, Inc.
Socket Mobile, Inc.
Stoneridge, Inc.
Synaptics Incorporated
Texas Instruments Incorporated

Thermon Group Holdings, Inc.
TTM Technologies, Inc.
Ubiquiti Networks, Inc.
Ultra Clean Holdings, Inc.
Ultralife Corporation
Universal Display Corporation
Universal Electronics Inc.
Vicor Corporation
Vishay Intertechnology, Inc.
Vishay Precision Group, Inc.
Whirlpool Corporation
Woodward, Inc.
Xilinx, Inc.

SIC 362

Allied Motion Technologies Inc.
Franklin Electric Co., Inc.
Generac Holdings Inc.
Regal Beloit Corporation
Servotronics, Inc.
Woodward, Inc.

SIC 3621

Allied Motion Technologies Inc.
Franklin Electric Co., Inc.
Generac Holdings Inc.
Regal Beloit Corporation
Servotronics, Inc.

SIC 366

ADTRAN, Inc.
Apple Inc.
BK Technologies Corporation
CalAmp Corp.
Ciena Corporation
ClearOne, Inc.
CommScope Holding Company, Inc.
Comtech
Telecommunications Corp.
EchoStar Corporation
Napco Security Technologies, Inc.
OneSpan Inc.
Plantronics, Inc.
Socket Mobile, Inc.
Ubiquiti Networks, Inc.

SIC 3663

Apple Inc.
BK Technologies Corporation
CalAmp Corp.
ClearOne, Inc.

CommScope Holding Company, Inc.
Comtech
Telecommunications Corp.
EchoStar Corporation
Socket Mobile, Inc.
Ubiquiti Networks, Inc.

SIC 367

Advanced Energy Industries, Inc.
Amkor Technology, Inc.
Amphenol Corporation
Analog Devices, Inc.
Applied Optoelectronics, Inc.
AVX Corporation
Belden Inc.
Benchmark Electronics, Inc.
Broadcom Inc.
Cirrus Logic, Inc.
Clearfield, Inc.
CTS Corporation
Diodes Incorporated
Espey Mfg. & Electronics Corp.
First Solar, Inc.
Integrated Device Technology, Inc.
Intel Corporation
IPG Photonics Corporation
Jabil Inc.
KEMET Corporation
Key Tronic Corporation
Maxim Integrated Products, Inc.
Mercury Systems, Inc.
Methode Electronics, Inc.
Microchip Technology Incorporated
Micron Technology, Inc.
Monolithic Power Systems, Inc.
NVE Corporation
NVIDIA Corporation
ON Semiconductor Corporation
Park Electrochemical Corp.
Photronics, Inc.
Plexus Corp.
Power Integrations, Inc.
Qorvo, Inc.
QUALCOMM Incorporated
RF Industries, Ltd.
Sanmina Corporation
Semtech Corporation
SigmaTron International, Inc.

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Silicon Laboratories Inc.
Skyworks Solutions, Inc.
Stoneridge, Inc.
Synaptics Incorporated
Texas Instruments Incorporated
TTM Technologies, Inc.
Ultra Clean Holdings, Inc.
Universal Display Corporation
Vicor Corporation
Vishay Intertechnology, Inc.
Vishay Precision Group, Inc.
Xilinx, Inc.

SIC 3672

Benchmark Electronics, Inc.
Jabil Inc.
Park Electrochemical Corp.
Plexus Corp.
Sanmina Corporation
SigmaTron International, Inc.
TTM Technologies, Inc.

SIC 3674

Amkor Technology, Inc.
Analog Devices, Inc.
Applied Optoelectronics, Inc.
Broadcom Inc.
Cirrus Logic, Inc.
Diodes Incorporated
First Solar, Inc.
Integrated Device Technology, Inc.
Intel Corporation
IPG Photonics Corporation
Maxim Integrated Products, Inc.
Mercury Systems, Inc.
Microchip Technology Incorporated
Micron Technology, Inc.
Monolithic Power Systems, Inc.
NVE Corporation
NVIDIA Corporation
ON Semiconductor Corporation
Photonics, Inc.
Power Integrations, Inc.
Qorvo, Inc.
QUALCOMM Incorporated
Semtech Corporation
Silicon Laboratories Inc.
Skyworks Solutions, Inc.

Synaptics Incorporated
Texas Instruments Incorporated
Ultra Clean Holdings, Inc.
Universal Display Corporation
Vishay Precision Group, Inc.
Xilinx, Inc.

SIC 369

Arotech Corporation
EnerSys
Highpower International, Inc.
Motorcar Parts of America, Inc.
Thermon Group Holdings, Inc.
Ultralife Corporation

SIC 37

Aerojet Rocketdyne Holdings, Inc.
AeroVironment, Inc.
Allison Transmission Holdings, Inc.
American Axle & Manufacturing Holdings, Inc.
Autoliv, Inc.
BorgWarner Inc.
China Automotive Systems, Inc.
Commercial Vehicle Group, Inc.
Cooper-Standard Holdings Inc.
Dana Incorporated
Dorman Products, Inc.
Ducommun Incorporated
Federal Signal Corporation
Fox Factory Holding Corp.
General Motors Company
Gentex Corporation
Gentherm Incorporated
Harley-Davidson, Inc.
Huntington Ingalls Industries, Inc.
LCI Industries
Lockheed Martin Corporation
Malibu Boats, Inc.
Marine Products Corporation
Meritor, Inc.
Miller Industries, Inc.
Modine Manufacturing Company
PACCAR Inc
Polaris Industries Inc.

SORL Auto Parts, Inc.
Spartan Motors, Inc.
Spirit AeroSystems Holdings, Inc.
Strattec Security Corporation
Tenneco Inc.
Textron Inc.
The Boeing Company
The Greenbrier Companies, Inc.
Thor Industries, Inc.
Tower International, Inc.
Visteon Corporation
Wabash National Corporation
WABCO Holdings Inc.
Wabtec Corporation
Winnebago Industries, Inc.

SIC 371

Allison Transmission Holdings, Inc.
American Axle & Manufacturing Holdings, Inc.
Autoliv, Inc.
BorgWarner Inc.
China Automotive Systems, Inc.
Commercial Vehicle Group, Inc.
Cooper-Standard Holdings Inc.
Dana Incorporated
Dorman Products, Inc.
Federal Signal Corporation
General Motors Company
Gentex Corporation
Gentherm Incorporated
LCI Industries
Meritor, Inc.
Miller Industries, Inc.
Modine Manufacturing Company
PACCAR Inc
SORL Auto Parts, Inc.
Spartan Motors, Inc.
Strattec Security Corporation
Tenneco Inc.
Tower International, Inc.
Visteon Corporation
Wabash National Corporation
WABCO Holdings Inc.

SIC 3711

Federal Signal Corporation

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

General Motors Company
LCI Industries
PACCAR Inc
Spartan Motors, Inc.
Tower International, Inc.

Electro-Sensors, Inc.
FARO Technologies, Inc.
FLIR Systems, Inc.
FormFactor, Inc.
Fossil Group, Inc.
Globus Medical, Inc.
Haemonetics Corporation

Varian Medical Systems, Inc.
Waters Corporation
Zimmer Biomet Holdings, Inc.

SIC 3714

Allison Transmission Holdings, Inc.
American Axle & Manufacturing Holdings, Inc.
Autoliv, Inc.
BorgWarner Inc.
China Automotive Systems, Inc.
Commercial Vehicle Group, Inc.
Cooper-Standard Holdings Inc.
Dana Incorporated
Dorman Products, Inc.
Gentex Corporation
Gentherm Incorporated
Meritor, Inc.
Modine Manufacturing Company
SORL Auto Parts, Inc.
Strattec Security Corporation
Tenneco Inc.
Visteon Corporation
WABCO Holdings Inc.

Harris Corporation
Hologic, Inc.
Hurco Companies, Inc.
ICU Medical, Inc.
II-VI Incorporated
Illumina, Inc.
Inogen, Inc.
Integer Holdings Corporation
Integra LifeSciences Holdings Corporation
inTEST Corporation
Intuitive Surgical, Inc.
Kewaunee Scientific Corporation
KLA-Tencor Corporation
Lakeland Industries, Inc.
LeMaitre Vascular, Inc.
LightPath Technologies, Inc.
Masimo Corporation
Merit Medical Systems, Inc.
Mesa Laboratories, Inc.
Mettler-Toledo International Inc.
Movado Group, Inc.
MSA Safety Incorporated
MTS Systems Corporation
Nanometrics Incorporated
Natus Medical Incorporated
NuVasive, Inc.
Orthofix Medical Inc.
OSI Systems, Inc.
PerkinElmer, Inc.
Pro-Dex, Inc.
ResMed Inc.
Roper Technologies, Inc.
Rudolph Technologies, Inc.
Stryker Corporation
Teledyne Technologies Incorporated
Teleflex Incorporated
Teradyne, Inc.
The Cooper Companies, Inc.
Thermo Fisher Scientific Inc.
Trimble Inc.
Utah Medical Products, Inc.

SIC 382

Badger Meter, Inc.
Bio-Rad Laboratories, Inc.
Bruker Corporation
Cognex Corporation
Coherent, Inc.
Cohu, Inc.
Control4 Corporation
Data I/O Corporation
Dynasil Corporation of America
Electro-Sensors, Inc.
FARO Technologies, Inc.
FormFactor, Inc.
Hurco Companies, Inc.
II-VI Incorporated
Illumina, Inc.
inTEST Corporation
Kewaunee Scientific Corporation
KLA-Tencor Corporation
LightPath Technologies, Inc.
Mettler-Toledo International Inc.
MTS Systems Corporation
Nanometrics Incorporated
Rudolph Technologies, Inc.
Teradyne, Inc.
Thermo Fisher Scientific Inc.
Trimble Inc.
Waters Corporation

SIC 38

ABIOMED, Inc.
Align Technology, Inc.
Atrion Corporation
Badger Meter, Inc.
Becton, Dickinson and Company
Bio-Rad Laboratories, Inc.
Boston Scientific Corporation
Bruker Corporation
Cantel Medical Corp.
Coda Octopus Group, Inc.
Cognex Corporation
Coherent, Inc.
Cohu, Inc.
CONMED Corporation
Control4 Corporation
Danaher Corporation
Data I/O Corporation
Dynasil Corporation of America
Eddie Stobart Logistics plc
Edwards Lifesciences Corporation
Electromed, Inc.

SIC 3825

Cohu, Inc.
Data I/O Corporation
FormFactor, Inc.
inTEST Corporation
Teradyne, Inc.

SIC 3826

Bio-Rad Laboratories, Inc.
Bruker Corporation
Coherent, Inc.
Illumina, Inc.
Mettler-Toledo International Inc.
Thermo Fisher Scientific Inc.
Waters Corporation

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

SIC 384

ABIOMED, Inc.
Align Technology, Inc.
Atrion Corporation
Becton, Dickinson and Company
Boston Scientific Corporation
Cantel Medical Corp.
CONMED Corporation
Edwards Lifesciences Corporation
Electromed, Inc.
Globus Medical, Inc.
Haemonetics Corporation
Hologic, Inc.
ICU Medical, Inc.
Inogen, Inc.
Integer Holdings Corporation
Integra LifeSciences Holdings Corporation
Intuitive Surgical, Inc.
Lakeland Industries, Inc.
LeMaitre Vascular, Inc.
Masimo Corporation
Merit Medical Systems, Inc.
MSA Safety Incorporated
Natus Medical Incorporated
NuVasive, Inc.
Orthofix Medical Inc.
OSI Systems, Inc.
Pro-Dex, Inc.
ResMed Inc.
Stryker Corporation
Teleflex Incorporated
Utah Medical Products, Inc.
Varian Medical Systems, Inc.
Zimmer Biomet Holdings, Inc.

SIC 3841

ABIOMED, Inc.
Atrion Corporation
Becton, Dickinson and Company
Globus Medical, Inc.
Haemonetics Corporation
ICU Medical, Inc.
LeMaitre Vascular, Inc.
Merit Medical Systems, Inc.
NuVasive, Inc.
Pro-Dex, Inc.
Teleflex Incorporated

SIC 3842

Edwards Lifesciences Corporation
Integra LifeSciences Holdings Corporation
Lakeland Industries, Inc.
MSA Safety Incorporated
Zimmer Biomet Holdings, Inc.

SIC 3845

CONMED Corporation
Electromed, Inc.
Inogen, Inc.
Integer Holdings Corporation
Intuitive Surgical, Inc.
Masimo Corporation
Natus Medical Incorporated
ResMed Inc.
Utah Medical Products, Inc.
Varian Medical Systems, Inc.

SIC 39

Brady Corporation
Callaway Golf Company
Daktronics, Inc.
Escalade, Incorporated
Gaming Partners International Corporation
Hasbro, Inc.
iRobot Corporation
Nautilus, Inc.

SIC 4

Air Transport Services Group, Inc.
Alaska Air Group, Inc.
Alaska Communications Systems Group, Inc.
Allegiant Travel Company
ALLETE, Inc.
Alliant Energy Corporation
AMC Networks Inc.
Ameren Corporation
American Airlines Group Inc.
American Electric Power Company, Inc.
American States Water Company
American Water Works Company, Inc.
Appliance Recycling Centers of America, Inc.
Aqua America, Inc.
ArcBest Corporation
Artesian Resources Corporation

AT&T Inc.

Atlas Air Worldwide Holdings, Inc.
Atmos Energy Corporation
ATN International, Inc.
Avista Corporation
Beasley Broadcast Group, Inc.
Black Hills Corporation
Buckeye Partners, L.P.
C.H. Robinson Worldwide, Inc.
California Water Service Group
CBS Corporation
CenterPoint Energy, Inc.
CenturyLink, Inc.
Charter Communications, Inc.
Chesapeake Utilities Corporation
Clearway Energy, Inc.
CMS Energy Corporation
Cogent Communications Holdings, Inc.
Connecticut Water Service, Inc.
Consolidated Communications Holdings, Inc.
Consolidated Edison, Inc.
Covanta Holding Corporation
Covenant Transportation Group, Inc.
CSX Corporation
Delta Air Lines, Inc.
Discovery, Inc.
DISH Network Corporation
Dominion Energy, Inc.
DTE Energy Company
Duke Energy Corporation
Echo Global Logistics, Inc.
Edison International
El Paso Electric Company
Emmis Communications Corporation
Enable Midstream Partners, LP
Entercom Communications Corp.
Entergy Corporation
Entravision Communications Corporation
EQM Midstream Partners, LP
Era Group Inc.
Eversource Energy

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Exelon Corporation
 Expedia Group, Inc.
 Expeditors International of Washington, Inc.
 FedEx Corporation
 Forward Air Corporation
 GATX Corporation
 Genesee & Wyoming Inc.
 Gray Television, Inc.
 Hawaiian Electric Industries, Inc.
 Hawaiian Holdings, Inc.
 Heartland Express, Inc.
 Hemisphere Media Group, Inc.
 Heritage-Crystal Clean, Inc.
 Holly Energy Partners, L.P.
 Hub Group, Inc.
 Hudson Technologies Inc.
 IDACORP, Inc.
 IDT Corporation
 Iridium Communications Inc.
 J.B. Hunt Transport Services, Inc.
 JetBlue Airways Corporation
 Kansas City Southern
 Kinder Morgan, Inc.
 Knight-Swift Transportation Holdings Inc.
 Landstar System, Inc.
 Macquarie Infrastructure Corporation
 Magellan Midstream Partners, L.P.
 Marten Transport, Ltd.
 Matson, Inc.
 MGE Energy, Inc.
 Middlesex Water Company
 MPLX LP
 MSG Networks Inc.
 New Jersey Resources Corporation
 Nexstar Media Group, Inc.
 NextEra Energy, Inc.
 NiSource Inc.
 Norfolk Southern Corporation
 Northwest Natural Holding Company
 NorthWestern Corporation
 OGE Energy Corp.
 Old Dominion Freight Line, Inc.
 ONE Gas, Inc.
 ONEOK, Inc.

Ormat Technologies, Inc.
 Otelco Inc.
 P.A.M. Transportation Services, Inc.
 Pattern Energy Group Inc.
 Phillips 66 Partners LP
 Pinnacle West Capital Corporation
 PNM Resources, Inc.
 Portland General Electric Company
 PPL Corporation
 Public Service Enterprise Group Incorporated
 Radiant Logistics, Inc.
 Republic Services, Inc.
 RGC Resources, Inc.
 Saga Communications, Inc.
 Saia, Inc.
 Sempra Energy
 Sharps Compliance Corp.
 Shenandoah Telecommunications Company
 Sinclair Broadcast Group, Inc.
 Sino-Global Shipping America, Ltd.
 Sirius XM Holdings Inc.
 SJW Group
 SkyWest, Inc.
 Southwest Airlines Co.
 Spire Inc.
 Spirit Airlines, Inc.
 Spok Holdings, Inc.
 Stericycle, Inc.
 TEGNA Inc.
 Telephone and Data Systems, Inc.
 The AES Corporation
 The E.W. Scripps Company
 The Liberty SiriusXM Group
 The Providence Service Corporation
 The Southern Company
 The Williams Companies, Inc.
 The York Water Company
 T-Mobile US, Inc.
 Tribune Media Company
 Twenty-First Century Fox, Inc.
 UGI Corporation
 Union Pacific Corporation
 United Continental Holdings, Inc.
 United Parcel Service, Inc.
 United States Cellular Corporation

Unitil Corporation
 Universal Logistics Holdings, Inc.
 US Ecology, Inc.
 USA Truck, Inc.
 Verizon Communications Inc.
 Viacom Inc.
 Vonage Holdings Corp.
 Waste Management, Inc.
 WEC Energy Group, Inc.
 Werner Enterprises, Inc.
 Western Midstream Partners, LP
 Xcel Energy Inc.
 XPO Logistics, Inc.

SIC 40

CSX Corporation
 Genesee & Wyoming Inc.
 Kansas City Southern
 Norfolk Southern Corporation
 Union Pacific Corporation

SIC 42

ArcBest Corporation
 Covenant Transportation Group, Inc.
 Forward Air Corporation
 Heartland Express, Inc.
 J.B. Hunt Transport Services, Inc.
 Knight-Swift Transportation Holdings Inc.
 Landstar System, Inc.
 Marten Transport, Ltd.
 Old Dominion Freight Line, Inc.
 P.A.M. Transportation Services, Inc.
 Saia, Inc.
 United Parcel Service, Inc.
 USA Truck, Inc.
 Werner Enterprises, Inc.

SIC 4213

ArcBest Corporation
 Covenant Transportation Group, Inc.
 Heartland Express, Inc.
 J.B. Hunt Transport Services, Inc.
 Knight-Swift Transportation Holdings Inc.
 Landstar System, Inc.
 Marten Transport, Ltd.
 Old Dominion Freight Line, Inc.

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

P.A.M. Transportation Services, Inc.
Saia, Inc.
USA Truck, Inc.
Werner Enterprises, Inc.

Radiant Logistics, Inc.
Sino-Global Shipping America, Ltd.
XPO Logistics, Inc.

Telephone and Data Systems, Inc.
The E.W. Scripps Company
The Liberty SiriusXM Group
T-Mobile US, Inc.
Tribune Media Company
Twenty-First Century Fox, Inc.
United States Cellular Corporation
Verizon Communications Inc.
Viacom Inc.
Vonage Holdings Corp.

SIC 45

Air Transport Services Group, Inc.
Alaska Air Group, Inc.
Allegiant Travel Company
American Airlines Group Inc.
Atlas Air Worldwide Holdings, Inc.
Delta Air Lines, Inc.
Era Group Inc.
Hawaiian Holdings, Inc.
JetBlue Airways Corporation
Macquarie Infrastructure Corporation
SkyWest, Inc.
Southwest Airlines Co.
Spirit Airlines, Inc.
United Continental Holdings, Inc.

SIC 451

Air Transport Services Group, Inc.
Alaska Air Group, Inc.
Allegiant Travel Company
American Airlines Group Inc.
Delta Air Lines, Inc.
Hawaiian Holdings, Inc.
JetBlue Airways Corporation
SkyWest, Inc.
Southwest Airlines Co.
Spirit Airlines, Inc.
United Continental Holdings, Inc.

SIC 46

Buckeye Partners, L.P.
Holly Energy Partners, L.P.
Magellan Midstream Partners, L.P.
MPLX LP
Phillips 66 Partners LP

SIC 47

Echo Global Logistics, Inc.
Expedia Group, Inc.
Expeditors International of Washington, Inc.
GATX Corporation
Hub Group, Inc.

SIC 473

Echo Global Logistics, Inc.
Expeditors International of Washington, Inc.
Hub Group, Inc.
Radiant Logistics, Inc.
Sino-Global Shipping America, Ltd.
XPO Logistics, Inc.

SIC 48

Alaska Communications Systems Group, Inc.
AMC Networks Inc.
AT&T Inc.
ATN International, Inc.
Beasley Broadcast Group, Inc.
CBS Corporation
CenturyLink, Inc.
Charter Communications, Inc.
Cogent Communications Holdings, Inc.
Consolidated Communications Holdings, Inc.
Discovery, Inc.
DISH Network Corporation
Emmis Communications Corporation
Entercom Communications Corp.

Entravision Communications Corporation
Gray Television, Inc.
Hemisphere Media Group, Inc.
IDT Corporation
Iridium Communications Inc.
MSG Networks Inc.
Nexstar Media Group, Inc.
Otelco Inc.
Saga Communications, Inc.

Shenandoah Telecommunications Company
Sinclair Broadcast Group, Inc.
Sirius XM Holdings Inc.
Spok Holdings, Inc.
TEGNA Inc.

SIC 481

Alaska Communications Systems Group, Inc.
AT&T Inc.
ATN International, Inc.
CenturyLink, Inc.
Cogent Communications Holdings, Inc.
Consolidated Communications Holdings, Inc.
IDT Corporation
Otelco Inc.
Shenandoah Telecommunications Company
Spok Holdings, Inc.
Telephone and Data Systems, Inc.
T-Mobile US, Inc.
United States Cellular Corporation
Verizon Communications Inc.

SIC 4812

AT&T Inc.
Spok Holdings, Inc.
Telephone and Data Systems, Inc.
T-Mobile US, Inc.
United States Cellular Corporation
Verizon Communications Inc.

SIC 4813

Alaska Communications Systems Group, Inc.
CenturyLink, Inc.
Cogent Communications Holdings, Inc.
Consolidated Communications Holdings, Inc.

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

IDT Corporation
Otelco Inc.

SIC 483

AMC Networks Inc.
Beasley Broadcast Group, Inc.
Emmis Communications Corporation
Entercom Communications Corp.
Entravision Communications Corporation
Gray Television, Inc.
Hemisphere Media Group, Inc.
Nexstar Media Group, Inc.
Saga Communications, Inc.
Sinclair Broadcast Group, Inc.
Sirius XM Holdings Inc.
TEGNA Inc.
The E.W. Scripps Company
The Liberty SiriusXM Group
Tribune Media Company
Viacom Inc.

SIC 4832

Beasley Broadcast Group, Inc.
Emmis Communications Corporation
Entercom Communications Corp.
Saga Communications, Inc.
Sirius XM Holdings Inc.
The Liberty SiriusXM Group

SIC 4833

AMC Networks Inc.
Entravision Communications Corporation
Gray Television, Inc.
Hemisphere Media Group, Inc.
Nexstar Media Group, Inc.
Sinclair Broadcast Group, Inc.
TEGNA Inc.
The E.W. Scripps Company
Tribune Media Company
Viacom Inc.

SIC 49

ALLETE, Inc.

Alliant Energy Corporation
Ameren Corporation
American Electric Power Company, Inc.
American States Water Company
American Water Works Company, Inc.
Appliance Recycling Centers of America, Inc.
Aqua America, Inc.
Artesian Resources Corporation
Atmos Energy Corporation
Avista Corporation
Black Hills Corporation
California Water Service Group
CenterPoint Energy, Inc.
Chesapeake Utilities Corporation
Clearway Energy, Inc.
CMS Energy Corporation
Connecticut Water Service, Inc.
Consolidated Edison, Inc.
Covanta Holding Corporation
Dominion Energy, Inc.
DTE Energy Company
Duke Energy Corporation
Edison International
El Paso Electric Company
Enable Midstream Partners, LP
Entergy Corporation
EQM Midstream Partners, LP
Evergy, Inc.
Eversource Energy
Exelon Corporation
Hawaiian Electric Industries, Inc.
Heritage-Crystal Clean, Inc.
Hudson Technologies Inc.
IDACORP, Inc.
Kinder Morgan, Inc.
MGE Energy, Inc.
Middlesex Water Company
New Jersey Resources Corporation
NextEra Energy, Inc.
NiSource Inc.
Northwest Natural Holding Company
NorthWestern Corporation
OGE Energy Corp.
ONE Gas, Inc.

ONEOK, Inc.
Ormat Technologies, Inc.
Pattern Energy Group Inc.
Pinnacle West Capital Corporation
PNM Resources, Inc.
Portland General Electric Company
PPL Corporation
Public Service Enterprise Group Incorporated
Republic Services, Inc.
RGC Resources, Inc.
Sempra Energy
Sharps Compliance Corp.
SJW Group
Spire Inc.
Stericycle, Inc.
The AES Corporation
The Southern Company
The Williams Companies, Inc.
The York Water Company
Unitil Corporation
US Ecology, Inc.
Waste Management, Inc.
WEC Energy Group, Inc.
Western Midstream Partners, LP
Xcel Energy Inc.

SIC 491

Clearway Energy, Inc.
Edison International
El Paso Electric Company
Entergy Corporation
Exelon Corporation
Hawaiian Electric Industries, Inc.
IDACORP, Inc.
NextEra Energy, Inc.
Ormat Technologies, Inc.
Pinnacle West Capital Corporation
PNM Resources, Inc.
Portland General Electric Company
PPL Corporation
The Southern Company

SIC 492

Atmos Energy Corporation
Chesapeake Utilities Corporation
Enable Midstream Partners, LP
EQM Midstream Partners, LP
Kinder Morgan, Inc.

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

New Jersey Resources Corporation
Northwest Natural Holding Company
ONE Gas, Inc.
ONEOK, Inc.
RGC Resources, Inc.
Spire Inc.
The Williams Companies, Inc.
Western Midstream Partners, LP

SIC 4924

Atmos Energy Corporation
New Jersey Resources Corporation
Northwest Natural Holding Company
ONE Gas, Inc.
RGC Resources, Inc.
Spire Inc.

SIC 493

Alliant Energy Corporation
Ameren Corporation
Avista Corporation
DTE Energy Company
Duke Energy Corporation
Eversource Energy
Evergy, Inc.
Eversource Energy
NorthWestern Corporation
OGE Energy Corp.
Public Service Enterprise Group Incorporated
WEC Energy Group, Inc.
Xcel Energy Inc.

SIC 494

American States Water Company
American Water Works Company, Inc.
Aqua America, Inc.
Artesian Resources Corporation
California Water Service Group
Connecticut Water Service, Inc.
Middlesex Water Company
SJW Group
The York Water Company

SIC 495

Appliance Recycling Centers of America, Inc.
Covanta Holding Corporation

Heritage-Crystal Clean, Inc.
Hudson Technologies Inc.
Republic Services, Inc.
Sharps Compliance Corp.
Stericycle, Inc.
US Ecology, Inc.
Waste Management, Inc.

SIC 5

1-800-FLOWERS.COM, Inc.
AAR Corp.
Adams Resources & Energy, Inc.
Advance Auto Parts, Inc.
Amazon.com, Inc.
AMCON Distributing Company
American Eagle Outfitters, Inc.
AmeriGas Partners, L.P.
AmerisourceBergen Corporation
Anixter International Inc.
Applied Industrial Technologies, Inc.
Aramark
Ark Restaurants Corp.
Arrow Electronics, Inc.
Asbury Automotive Group, Inc.
AutoNation, Inc.
Avnet, Inc.
Beacon Roofing Supply, Inc.
Bed Bath & Beyond Inc.
Best Buy Co., Inc.
Big 5 Sporting Goods Corporation
Big Lots, Inc.
BJ's Restaurants, Inc.
Bloomin' Brands, Inc.
BlueLinx Holdings Inc.
Boise Cascade Company
Brinker International, Inc.
Build-A-Bear Workshop, Inc.
Bumrungrad Hospital Public Company Limited
Burlington Stores, Inc.
Cardinal Health, Inc.
CarMax, Inc.
Casey's General Stores, Inc.
CDW Corporation
Central Garden & Pet Company
Cheniere Energy Partners, L.P.
Chico's FAS, Inc.
Chipotle Mexican Grill,

Inc.
Chuy's Holdings, Inc.
Citi Trends, Inc.
Coffee Holding Co., Inc.
Conn's, Inc.
Copart, Inc.
Core-Mark Holding Company, Inc.
Costco Wholesale Corporation
Cracker Barrel Old Country Store, Inc.
CrossAmerica Partners LP
CVS Health Corporation
Darden Restaurants, Inc.
Del Frisco's Restaurant Group, Inc.
Delek Logistics Partners, LP
Denny's Corporation
Dick's Sporting Goods, Inc.
Dillard's, Inc.
Dollar General Corporation
Dollar Tree, Inc.
Dunkin' Brands Group, Inc.
Educational Development Corporation
ePlus inc.
EVI Industries, Inc.
Express, Inc.
EZCORP, Inc.
Fastenal Company
Fiesta Restaurant Group, Inc.
FirstCash, Inc.
Five Below, Inc.
Flanigan's Enterprises, Inc.
Foot Locker, Inc.
Francesca's Holdings Corporation
GameStop Corp.
Genesis Energy, L.P.
Genuine Parts Company
Global Partners LP
Group 1 Automotive, Inc.
H&E Equipment Services, Inc.
Haverty Furniture Companies, Inc.
HD Supply Holdings, Inc.
Henry Schein, Inc.
Hibbett Sports, Inc.
Houston Wire & Cable Company
Huttig Building Products, Inc.
Ingles Markets, Incorporated

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Insight Enterprises, Inc.
 Jack in the Box Inc.
 Kohl's Corporation
 L Brands, Inc.
 Lawson Products, Inc.
 Lithia Motors, Inc.
 LKQ Corporation
 Lowe's Companies, Inc.
 Macy's, Inc.
 MarineMax, Inc.
 Martin Midstream
 Partners L.P.
 McDonald's Corporation
 McKesson Corporation
 MSC Industrial Direct Co.,
 Inc.
 Murphy USA Inc.
 Natural Grocers by
 Vitamin Cottage, Inc.
 Natural Health Trends
 Corp.
 Nordstrom, Inc.
 Nutrisystem, Inc.
 Office Depot, Inc.
 Olympic Steel, Inc.
 O'Reilly Automotive, Inc.
 Park-Ohio Holdings Corp.
 Patterson Companies,
 Inc.
 PC Connection, Inc.
 PCM, Inc.
 Penske Automotive
 Group, Inc.
 PetMed Express, Inc.
 Pier 1 Imports, Inc.
 Plains All American
 Pipeline, L.P.
 Pool Corporation
 Potbelly Corporation
 Prestige Consumer
 Healthcare Inc.
 PriceSmart, Inc.
 Qurate Retail Inc.
 RCI Hospitality Holdings,
 Inc.
 Red Robin Gourmet
 Burgers, Inc.
 Reliance Steel &
 Aluminum Co.
 RH
 Ross Stores, Inc.
 Rush Enterprises, Inc.
 Ruth's Hospitality Group,
 Inc.
 ScanSource, Inc.
 Shoe Carnival, Inc.
 Sonic Automotive, Inc.
 SpartanNash Company
 Sportsman's Warehouse
 Holdings, Inc.
 Sprague Resources LP

Sprouts Farmers Market,
 Inc.
 Star Group, L.P.
 Starbucks Corporation
 Stein Mart, Inc.
 Suburban Propane
 Partners, L.P.
 Sunoco LP
 SYNnex Corporation
 Sysco Corporation
 Tandy Leather Factory,
 Inc.
 Target Corporation
 TESCO Technologies
 Incorporated
 Texas Roadhouse, Inc.
 The Cato Corporation
 The Cheesecake Factory
 Incorporated
 The Chefs' Warehouse,
 Inc.
 The Children's Place, Inc.
 The Container Store
 Group, Inc.
 The Gap, Inc.
 The Home Depot, Inc.
 The Kroger Co.
 The TJX Companies, Inc.
 The Wendy's Company
 Tiffany & Co.
 Tile Shop Holdings, Inc.
 Tilly's, Inc.
 Tractor Supply Company
 TravelCenters of America
 LLC
 Ulta Beauty, Inc.
 United Natural Foods, Inc.
 Universal Corporation
 Village Super Market, Inc.
 W.W. Grainger, Inc.
 Walgreens Boots Alliance,
 Inc.
 Walmart Inc.
 Watsco, Inc.
 Wayside Technology
 Group, Inc.
 Weis Markets, Inc.
 WESCO International, Inc.
 Weyco Group, Inc.
 Williams-Sonoma, Inc.
 World Fuel Services
 Corporation
 YUM! Brands, Inc.
 Zumiez Inc.

SIC 50

AAR Corp.
 Anixter International Inc.
 Applied Industrial
 Technologies, Inc.
 Arrow Electronics, Inc.
 Avnet, Inc.

Beacon Roofing Supply,
 Inc.
 BlueLinx Holdings Inc.
 Boise Cascade Company
 CDW Corporation
 Copart, Inc.
 ePlus inc.
 EVI Industries, Inc.
 Fastenal Company
 Genuine Parts Company
 H&E Equipment Services,
 Inc.
 HD Supply Holdings, Inc.
 Henry Schein, Inc.
 Houston Wire & Cable
 Company
 Huttig Building Products,
 Inc.
 Insight Enterprises, Inc.
 Lawson Products, Inc.
 LKQ Corporation
 MSC Industrial Direct Co.,
 Inc.
 Olympic Steel, Inc.
 Park-Ohio Holdings Corp.
 Patterson Companies,
 Inc.
 Pool Corporation
 Reliance Steel &
 Aluminum Co.
 ScanSource, Inc.
 SYNnex Corporation
 TESCO Technologies
 Incorporated
 W.W. Grainger, Inc.
 Watsco, Inc.
 Wayside Technology
 Group, Inc.
 WESCO International, Inc.

SIC 504

CDW Corporation
 ePlus inc.
 Henry Schein, Inc.
 Insight Enterprises, Inc.
 Patterson Companies,
 Inc.
 SYNnex Corporation
 Wayside Technology
 Group, Inc.

SIC 5045

CDW Corporation
 ePlus inc.
 Insight Enterprises, Inc.
 SYNnex Corporation
 Wayside Technology
 Group, Inc.

SIC 506

Anixter International Inc.
 Avnet, Inc.

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Houston Wire & Cable Company
TESSCO Technologies Incorporated
WESCO International, Inc.

SIC 508

AAR Corp.
Applied Industrial Technologies, Inc.
EVI Industries, Inc.
H&E Equipment Services, Inc.
MSC Industrial Direct Co., Inc.

SIC 51

Adams Resources & Energy, Inc.
AMCON Distributing Company
AmerisourceBergen Corporation
Cardinal Health, Inc.
Central Garden & Pet Company
Cheniere Energy Partners, L.P.
Coffee Holding Co., Inc.
Core-Mark Holding Company, Inc.
CrossAmerica Partners LP
Delek Logistics Partners, LP
Educational Development Corporation
Genesis Energy, L.P.
Global Partners LP
Martin Midstream Partners L.P.
McKesson Corporation
Natural Health Trends Corp.
Plains All American Pipeline, L.P.
Prestige Consumer Healthcare Inc.
SpartanNash Company
Sprague Resources LP
Sunoco LP
Sysco Corporation
The Chefs' Warehouse, Inc.
United Natural Foods, Inc.
Universal Corporation
Weyco Group, Inc.
World Fuel Services Corporation

SIC 512

AmerisourceBergen Corporation
Cardinal Health, Inc.
McKesson Corporation
Natural Health Trends Corp.
Prestige Consumer Healthcare Inc.

SIC 514

Coffee Holding Co., Inc.
SpartanNash Company
Sysco Corporation
The Chefs' Warehouse, Inc.
United Natural Foods, Inc.

SIC 517

Adams Resources & Energy, Inc.
Cheniere Energy Partners, L.P.
CrossAmerica Partners LP
Delek Logistics Partners, LP
Genesis Energy, L.P.
Global Partners LP
Martin Midstream Partners L.P.
Plains All American Pipeline, L.P.
Sprague Resources LP
Sunoco LP
World Fuel Services Corporation

SIC 5172

Adams Resources & Energy, Inc.
CrossAmerica Partners LP
Genesis Energy, L.P.
Sunoco LP
World Fuel Services Corporation

SIC 53

Big Lots, Inc.
Costco Wholesale Corporation
Dillard's, Inc.
Dollar General Corporation
Dollar Tree, Inc.
Five Below, Inc.
Kohl's Corporation
Macy's, Inc.
PriceSmart, Inc.
Target Corporation
Walmart Inc.

SIC 533

Big Lots, Inc.
Dollar General Corporation
Dollar Tree, Inc.
Five Below, Inc.
PriceSmart, Inc.
Target Corporation
Walmart Inc.

SIC 54

Casey's General Stores, Inc.
Ingles Markets, Incorporated
Natural Grocers by Vitamin Cottage, Inc.
Sprouts Farmers Market, Inc.
The Kroger Co.
Village Super Market, Inc.
Weis Markets, Inc.

SIC 541

Casey's General Stores, Inc.
Ingles Markets, Incorporated
Sprouts Farmers Market, Inc.
The Kroger Co.
Village Super Market, Inc.
Weis Markets, Inc.

SIC 5411

Ingles Markets, Incorporated
Sprouts Farmers Market, Inc.
The Kroger Co.
Village Super Market, Inc.
Weis Markets, Inc.

SIC 55

Advance Auto Parts, Inc.
Asbury Automotive Group, Inc.
AutoNation, Inc.
CarMax, Inc.
Group 1 Automotive, Inc.
Lithia Motors, Inc.
MarineMax, Inc.
Murphy USA Inc.
O'Reilly Automotive, Inc.
Penske Automotive Group, Inc.
Rush Enterprises, Inc.
Sonic Automotive, Inc.
TravelCenters of America LLC

SIC 56

American Eagle Outfitters, Inc.
Burlington Stores, Inc.
Chico's FAS, Inc.
Citi Trends, Inc.
Express, Inc.
Foot Locker, Inc.
Francesca's Holdings Corporation
Nordstrom, Inc.
Ross Stores, Inc.
Shoe Carnival, Inc.
Stein Mart, Inc.
The Cato Corporation
The Children's Place, Inc.
The Gap, Inc.
The TJX Companies, Inc.
Tilly's, Inc.
Zumiez Inc.

SIC 565

Citi Trends, Inc.
Nordstrom, Inc.
Ross Stores, Inc.
Stein Mart, Inc.
The Gap, Inc.
The TJX Companies, Inc.
Zumiez Inc.

SIC 57

Bed Bath & Beyond Inc.
Best Buy Co., Inc.
Conn's, Inc.
GameStop Corp.
Haverty Furniture Companies, Inc.
Pier 1 Imports, Inc.
RH
The Container Store Group, Inc.
Tile Shop Holdings, Inc.

SIC 58

Aramark
Ark Restaurants Corp.
BJ's Restaurants, Inc.
Bloomin' Brands, Inc.
Brinker International, Inc.
Bumrungrad Hospital Public Company Limited
Chipotle Mexican Grill, Inc.
Chuy's Holdings, Inc.
Cracker Barrel Old Country Store, Inc.
Darden Restaurants, Inc.
Del Frisco's Restaurant Group, Inc.
Denny's Corporation

Dunkin' Brands Group, Inc.
Fiesta Restaurant Group, Inc.
Flanigan's Enterprises, Inc.
Jack in the Box Inc.
McDonald's Corporation
Potbelly Corporation
RCI Hospitality Holdings, Inc.
Red Robin Gourmet Burgers, Inc.
Ruth's Hospitality Group, Inc.
Starbucks Corporation
Texas Roadhouse, Inc.
The Cheesecake Factory Incorporated
The Wendy's Company
YUM! Brands, Inc.

SIC 5812

Aramark
Ark Restaurants Corp.
BJ's Restaurants, Inc.
Bloomin' Brands, Inc.
Brinker International, Inc.
Bumrungrad Hospital Public Company Limited
Chipotle Mexican Grill, Inc.
Chuy's Holdings, Inc.
Cracker Barrel Old Country Store, Inc.
Darden Restaurants, Inc.
Del Frisco's Restaurant Group, Inc.
Denny's Corporation
Dunkin' Brands Group, Inc.
Fiesta Restaurant Group, Inc.
Flanigan's Enterprises, Inc.
Jack in the Box Inc.
McDonald's Corporation
Potbelly Corporation
Red Robin Gourmet Burgers, Inc.
Ruth's Hospitality Group, Inc.
Starbucks Corporation
Texas Roadhouse, Inc.
The Cheesecake Factory Incorporated
The Wendy's Company
YUM! Brands, Inc.

SIC 59

1-800-FLOWERS.COM, Inc.
Amazon.com, Inc.

AmeriGas Partners, L.P.
Big 5 Sporting Goods Corporation
Build-A-Bear Workshop, Inc.
CVS Health Corporation
Dick's Sporting Goods, Inc.
EZCORP, Inc.
FirstCash, Inc.
Hibbett Sports, Inc.
Nutrisystem, Inc.
PC Connection, Inc.
PCM, Inc.
PetMed Express, Inc.
Qurate Retail Inc.
Sportsman's Warehouse Holdings, Inc.
Star Group, L.P.
Suburban Propane Partners, L.P.
Tandy Leather Factory, Inc.
Tiffany & Co.
Ulta Beauty, Inc.
Walgreens Boots Alliance, Inc.
Williams-Sonoma, Inc.

SIC 594

Big 5 Sporting Goods Corporation
Build-A-Bear Workshop, Inc.
Dick's Sporting Goods, Inc.
Hibbett Sports, Inc.
Sportsman's Warehouse Holdings, Inc.
Tiffany & Co.

SIC 596

1-800-FLOWERS.COM, Inc.
Amazon.com, Inc.
Nutrisystem, Inc.
PC Connection, Inc.
PCM, Inc.
Qurate Retail Inc.
Williams-Sonoma, Inc.

SIC 6

1347 Property Insurance Holdings, Inc.
1st Constitution Bancorp
1st Source Corporation
Acadia Realty Trust
ACNB Corporation
Affiliated Managers Group, Inc.
Aflac Incorporated
Agree Realty Corporation

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

AirXpanders, Inc.	Associated Banc-Corp	Brixmor Property Group Inc.
Alexander's, Inc.	Assurant, Inc.	Broadway Financial Corporation
Alexandria Real Estate Equities, Inc.	Atlantic American Corporation	Brookline Bancorp, Inc.
Alleghany Corporation	Auburn National Bancorporation, Inc.	Brown & Brown, Inc.
AllianceBernstein Holding L.P.	AvalonBay Communities, Inc.	BRT Apartments Corp.
Ally Financial Inc.	Axos Financial, Inc.	Bryn Mawr Bank Corporation
Altisource Asset Management Corporation	Banc of California, Inc.	BSB Bancorp, Inc.
America First Multifamily Investors, L.P.	BancFirst Corporation	C&F Financial Corporation
American Assets Trust, Inc.	Bancorp Of New Jersey, Inc.	Cambridge Bancorp
American Campus Communities, Inc.	BancorpSouth Bank	Camden National Corporation
American Equity Investment Life Holding Company	Bank First National Corporation	Camden Property Trust
American Financial Group, Inc.	Bank of America Corporation	Capital City Bank Group, Inc.
American International Group, Inc.	Bank of Commerce Holdings	Capital One Financial Corporation
American National Bankshares Inc.	Bank of Hawaii Corporation	Capital Southwest Corporation
American National Insurance Company	Bank of Marin Bancorp	Capitala Finance Corp.
American River Bankshares	Bank of South Carolina Corporation	Capitol Federal Financial, Inc.
American Tower Corporation (REIT)	Bank of the James Financial Group, Inc.	Carolina Financial Corporation
Ameriprise Financial, Inc.	Bank OZK	Carolina Trust
Ameris Bancorp	BankFinancial Corporation	BancShares, Inc.
Amerisafe, Inc.	BankUnited, Inc.	Carter Bank & Trust
AmeriServ Financial, Inc.	Bankwell Financial Group, Inc.	Cathay General Bancorp
Ames National Corporation	Banner Corporation	CB Financial Services, Inc.
Annaly Capital Management, Inc.	Bar Harbor Bankshares	CBRE Group, Inc.
Anthem, Inc.	Barings BDC, Inc.	Centene Corporation
Anworth Mortgage Asset Corporation	BayCom Corp	CenterState Bank Corporation
Apartment Investment and Management Company	BB&T Corporation	Central Federal Corporation
Apollo Commercial Real Estate Finance, Inc.	BBX Capital Corporation	Central Pacific Financial Corp.
Apollo Global Management, LLC	BCB Bancorp, Inc.	Central Valley Community Bancorp
Apollo Investment Corporation	Berkshire Hills Bancorp, Inc.	Century Bancorp, Inc.
Arbor Realty Trust, Inc.	BGC Partners, Inc.	CEVA, Inc.
Ares Capital Corporation	BlackRock Capital Investment Corporation	Chatham Lodging Trust
Ares Commercial Real Estate Corporation	BlackRock TCP Capital Corp.	Chemical Financial Corporation
Armada Hoffer Properties, Inc.	BlackRock, Inc.	Chemung Financial Corporation
Arrow Financial Corporation	Blackstone Mortgage Trust, Inc.	Chesapeake Lodging Trust
Arthur J. Gallagher & Co.	BOK Financial Corporation	China HGS Real Estate Inc.
Artisan Partners Asset Management Inc.	Boston Private Financial Holdings, Inc.	Cigna Corporation
	Boston Properties, Inc.	Cincinnati Financial Corporation
	BP Prudhoe Bay Royalty Trust	CIT Group Inc.
	Braemar Hotels & Resorts, Inc.	Citigroup Inc.
	Brandywine Realty Trust	Citizens & Northern Corporation
	Bridge Bancorp, Inc.	Citizens Community Bancorp, Inc.
		Citizens First Corporation

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Citizens Holding Company	Dime Community Bancshares, Inc.	Fidus Investment Corporation
City Holding Company	Discover Financial Services	Fifth Third Bancorp
City Office REIT, Inc.	DNB Financial Corporation	Financial Institutions, Inc.
Civista Bancshares, Inc.	Dolby Laboratories, Inc.	First American Financial Corporation
CM Finance Inc.	Donegal Group Inc.	First Bancorp
CME Group Inc.	Dorchester Minerals, L.P.	First BanCorp.
CNA Financial Corporation	Douglas Emmett, Inc.	First Bank
CNB Financial Corporation	Duke Realty Corporation	First Busey Corporation
CNO Financial Group, Inc.	E*TRADE Financial Corporation	First Business Financial Services, Inc.
Codorus Valley Bancorp, Inc.	Eagle Bancorp Montana, Inc.	First Capital, Inc.
Cohen & Steers, Inc.	Eagle Bancorp, Inc.	First Citizens BancShares, Inc.
Colony Bankcorp, Inc.	East West Bancorp, Inc.	First Commonwealth Financial Corporation
Columbia Banking System, Inc.	EastGroup Properties, Inc.	First Community Bankshares, Inc.
Columbia Property Trust, Inc.	Eaton Vance Corp.	First Community Corporation
Comerica Incorporated	Elmira Savings Bank	First Defiance Financial Corp.
Commerce Bancshares, Inc.	EMC Insurance Group Inc.	First Financial Bancorp.
Community Bank System, Inc.	Emclair Financial Corp	First Financial Bankshares, Inc.
Community Bankers Trust Corporation	Empire State Realty Trust, Inc.	First Financial Corporation
Community Trust Bancorp, Inc.	Employers Holdings, Inc.	First Financial Northwest, Inc.
Community West Bancshares	Encore Capital Group, Inc.	First Guaranty Bancshares, Inc.
ConnectOne Bancorp, Inc.	Enterprise Bancorp, Inc.	First Horizon National Corporation
Consolidated-Tomoka Land Co.	Enterprise Financial Services Corp	First Industrial Realty Trust, Inc.
CoreCivic, Inc.	EPR Properties	First Internet Bancorp
CorEnergy Infrastructure Trust, Inc.	Equinix, Inc. (REIT)	First Interstate BancSystem, Inc.
CoreSite Realty Corporation	Equity Commonwealth	First Merchants Corporation
Corporate Office Properties Trust	Equity LifeStyle Properties, Inc.	First Mid-Illinois Bancshares, Inc.
Cortland Bancorp	Equity Residential	First Midwest Bancorp, Inc.
CorVel Corporation	Erie Indemnity Company	First Republic Bank
Cousins Properties Incorporated	ESSA Bancorp, Inc.	First Savings Financial Group, Inc.
Cowen Inc.	Essex Property Trust, Inc.	First United Corporation
Crawford & Company	Euronet Worldwide, Inc.	First US Bancshares, Inc.
Credit Acceptance Corporation	Evans Bancorp, Inc.	Flagstar Bancorp, Inc.
Cross Timbers Royalty Trust	Evercore Inc.	Flushing Financial Corporation
Crown Castle International Corp. (REIT)	Extra Space Storage Inc.	FNCB Bancorp, Inc.
CubeSmart	F.N.B. Corporation	Franklin Financial Network, Inc.
Cullen/Frost Bankers, Inc.	Farmers & Merchants Bancorp, Inc.	Franklin Resources, Inc.
Customers Bancorp, Inc.	Farmers National Banc Corp.	Franklin Street Properties Corp.
CVB Financial Corp.	Farmland Partners Inc.	FRP Holdings, Inc.
Diamond Hill Investment Group, Inc.	Fauquier Bankshares, Inc.	FS Bancorp, Inc.
DiamondRock Hospitality Company	FBL Financial Group, Inc.	FS KKR Capital Corp.
Digital Realty Trust, Inc.	Federal Agricultural Mortgage Corporation	
	Federal Realty Investment Trust	
	Federated Investors, Inc.	
	FedNat Holding Company	
	Fidelity D & D Bancorp, Inc.	
	Fidelity National Financial, Inc.	
	Fidelity Southern Corporation	

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Fulton Financial Corporation	HMN Financial, Inc.	Kennedy-Wilson Holdings, Inc.
FVCBankcorp, Inc.	HMS Holdings Corp.	Kentucky First Federal Bancorp
GAIN Capital Holdings, Inc.	Home Bancorp, Inc.	KeyCorp
GAMCO Investors, Inc.	Home Bancshares, Inc. (Conway, AR)	Kilroy Realty Corporation
Gaming and Leisure Properties, Inc.	Home Federal Bancorp, Inc. of Louisiana	Kimco Realty Corporation
Garrison Capital Inc.	HomeStreet, Inc.	Kingstone Companies, Inc.
German American Bancorp, Inc.	HomeTrust Bancshares, Inc.	KKR & Co. Inc.
Getty Realty Corp.	Hope Bancorp, Inc.	Ladder Capital Corp
Glacier Bancorp, Inc.	HopFed Bancorp, Inc.	Lake Shore Bancorp, Inc.
Gladstone Capital Corporation	Horace Mann Educators Corporation	Lakeland Bancorp, Inc.
Gladstone Investment Corporation	Horizon Bancorp, Inc.	Lakeland Financial Corporation
Glen Burnie Bancorp	Horizon Technology Finance Corporation	Lamar Advertising Company (REIT)
Golub Capital BDC, Inc.	Hospitality Properties Trust	Landmark Bancorp, Inc.
Great Southern Bancorp, Inc.	Host Hotels & Resorts, Inc.	LCNB Corp.
Greene County Bancorp, Inc.	Howard Bancorp, Inc.	LegacyTexas Financial Group, Inc.
Greenhill & Co., Inc.	Hudson Pacific Properties, Inc.	Legg Mason, Inc.
Griffin Industrial Realty, Inc.	Humana Inc.	LendingTree, Inc.
Guaranty Federal Bancshares, Inc.	Huntington Bancshares Incorporated	Lexington Realty Trust
Hallmark Financial Services, Inc.	IBERIABANK Corporation	Liberty Property Trust
Hancock Whitney Corporation	IF Bancorp, Inc.	Life Storage, Inc.
Hanmi Financial Corporation	Impac Mortgage Holdings, Inc.	Lincoln National Corporation
Hannon Armstrong Sustainable Infrastructure Capital, Inc.	Income Opportunity Realty Investors, Inc.	Loews Corporation
Harvest Capital Credit Corporation	Independence Holding Company	LPL Financial Holdings Inc.
Hawthorn Bancshares, Inc.	Independence Realty Trust, Inc.	LTC Properties, Inc.
HCI Group, Inc.	Independent Bank Corp.	M&T Bank Corporation
HCP, Inc.	Independent Bank Corporation	Macatawa Bank Corporation
Health Insurance Innovations, Inc.	Independent Bank Group, Inc.	Macerich Company
Healthcare Realty Trust Incorporated	Intact Gold Corp.	Mack-Cali Realty Corporation
Healthcare Trust of America, Inc.	Intercontinental Exchange, Inc.	Mackinac Financial Corporation
Heartland Financial USA, Inc.	InterDigital, Inc.	Magyar Bancorp, Inc.
Hennessy Advisors, Inc.	International Bancshares Corporation	Main Street Capital Corporation
Hercules Capital, Inc.	Invesco Mortgage Capital Inc.	Malvern Bancorp, Inc.
Heritage Commerce Corp	Investors Bancorp, Inc.	Manhattan Bridge Capital, Inc.
Heritage Financial Corporation	Investors Title Company	Manning & Napier, Inc.
Hersha Hospitality Trust	Iron Mountain Incorporated	Marcus & Millichap, Inc.
HFF, Inc.	J.W. Mays, Inc.	Markel Corporation
Highwoods Properties, Inc.	Jefferies Financial Group Inc.	MarketAxess Holdings Inc.
Hilltop Holdings Inc.	Jones Lang LaSalle Incorporated	Marlin Business Services Corp.
Hingham Institution for Savings	JPMorgan Chase & Co.	Marsh & McLennan Companies, Inc.
	Kearny Financial Corp.	Mastercard Incorporated
	Kemper Corporation	Maui Land & Pineapple Company, Inc.
		MB Financial, Inc.
		MBT Financial Corp.
		Medallion Financial Corp.

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Medical Properties Trust, Inc.	North European Oil Royalty Trust	Inc.
Mercantile Bank Corporation	Northeast Bancorp	PennyMac Financial Services, Inc.
Mercury General Corporation	Northern Trust Corporation	Peoples Bancorp Inc.
Meridian Bancorp, Inc.	Northfield Bancorp, Inc. (Staten Island, NY)	Peoples Bancorp of North Carolina, Inc.
Mesa Royalty Trust	Northrim BanCorp, Inc.	Peoples Financial Services Corp.
Mesabi Trust	Northwest Bancshares, Inc.	People's United Financial, Inc.
Meta Financial Group, Inc.	Norwood Financial Corp.	Permian Basin Royalty Trust
MetLife, Inc.	Oak Valley Bancorp	Physicians Realty Trust
MFA Financial, Inc.	Oaktree Capital Group, LLC	Piedmont Office Realty Trust, Inc.
MGIC Investment Corporation	Oaktree Strategic Income Corporation	Pinnacle Financial Partners, Inc.
Mid Penn Bancorp, Inc.	OceanFirst Financial Corp.	Piper Jaffray Companies
Mid-America Apartment Communities, Inc.	Oconee Federal Financial Corp.	Plumas Bancorp
Middlefield Banc Corp.	OFG Bancorp	Popular, Inc.
MidSouth Bancorp, Inc.	OFS Capital Corporation	Portman Ridge Finance Corporation
MidWestOne Financial Group, Inc.	Ohio Valley Banc Corp.	PRA Group, Inc.
Moelis & Company	Old Line Bancshares, Inc.	Preferred Bank
Molina Healthcare, Inc.	Old National Bancorp	Premier Financial Bancorp, Inc.
Monmouth Real Estate Investment Corporation	Old Point Financial Corporation	Primerica, Inc.
Monroe Capital Corporation	Old Republic International Corporation	Principal Financial Group, Inc.
Morgan Stanley	Old Second Bancorp, Inc.	ProAssurance Corporation
Mr. Cooper Group Inc.	Omega Healthcare Investors, Inc.	Prologis, Inc.
MSB Financial Corp.	One Liberty Properties, Inc.	Prospect Capital Corporation
MSCI Inc.	OneMain Holdings, Inc.	Prosperity Bancshares, Inc.
MutualFirst Financial, Inc.	Oppenheimer Holdings Inc.	Protective Insurance Corp.
MVB Financial Corp.	Opus Bank	Provident Financial Holdings, Inc.
National Bank Holdings Corporation	Orion Metals Limited	Provident Financial Services, Inc.
National Bankshares, Inc.	Oritani Financial Corp.	Prudential Bancorp, Inc.
National General Holdings Corp.	Orrstown Financial Services, Inc.	Prudential Financial, Inc.
National Health Investors, Inc.	Ottawa Bancorp, Inc.	PS Business Parks, Inc.
National Holdings Corporation	Outfront Media Inc.	Public Storage
National Retail Properties, Inc.	Oxford Lane Capital Corp.	Pzena Investment Management, Inc.
National Western Life Group, Inc.	Oxford Square Capital Corp.	QCR Holdings, Inc.
NBT Bancorp Inc.	Pacific Premier Bancorp, Inc.	QTS Realty Trust, Inc.
Nelnet, Inc.	PacWest Bancorp	Radian Group Inc.
Network-1 Technologies, Inc.	Park National Corporation	Rambus Inc.
New Mountain Finance Corporation	Parke Bancorp, Inc.	Rand Capital Corporation
New Residential Investment Corp.	Pathfinder Bancorp, Inc.	Raymond James Financial, Inc.
New York Community Bancorp, Inc.	Patriot National Bancorp, Inc.	Rayonier Inc.
Newtek Business Services Corp.	PB Bancorp, Inc.	RE/MAX Holdings, Inc.
Nicolet Bankshares, Inc.	Peapack-Gladstone Financial Corporation	Realogy Holdings Corp.
NMI Holdings, Inc.	Pebblebrook Hotel Trust	Realty Income Corporation
	PennantPark Floating Rate Capital Ltd.	Regency Centers Corporation
	PennantPark Investment Corporation	
	Penns Woods Bancorp,	

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Regional Management Corp.	Simon Property Group, Inc.	Texas Pacific Land Trust
Regions Financial Corporation	SL Green Realty Corp.	TFS Financial Corporation
Reinsurance Group of America, Incorporated	Solar Capital Ltd.	The Allstate Corporation
Renasant Corporation	Solar Senior Capital Ltd.	The Bank of New York Mellon Corporation
Republic Bancorp, Inc.	Sound Financial Bancorp, Inc.	The Blackstone Group L.P.
Republic First Bancorp, Inc.	South State Corporation	The Carlyle Group L.P.
Retail Opportunity Investments Corp.	Southern First Bancshares, Inc.	The Charles Schwab Corporation
Retail Properties of America, Inc.	Southern Missouri Bancorp, Inc.	The Community Financial Corporation
Rexford Industrial Realty, Inc.	Southern National Bancorp of Virginia, Inc.	The First Bancorp, Inc.
Riverview Bancorp, Inc.	Southside Bancshares, Inc.	The First Bancshares, Inc.
Riverview Financial Corporation	Southwest Georgia Financial Corporation	The First of Long Island Corporation
RLI Corp.	Spirit Realty Capital, Inc.	The GEO Group, Inc.
RLJ Lodging Trust	STAG Industrial, Inc.	The Goldman Sachs Group, Inc.
Royal Gold, Inc.	Standard AVB Financial Corp.	The Hanover Insurance Group, Inc.
RPT Realty	Starwood Property Trust, Inc.	The Hartford Financial Services Group, Inc.
Ryman Hospitality Properties, Inc.	State Auto Financial Corporation	The Howard Hughes Corporation
S&T Bancorp, Inc.	State Street Corporation	The National Security Group, Inc.
Sabine Royalty Trust	Stellus Capital Investment Corporation	The Navigators Group, Inc.
Sabra Health Care REIT, Inc.	Sterling Bancorp	The PNC Financial Services Group, Inc.
Safety Insurance Group, Inc.	Stewardship Financial Corporation	The Progressive Corporation
Salisbury Bancorp, Inc.	Stewart Information Services Corporation	The Travelers Companies, Inc.
San Juan Basin Royalty Trust	Stifel Financial Corp.	The Western Union Company
Sandy Spring Bancorp, Inc.	Stock Yards Bancorp, Inc.	THL Credit, Inc.
Santander Consumer USA Holdings Inc.	StoneCastle Financial Corp.	Timberland Bancorp, Inc.
Saratoga Investment Corp.	Summit Financial Group, Inc.	Tiptree Inc.
Saul Centers, Inc.	Summit Hotel Properties, Inc.	Tompkins Financial Corporation
SB Financial Group, Inc.	Summit State Bank	Torchmark Corporation
SB One Bancorp	Sun Communities, Inc.	TowneBank
Seacoast Banking Corporation of Florida	Sunstone Hotel Investors, Inc.	TPG Specialty Lending, Inc.
Security National Financial Corporation	SunTrust Banks, Inc.	TriCo Bancshares
SEI Investments Company	SVB Financial Group	TriState Capital Holdings, Inc.
Select Bancorp, Inc.	Synovus Financial Corp.	TrustCo Bank Corp NY
Selective Insurance Group, Inc.	T. Rowe Price Group, Inc.	Trustmark Corporation
Senior Housing Properties Trust	Tanger Factory Outlet Centers, Inc.	Two River Bancorp
Shore Bancshares, Inc.	Taubman Centers, Inc.	U.S. Bancorp
SI Financial Group, Inc.	TC PipeLines, LP	UDR, Inc.
Sierra Bancorp	TCF Financial Corporation	UMB Financial Corporation
Signature Bank	TD Ameritrade Holding Corporation	Umpqua Holdings Corporation
Silvercrest Asset Management Group Inc.	Terreno Realty Corporation	Union Bankshares Corporation
Simmons First National Corporation	Territorial Bancorp Inc.	Union Bankshares, Inc.
	Texas Capital Bancshares, Inc.	United Bancorp, Inc.

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

United Bancshares, Inc.	Western New England Bancorp, Inc.	Banner Corporation
United Bankshares, Inc.	Westwood Holdings Group, Inc.	Bar Harbor Bankshares
United Community Banks, Inc.	WhiteHorse Finance, Inc.	BayCom Corp
United Community Financial Corp.	Whitestone REIT	BB&T Corporation
United Financial Bancorp, Inc.	Winmark Corporation	BBX Capital Corporation
United Fire Group, Inc.	Wintrust Financial Corporation	BCB Bancorp, Inc.
United Insurance Holdings Corp.	WisdomTree Investments, Inc.	Berkshire Hills Bancorp, Inc.
United Security Bancshares	World Acceptance Corporation	BOK Financial Corporation
UnitedHealth Group Incorporated	WSFS Financial Corporation	Boston Private Financial Holdings, Inc.
Unity Bancorp, Inc.	WVS Financial Corp.	Bridge Bancorp, Inc.
Universal Health Realty Income Trust	Wyndham Destinations, Inc.	Broadway Financial Corporation
Universal Insurance Holdings, Inc.	Zions Bancorporation, National Association	Brookline Bancorp, Inc.
Univest Financial Corporation		Bryn Mawr Bank Corporation
Unum Group		BSB Bancorp, Inc.
Urstadt Biddle Properties Inc.		C&F Financial Corporation
Valley National Bancorp		Cambridge Bancorp
Vector Group Ltd.		Camden National Corporation
Ventas, Inc.		Capital City Bank Group, Inc.
Village Bank and Trust Financial Corp.		Capitol Federal Financial, Inc.
Virtus Investment Partners, Inc.		Carolina Financial Corporation
Visa Inc.		Carolina Trust BancShares, Inc.
Vornado Realty Trust		Carter Bank & Trust
Voya Financial, Inc.		Cathay General Bancorp
W. P. Carey Inc.		CB Financial Services, Inc.
W. R. Berkley Corporation		CenterState Bank Corporation
Waddell & Reed Financial, Inc.		Central Federal Corporation
Walker & Dunlop, Inc.		Central Pacific Financial Corp.
Washington Federal, Inc.		Central Valley Community Bancorp
Washington Real Estate Investment Trust		Century Bancorp, Inc.
Washington Trust Bancorp, Inc.		Chemical Financial Corporation
Waterstone Financial, Inc.		Chemung Financial Corporation
Webster Financial Corporation		Citizens & Northern Corporation
Weingarten Realty Investors		Citizens Community Bancorp, Inc.
WellCare Health Plans, Inc.		Citizens First Corporation
Wellesley Bancorp, Inc.		Citizens Holding Company
Wells Fargo & Company		City Holding Company
Welltower Inc.		Civista Bancshares, Inc.
WesBanco, Inc.		CNB Financial Corporation
West Bancorporation, Inc.		Codorus Valley Bancorp, Inc.
Westamerica Bancorporation		Colony Bankcorp, Inc.
Western Alliance Bancorporation		Columbia Banking System, Inc.
	SIC 60	
	1st Constitution Bancorp	
	1st Source Corporation	
	ACNB Corporation	
	American National Bankshares Inc.	
	American River Bankshares	
	Ameris Bancorp	
	AmeriServ Financial, Inc.	
	Ames National Corporation	
	Arrow Financial Corporation	
	Associated Banc-Corp	
	Auburn National Bancorporation, Inc.	
	Axos Financial, Inc.	
	Banc of California, Inc.	
	BancFirst Corporation	
	Bancorp Of New Jersey, Inc.	
	BancorpSouth Bank	
	Bank First National Corporation	
	Bank of America Corporation	
	Bank of Commerce Holdings	
	Bank of Hawaii Corporation	
	Bank of Marin Bancorp	
	Bank of South Carolina Corporation	
	Bank of the James Financial Group, Inc.	
	Bank OZK	
	BankFinancial Corporation	
	BankUnited, Inc.	
	Bankwell Financial Group, Inc.	

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Comerica Incorporated	First Financial Bankshares, Inc.	Home Federal Bancorp, Inc. of Louisiana
Commerce Bancshares, Inc.	First Financial Corporation	HomeStreet, Inc.
Community Bank System, Inc.	First Financial Northwest, Inc.	HomeTrust Bancshares, Inc.
Community Bankers Trust Corporation	First Guaranty Bancshares, Inc.	Hope Bancorp, Inc.
Community Trust Bancorp, Inc.	First Horizon National Corporation	HopFed Bancorp, Inc.
Community West Bancshares	First Internet Bancorp	Horizon Bancorp, Inc.
ConnectOne Bancorp, Inc.	First Interstate BancSystem, Inc.	Howard Bancorp, Inc.
Cortland Bancorp	First Merchants Corporation	Huntington Bancshares Incorporated
Cullen/Frost Bankers, Inc.	First Mid-Illinois Bancshares, Inc.	IBERIABANK Corporation
Customers Bancorp, Inc.	First Midwest Bancorp, Inc.	IF Bancorp, Inc.
CVB Financial Corp.	First Republic Bank	Independent Bank Corp.
Dime Community Bancshares, Inc.	First Savings Financial Group, Inc.	Independent Bank Corporation
DNB Financial Corporation	First United Corporation	Independent Bank Group, Inc.
Eagle Bancorp Montana, Inc.	First US Bancshares, Inc.	International Bancshares Corporation
Eagle Bancorp, Inc.	Flagstar Bancorp, Inc.	Investors Bancorp, Inc.
East West Bancorp, Inc.	Flushing Financial Corporation	JPMorgan Chase & Co.
Elmira Savings Bank	FNCB Bancorp, Inc.	Kearny Financial Corp.
Emclaire Financial Corp	Franklin Financial Network, Inc.	Kentucky First Federal Bancorp
Enterprise Bancorp, Inc.	FS Bancorp, Inc.	KeyCorp
Enterprise Financial Services Corp	Fulton Financial Corporation	Lake Shore Bancorp, Inc.
ESSA Bancorp, Inc.	FVCBankcorp, Inc.	Lakeland Bancorp, Inc.
Euronet Worldwide, Inc.	German American Bancorp, Inc.	Lakeland Financial Corporation
Evans Bancorp, Inc.	Glacier Bancorp, Inc.	Landmark Bancorp, Inc.
F.N.B. Corporation	Glen Burnie Bancorp	LCNB Corp.
Farmers & Merchants Bancorp, Inc.	Great Southern Bancorp, Inc.	LegacyTexas Financial Group, Inc.
Farmers National Banc Corp.	Greene County Bancorp, Inc.	M&T Bank Corporation
Fauquier Bankshares, Inc.	Guaranty Federal Bancshares, Inc.	Macatawa Bank Corporation
Fidelity D & D Bancorp, Inc.	Hancock Whitney Corporation	Mackinac Financial Corporation
Fidelity Southern Corporation	Hanmi Financial Corporation	Magyar Bancorp, Inc.
Fifth Third Bancorp	Hawthorn Bancshares, Inc.	Malvern Bancorp, Inc.
Financial Institutions, Inc.	Heartland Financial USA, Inc.	Mastercard Incorporated
First Bancorp	Heritage Commerce Corp	MB Financial, Inc.
First BanCorp.	Heritage Financial Corporation	MBT Financial Corp.
First Bank	Hingham Institution for Savings	Mercantile Bank Corporation
First Busey Corporation	HMN Financial, Inc.	Meridian Bancorp, Inc.
First Business Financial Services, Inc.	Home Bancorp, Inc.	Meta Financial Group, Inc.
First Capital, Inc.	Home Bancshares, Inc. (Conway, AR)	Mid Penn Bancorp, Inc.
First Citizens BancShares, Inc.		Middlefield Banc Corp.
First Commonwealth Financial Corporation		MidSouth Bancorp, Inc.
First Community Bankshares, Inc.		MidWestOne Financial Group, Inc.
First Community Corporation		MSB Financial Corp.
First Defiance Financial Corp.		MutualFirst Financial, Inc.
First Financial Bancorp.		MVB Financial Corp.
		National Bank Holdings Corporation
		National Bankshares, Inc.
		NBT Bancorp Inc.

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

New York Community Bancorp, Inc.	QCR Holdings, Inc.	The First of Long Island Corporation
Nicolet Bankshares, Inc.	Regions Financial Corporation	The PNC Financial Services Group, Inc.
Northeast Bancorp	Renasant Corporation	The Western Union Company
Northern Trust Corporation	Republic Bancorp, Inc.	Timberland Bancorp, Inc.
Northfield Bancorp, Inc. (Staten Island, NY)	Republic First Bancorp, Inc.	Tompkins Financial Corporation
Northrim BanCorp, Inc.	Riverview Bancorp, Inc.	TowneBank
Northwest Bancshares, Inc.	Riverview Financial Corporation	TriCo Bancshares
Norwood Financial Corp.	S&T Bancorp, Inc.	TriState Capital Holdings, Inc.
Oak Valley Bancorp	Salisbury Bancorp, Inc.	TrustCo Bank Corp NY
OceanFirst Financial Corp.	Sandy Spring Bancorp, Inc.	Trustmark Corporation
Oconee Federal Financial Corp.	SB Financial Group, Inc.	Two River Bancorp
OFG Bancorp	SB One Bancorp	U.S. Bancorp
Ohio Valley Banc Corp.	Seacoast Banking Corporation of Florida	UMB Financial Corporation
Old Line Bancshares, Inc.	Select Bancorp, Inc.	Umpqua Holdings Corporation
Old National Bancorp	Shore Bancshares, Inc.	Union Bankshares Corporation
Old Point Financial Corporation	SI Financial Group, Inc.	Union Bankshares, Inc.
Old Second Bancorp, Inc.	Sierra Bancorp	United Bancorp, Inc.
Opus Bank	Signature Bank	United Bancshares, Inc.
Oritani Financial Corp.	Simmons First National Corporation	United Bankshares, Inc.
Orrstown Financial Services, Inc.	Sound Financial Bancorp, Inc.	United Community Banks, Inc.
Ottawa Bancorp, Inc.	South State Corporation	United Community Financial Corp.
Pacific Premier Bancorp, Inc.	Southern First Bancshares, Inc.	United Financial Bancorp, Inc.
PacWest Bancorp	Southern Missouri Bancorp, Inc.	United Security Bancshares
Park National Corporation	Southern National Bancorp of Virginia, Inc.	Unity Bancorp, Inc.
Parke Bancorp, Inc.	Southside Bancshares, Inc.	Univest Financial Corporation
Pathfinder Bancorp, Inc.	Southwest Georgia Financial Corporation	Valley National Bancorp
Patriot National Bancorp, Inc.	Standard AVB Financial Corp.	Village Bank and Trust Financial Corp.
PB Bancorp, Inc.	State Street Corporation	Visa Inc.
Peapack-Gladstone Financial Corporation	Sterling Bancorp	Washington Federal, Inc.
Penns Woods Bancorp, Inc.	Stewardship Financial Corporation	Washington Trust Bancorp, Inc.
Peoples Bancorp Inc.	Stock Yards Bancorp, Inc.	Waterstone Financial, Inc.
Peoples Bancorp of North Carolina, Inc.	Summit Financial Group, Inc.	Webster Financial Corporation
Peoples Financial Services Corp.	Summit State Bank	Wellesley Bancorp, Inc.
People's United Financial, Inc.	SunTrust Banks, Inc.	Wells Fargo & Company
Pinnacle Financial Partners, Inc.	SVB Financial Group	WesBanco, Inc.
Plumas Bancorp	Synovus Financial Corp.	West Bancorporation, Inc.
Popular, Inc.	TCF Financial Corporation	Westamerica Bancorporation
Preferred Bank	Territorial Bancorp Inc.	Western Alliance Bancorporation
Premier Financial Bancorp, Inc.	Texas Capital Bancshares, Inc.	Western New England Bancorp, Inc.
Prosperity Bancshares, Inc.	TFS Financial Corporation	Wintrust Financial Corporation
Provident Financial Holdings, Inc.	The Bank of New York Mellon Corporation	WSFS Financial Corporation
Provident Financial Services, Inc.	The Community Financial Corporation	
Prudential Bancorp, Inc.	The First Bancorp, Inc.	
	The First Bancshares, Inc.	

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

WVS Financial Corp.
Zions Bancorporation,
National Association

Capital City Bank Group,
Inc.
Carolina Financial
Corporation
Carolina Trust
BancShares, Inc.
Carter Bank & Trust
Cathay General Bancorp
CB Financial Services, Inc.
CenterState Bank
Corporation
Central Pacific Financial
Corp.
Central Valley Community
Bancorp
Century Bancorp, Inc.
Chemical Financial
Corporation
Chemung Financial
Corporation
Citizens & Northern
Corporation
Citizens Community
Bancorp, Inc.
Citizens First Corporation
Citizens Holding
Company
City Holding Company
Civista Bancshares, Inc.
CNB Financial
Corporation
Codorus Valley Bancorp,
Inc.
Colony Bankcorp, Inc.
Columbia Banking
System, Inc.
Comerica Incorporated
Commerce Bancshares,
Inc.
Community Bank System,
Inc.
Community Bankers Trust
Corporation
Community Trust
Bancorp, Inc.
Community West
Bancshares
ConnectOne Bancorp, Inc.
Cortland Bancorp
Cullen/Frost Bankers, Inc.
Customers Bancorp, Inc.
CVB Financial Corp.
DNB Financial
Corporation
Eagle Bancorp, Inc.
East West Bancorp, Inc.
Emclaire Financial Corp
Enterprise Bancorp, Inc.
Enterprise Financial
Services Corp
Evans Bancorp, Inc.
F.N.B. Corporation

Farmers National Banc
Corp.
Fauquier Bankshares, Inc.
Fidelity D & D Bancorp,
Inc.
Fidelity Southern
Corporation
Fifth Third Bancorp
Financial Institutions, Inc.
First Bancorp
First BanCorp.
First Bank
First Busey Corporation
First Business Financial
Services, Inc.
First Capital, Inc.
First Citizens BancShares,
Inc.
First Commonwealth
Financial Corporation
First Community
Bankshares, Inc.
First Community
Corporation
First Financial Bancorp.
First Financial
Bankshares, Inc.
First Financial
Corporation
First Financial Northwest,
Inc.
First Guaranty
Bancshares, Inc.
First Horizon National
Corporation
First Internet Bancorp
First Interstate
BancSystem, Inc.
First Merchants
Corporation
First Mid-Illinois
Bancshares, Inc.
First Midwest Bancorp,
Inc.
First Republic Bank
First Savings Financial
Group, Inc.
First United Corporation
First US Bancshares, Inc.
Flushing Financial
Corporation
FNCB Bancorp, Inc.
Franklin Financial
Network, Inc.
Fulton Financial
Corporation
FVCBankcorp, Inc.
German American
Bancorp, Inc.
Glacier Bancorp, Inc.
Glen Burnie Bancorp

SIC 602

1st Constitution Bancorp
1st Source Corporation
ACNB Corporation
American National
Bankshares Inc.
American River
Bankshares
Ameris Bancorp
AmeriServ Financial, Inc.
Ames National
Corporation
Arrow Financial
Corporation
Associated Banc-Corp
Auburn National
Bancorporation, Inc.
BancFirst Corporation
Bancorp Of New Jersey,
Inc.
BancorpSouth Bank
Bank First National
Corporation
Bank of America
Corporation
Bank of Commerce
Holdings
Bank of Hawaii
Corporation
Bank of Marin Bancorp
Bank of South Carolina
Corporation
Bank of the James
Financial Group, Inc.
Bank OZK
BankFinancial
Corporation
BankUnited, Inc.
Bankwell Financial Group,
Inc.
Banner Corporation
Bar Harbor Bankshares
BayCom Corp
BB&T Corporation
BCB Bancorp, Inc.
Berkshire Hills Bancorp,
Inc.
BOK Financial
Corporation
Boston Private Financial
Holdings, Inc.
Bridge Bancorp, Inc.
Bryn Mawr Bank
Corporation
C&F Financial Corporation
Cambridge Bancorp
Camden National
Corporation

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Great Southern Bancorp, Inc.	Nicolet Bankshares, Inc.	Shore Bancshares, Inc.
Guaranty Federal Bancshares, Inc.	Northeast Bancorp	Sierra Bancorp
Hancock Whitney Corporation	Northern Trust Corporation	Signature Bank
Hanmi Financial Corporation	Northrim BanCorp, Inc.	Simmons First National Corporation
Hawthorn Bancshares, Inc.	Norwood Financial Corp.	South State Corporation
Heartland Financial USA, Inc.	Oak Valley Bancorp	Southern First Bancshares, Inc.
Heritage Commerce Corp	OFG Bancorp	Southern National Bancorp of Virginia, Inc.
Heritage Financial Corporation	Ohio Valley Banc Corp.	Southside Bancshares, Inc.
Home Bancshares, Inc. (Conway, AR)	Old Line Bancshares, Inc.	Southwest Georgia Financial Corporation
HomeTrust Bancshares, Inc.	Old National Bancorp	State Street Corporation
Hope Bancorp, Inc.	Old Point Financial Corporation	Sterling Bancorp
Horizon Bancorp, Inc.	Old Second Bancorp, Inc.	Stewardship Financial Corporation
Howard Bancorp, Inc.	Opus Bank	Stock Yards Bancorp, Inc.
Huntington Bancshares Incorporated	Orrstown Financial Services, Inc.	Summit Financial Group, Inc.
IBERIABANK Corporation	Pacific Premier Bancorp, Inc.	Summit State Bank
Independent Bank Corp.	PacWest Bancorp	SunTrust Banks, Inc.
Independent Bank Corporation	Park National Corporation	SVB Financial Group
Independent Bank Group, Inc.	Parke Bancorp, Inc.	Synovus Financial Corp.
International Bancshares Corporation	Pathfinder Bancorp, Inc.	TCF Financial Corporation
JPMorgan Chase & Co. KeyCorp	Patriot National Bancorp, Inc.	Texas Capital Bancshares, Inc.
Lakeland Bancorp, Inc.	Peapack-Gladstone Financial Corporation	The Bank of New York Mellon Corporation
Lakeland Financial Corporation	Penns Woods Bancorp, Inc.	The Community Financial Corporation
Landmark Bancorp, Inc.	Peoples Bancorp Inc.	The First Bancorp, Inc.
LCNB Corp.	Peoples Bancorp of North Carolina, Inc.	The First Bancshares, Inc.
LegacyTexas Financial Group, Inc.	Peoples Financial Services Corp.	The First of Long Island Corporation
M&T Bank Corporation	People's United Financial, Inc.	The PNC Financial Services Group, Inc.
Macatawa Bank Corporation	Pinnacle Financial Partners, Inc.	Tompkins Financial Corporation
Mackinac Financial Corporation	Plumas Bancorp	TowneBank
Malvern Bancorp, Inc.	Popular, Inc.	TriCo Bancshares
MB Financial, Inc.	Preferred Bank	TriState Capital Holdings, Inc.
Mercantile Bank Corporation	Premier Financial Bancorp, Inc.	Trustmark Corporation
Mid Penn Bancorp, Inc.	Prosperity Bancshares, Inc.	Two River Bancorp
Middlefield Banc Corp.	QCR Holdings, Inc.	U.S. Bancorp
MidSouth Bancorp, Inc.	Regions Financial Corporation	UMB Financial Corporation
MidWestOne Financial Group, Inc.	Renasant Corporation	Umpqua Holdings Corporation
MutualFirst Financial, Inc.	Republic Bancorp, Inc.	Union Bankshares Corporation
MVB Financial Corp.	Republic First Bancorp, Inc.	Union Bankshares, Inc.
National Bank Holdings Corporation	Riverview Financial Corporation	United Bancorp, Inc.
National Bankshares, Inc.	S&T Bancorp, Inc.	United Bancshares, Inc.
NBT Bancorp Inc.	Salisbury Bancorp, Inc.	United Bankshares, Inc.
	Sandy Spring Bancorp, Inc.	United Community Banks, Inc.
	SB Financial Group, Inc.	United Security Bancshares
	SB One Bancorp	Unity Bancorp, Inc.
	Seacoast Banking Corporation of Florida	
	Select Bancorp, Inc.	

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Univest Financial Corporation
Valley National Bancorp
Village Bank and Trust Financial Corp.
Washington Federal, Inc.
Washington Trust Bancorp, Inc.
Webster Financial Corporation
Wellesley Bancorp, Inc.
Wells Fargo & Company
WesBanco, Inc.
West Bancorporation, Inc.
Westamerica Bancorporation
Western Alliance Bancorporation
Wintrust Financial Corporation
Zions Bancorporation, National Association

Kentucky First Federal Bancorp
Lake Shore Bancorp, Inc.
Magyar Bancorp, Inc.
MBT Financial Corp.
Meridian Bancorp, Inc.
Meta Financial Group, Inc.
MSB Financial Corp.
New York Community Bancorp, Inc.
Northfield Bancorp, Inc. (Staten Island, NY)
Northwest Bancshares, Inc.
OceanFirst Financial Corp.
Oconee Federal Financial Corp.
Oritani Financial Corp.
Ottawa Bancorp, Inc.
PB Bancorp, Inc.
Provident Financial Holdings, Inc.
Provident Financial Services, Inc.
Prudential Bancorp, Inc.
Riverview Bancorp, Inc.
SI Financial Group, Inc.
Sound Financial Bancorp, Inc.
Southern Missouri Bancorp, Inc.
Standard AVB Financial Corp.
Territorial Bancorp Inc.
TFS Financial Corporation
Timberland Bancorp, Inc.
TrustCo Bank Corp NY
United Community Financial Corp.
United Financial Bancorp, Inc.
Waterstone Financial, Inc.
Western New England Bancorp, Inc.
WSFS Financial Corporation
WVS Financial Corp.

Eagle Bancorp Montana, Inc.
Elmira Savings Bank
Farmers & Merchants Bancorp, Inc.
First Defiance Financial Corp.
Flagstar Bancorp, Inc.
Greene County Bancorp, Inc.
HMN Financial, Inc.
Home Bancorp, Inc.
Home Federal Bancorp, Inc. of Louisiana
HopFed Bancorp, Inc.
IF Bancorp, Inc.
Kentucky First Federal Bancorp
Lake Shore Bancorp, Inc.
Meta Financial Group, Inc.
MSB Financial Corp.
Northfield Bancorp, Inc. (Staten Island, NY)
Northwest Bancshares, Inc.
OceanFirst Financial Corp.
Oconee Federal Financial Corp.
Oritani Financial Corp.
Ottawa Bancorp, Inc.
PB Bancorp, Inc.
Provident Financial Holdings, Inc.
Riverview Bancorp, Inc.
SI Financial Group, Inc.
Sound Financial Bancorp, Inc.
Territorial Bancorp Inc.
TFS Financial Corporation
TrustCo Bank Corp NY
Waterstone Financial, Inc.
Western New England Bancorp, Inc.
WSFS Financial Corporation

SIC 603

Axos Financial, Inc.
Banc of California, Inc.
BBX Capital Corporation
Broadway Financial Corporation
Brookline Bancorp, Inc.
BSB Bancorp, Inc.
Capitol Federal Financial, Inc.
Central Federal Corporation
Dime Community Bancshares, Inc.
Eagle Bancorp Montana, Inc.
Elmira Savings Bank
ESSA Bancorp, Inc.
Farmers & Merchants Bancorp, Inc.
First Defiance Financial Corp.
Flagstar Bancorp, Inc.
FS Bancorp, Inc.
Greene County Bancorp, Inc.
Hingham Institution for Savings
HMN Financial, Inc.
Home Bancorp, Inc.
Home Federal Bancorp, Inc. of Louisiana
HomeStreet, Inc.
HopFed Bancorp, Inc.
IF Bancorp, Inc.
Investors Bancorp, Inc.
Kearny Financial Corp.

SIC 6035

Axos Financial, Inc.
Banc of California, Inc.
BBX Capital Corporation
Broadway Financial Corporation
Brookline Bancorp, Inc.
BSB Bancorp, Inc.
Capitol Federal Financial, Inc.
Central Federal Corporation
Dime Community Bancshares, Inc.

SIC 6036

ESSA Bancorp, Inc.
FS Bancorp, Inc.
Hingham Institution for Savings
HomeStreet, Inc.
Investors Bancorp, Inc.
Kearny Financial Corp.
Magyar Bancorp, Inc.
MBT Financial Corp.
Meridian Bancorp, Inc.
New York Community Bancorp, Inc.
Provident Financial Services, Inc.

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Prudential Bancorp, Inc.
Southern Missouri
Bancorp, Inc.
Standard AVB Financial
Corp.
Timberland Bancorp, Inc.
United Community
Financial Corp.
United Financial Bancorp,
Inc.
WVS Financial Corp.

Impac Mortgage
Holdings, Inc.
Income Opportunity
Realty Investors, Inc.
LendingTree, Inc.
Mr. Cooper Group Inc.
PennyMac Financial
Services, Inc.
Walker & Dunlop, Inc.

National Holdings
Corporation
Oaktree Capital Group,
LLC
Oppenheimer Holdings
Inc.
Piper Jaffray Companies
Pzena Investment
Management, Inc
Raymond James
Financial, Inc.
SEI Investments
Company
Silvercrest Asset
Management Group Inc.
Stifel Financial Corp.
T. Rowe Price Group, Inc.
TD Ameritrade Holding
Corporation
The Blackstone Group
L.P.
The Carlyle Group L.P.
The Charles Schwab
Corporation
The Goldman Sachs
Group, Inc.
Virtus Investment
Partners, Inc.
Waddell & Reed Financial,
Inc.
Westwood Holdings
Group, Inc.
WisdomTree Investments,
Inc.

SIC 61

AirXpanders, Inc.
Ally Financial Inc.
CIT Group Inc.
Credit Acceptance
Corporation
Discover Financial
Services
Encore Capital Group, Inc.
Federal Agricultural
Mortgage Corporation
HFF, Inc.
Hilltop Holdings Inc.
Impac Mortgage
Holdings, Inc.
Income Opportunity
Realty Investors, Inc.
LendingTree, Inc.
Marlin Business Services
Corp.
Mr. Cooper Group Inc.
Nelnet, Inc.
OneMain Holdings, Inc.
PennyMac Financial
Services, Inc.
PRA Group, Inc.
Regional Management
Corp.
Santander Consumer USA
Holdings Inc.
Walker & Dunlop, Inc.
World Acceptance
Corporation

SIC 614

Credit Acceptance
Corporation
Discover Financial
Services
Nelnet, Inc.
OneMain Holdings, Inc.
Regional Management
Corp.
Santander Consumer USA
Holdings Inc.
World Acceptance
Corporation

SIC 616

HFF, Inc.

SIC 6162

Impac Mortgage
Holdings, Inc.
Income Opportunity
Realty Investors, Inc.
Mr. Cooper Group Inc.
PennyMac Financial
Services, Inc.
Walker & Dunlop, Inc.

SIC 62

Affiliated Managers
Group, Inc.
Ameriprise Financial, Inc.
Apollo Global
Management, LLC
Artisan Partners Asset
Management Inc.
BGC Partners, Inc.
BlackRock, Inc.
CME Group Inc.
Cohen & Steers, Inc.
Cowen Inc.
Diamond Hill Investment
Group, Inc.
E*TRADE Financial
Corporation
Eaton Vance Corp.
Evercore Inc.
Federated Investors, Inc.
Franklin Resources, Inc.
GAIN Capital Holdings,
Inc.
GAMCO Investors, Inc.
Greenhill & Co., Inc.
Hennessy Advisors, Inc.
Intact Gold Corp.
Intercontinental
Exchange, Inc.
Jefferies Financial Group
Inc.
KKR & Co. Inc.
Legg Mason, Inc.
LPL Financial Holdings
Inc.
Manning & Napier, Inc.
MarketAxess Holdings
Inc.
Moelis & Company
Morgan Stanley
MSCI Inc.

SIC 621

Ameriprise Financial, Inc.
BGC Partners, Inc.
E*TRADE Financial
Corporation
Intact Gold Corp.
Jefferies Financial Group
Inc.
LPL Financial Holdings
Inc.
National Holdings
Corporation
Oppenheimer Holdings
Inc.
Piper Jaffray Companies
Raymond James
Financial, Inc.
Stifel Financial Corp.
TD Ameritrade Holding
Corporation
The Goldman Sachs
Group, Inc.

SIC 628

Affiliated Managers
Group, Inc.
Apollo Global
Management, LLC

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Artisan Partners Asset Management Inc.
BlackRock, Inc.
Cohen & Steers, Inc.
Cowen Inc.
Diamond Hill Investment Group, Inc.
Eaton Vance Corp.
Federated Investors, Inc.
Franklin Resources, Inc.
GAMCO Investors, Inc.
Greenhill & Co., Inc.
Hennessy Advisors, Inc.
KKR & Co. Inc.
Legg Mason, Inc.
Manning & Napier, Inc.
Moelis & Company
MSCI Inc.
Oaktree Capital Group, LLC
Pzena Investment Management, Inc.
SEI Investments Company
Silvercrest Asset Management Group Inc.
T. Rowe Price Group, Inc.
The Blackstone Group L.P.
The Carlyle Group L.P.
The Charles Schwab Corporation
Virtus Investment Partners, Inc.
Waddell & Reed Financial, Inc.
Westwood Holdings Group, Inc.
WisdomTree Investments, Inc.

SIC 63

1347 Property Insurance Holdings, Inc.
Aflac Incorporated
Alleghany Corporation
American Equity Investment Life Holding Company
American Financial Group, Inc.
American International Group, Inc.
American National Insurance Company
Amerisafe, Inc.
Anthem, Inc.
Assurant, Inc.
Atlantic American Corporation
Centene Corporation
Cigna Corporation

Cincinnati Financial Corporation
CNA Financial Corporation
CNO Financial Group, Inc.
Donegal Group Inc.
EMC Insurance Group Inc.
Employers Holdings, Inc.
FBL Financial Group, Inc.
FedNat Holding Company
Fidelity National Financial, Inc.
First American Financial Corporation
Hallmark Financial Services, Inc.
HCI Group, Inc.
Horace Mann Educators Corporation
Humana Inc.
Independence Holding Company
Investors Title Company
Kemper Corporation
Kingstone Companies, Inc.
Lincoln National Corporation
Markel Corporation
Mercury General Corporation
MetLife, Inc.
MGIC Investment Corporation
Molina Healthcare, Inc.
National General Holdings Corp.
National Western Life Group, Inc.
NMI Holdings, Inc.
Old Republic International Corporation
ProAssurance Corporation
Protective Insurance Corp.
Radian Group Inc.
Reinsurance Group of America, Incorporated
RLI Corp.
Safety Insurance Group, Inc.
Selective Insurance Group, Inc.
State Auto Financial Corporation
Stewart Information Services Corporation
The Allstate Corporation
The Hanover Insurance Group, Inc.

The Hartford Financial Services Group, Inc.
The National Security Group, Inc.
The Navigators Group, Inc.
The Progressive Corporation
The Travelers Companies, Inc.
Tiptree Inc.
Torchmark Corporation
United Fire Group, Inc.
United Insurance Holdings Corp.
UnitedHealth Group Incorporated
Universal Insurance Holdings, Inc.
Unum Group
Voya Financial, Inc.
W. R. Berkley Corporation
WellCare Health Plans, Inc.

SIC 631

American Equity Investment Life Holding Company
American National Insurance Company
FBL Financial Group, Inc.
MetLife, Inc.
National Western Life Group, Inc.
Reinsurance Group of America, Incorporated
Voya Financial, Inc.

SIC 632

Aflac Incorporated
Anthem, Inc.
Centene Corporation
Cigna Corporation
CNO Financial Group, Inc.
Humana Inc.
Independence Holding Company
Molina Healthcare, Inc.
UnitedHealth Group Incorporated
Unum Group
WellCare Health Plans, Inc.

SIC 6324

Anthem, Inc.
Centene Corporation
Cigna Corporation
Humana Inc.
Molina Healthcare, Inc.

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

UnitedHealth Group
Incorporated
WellCare Health Plans,
Inc.

Brown & Brown, Inc.
CorVel Corporation
Crawford & Company
Erie Indemnity Company
Health Insurance
Innovations, Inc.
HMS Holdings Corp.
Marsh & McLennan
Companies, Inc.

Alexandria Real Estate
Equities, Inc.
AllianceBernstein Holding
L.P.
American Assets Trust,
Inc.
American Campus
Communities, Inc.
American Tower
Corporation (REIT)

SIC 633

1347 Property Insurance
Holdings, Inc.
Alleghany Corporation
Amerisafe, Inc.
Cincinnati Financial
Corporation
CNA Financial
Corporation
Donegal Group Inc.
EMC Insurance Group Inc.
Employers Holdings, Inc.
FedNat Holding Company
Hallmark Financial
Services, Inc.
HCI Group, Inc.
Kemper Corporation
Kingstone Companies,
Inc.
Markel Corporation
Mercury General
Corporation
National General Holdings
Corp.
ProAssurance
Corporation
Protective Insurance
Corp.
RLI Corp.
Safety Insurance Group,
Inc.
Selective Insurance
Group, Inc.
State Auto Financial
Corporation
The Allstate Corporation
The Hanover Insurance
Group, Inc.
The Hartford Financial
Services Group, Inc.
The National Security
Group, Inc.
The Navigators Group,
Inc.
The Progressive
Corporation
The Travelers Companies,
Inc.
Tiptree Inc.
United Fire Group, Inc.
United Insurance
Holdings Corp.
Universal Insurance
Holdings, Inc.
W. R. Berkley Corporation

SIC 65

Altisource Asset
Management Corporation
CBRE Group, Inc.
China HGS Real Estate
Inc.
Consolidated-Tomoka
Land Co.
FRP Holdings, Inc.
Griffin Industrial Realty,
Inc.
J.W. Mays, Inc.
Jones Lang LaSalle
Incorporated
Kennedy-Wilson
Holdings, Inc.
Marcus & Millichap, Inc.
Maui Land & Pineapple
Company, Inc.
RE/MAX Holdings, Inc.
Realogy Holdings Corp.
The Howard Hughes
Corporation
Vector Group Ltd.
Wyndham Destinations,
Inc.

Annaly Capital
Management, Inc.
Anworth Mortgage Asset
Corporation
Apartment Investment
and Management
Company
Apollo Commercial Real
Estate Finance, Inc.
Apollo Investment
Corporation
Ares Capital Corporation
Ares Commercial Real
Estate Corporation
Armada Hoffer
Properties, Inc.
AvalonBay Communities,
Inc.
Barings BDC, Inc.
BlackRock Capital
Investment Corporation
BlackRock TCP Capital
Corp.
Blackstone Mortgage
Trust, Inc.
Boston Properties, Inc.
BP Prudhoe Bay Royalty
Trust
Braemar Hotels &
Resorts, Inc.
Brandywine Realty Trust
Brixmor Property Group
Inc.
BRT Apartments Corp.
Camden Property Trust
Capital Southwest
Corporation
Capitala Finance Corp.
CEVA, Inc.
Chatham Lodging Trust
Chesapeake Lodging
Trust
City Office REIT, Inc.
CM Finance Inc.
Columbia Property Trust,
Inc.
CoreCivic, Inc.
CorEnergy Infrastructure
Trust, Inc.
CoreSite Realty
Corporation

SIC 651

Consolidated-Tomoka
Land Co.
FRP Holdings, Inc.
Griffin Industrial Realty,
Inc.
J.W. Mays, Inc.
Kennedy-Wilson
Holdings, Inc.

SIC 653

Jones Lang LaSalle
Incorporated
Marcus & Millichap, Inc.
RE/MAX Holdings, Inc.
Realogy Holdings Corp.
Vector Group Ltd.
Wyndham Destinations,
Inc.

SIC 67

Acadia Realty Trust
Agree Realty Corporation
Alexander's, Inc.

SIC 64

Arthur J. Gallagher & Co.

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Corporate Office Properties Trust	Horizon Technology Finance Corporation	One Liberty Properties, Inc.
Cousins Properties Incorporated	Hospitality Properties Trust	Orion Metals Limited
Cross Timbers Royalty Trust	Host Hotels & Resorts, Inc.	Outfront Media Inc.
Crown Castle International Corp. (REIT)	Hudson Pacific Properties, Inc.	Oxford Lane Capital Corp.
CubeSmart	Independence Realty Trust, Inc.	Oxford Square Capital Corp.
DiamondRock Hospitality Company	InterDigital, Inc.	Pebblebrook Hotel Trust
Digital Realty Trust, Inc.	Invesco Mortgage Capital Inc.	PennantPark Floating Rate Capital Ltd.
Dolby Laboratories, Inc.	Iron Mountain Incorporated	PennantPark Investment Corporation
Dorchester Minerals, L.P.	Kilroy Realty Corporation	Permian Basin Royalty Trust
Douglas Emmett, Inc.	Kimco Realty Corporation	Physicians Realty Trust
Duke Realty Corporation	Ladder Capital Corp	Piedmont Office Realty Trust, Inc.
EastGroup Properties, Inc.	Lamar Advertising Company (REIT)	Portman Ridge Finance Corporation
Empire State Realty Trust, Inc.	Lexington Realty Trust	Prologis, Inc.
EPR Properties	Liberty Property Trust	Prospect Capital Corporation
Equinix, Inc. (REIT)	Life Storage, Inc.	PS Business Parks, Inc.
Equity Commonwealth	LTC Properties, Inc.	Public Storage
Equity LifeStyle Properties, Inc.	Macerich Company	QTS Realty Trust, Inc.
Equity Residential	Mack-Cali Realty Corporation	Rambus Inc.
Essex Property Trust, Inc.	Main Street Capital Corporation	Rand Capital Corporation
Extra Space Storage Inc.	Manhattan Bridge Capital, Inc.	Rayonier Inc.
Farmland Partners Inc.	Medallion Financial Corp.	Realty Income Corporation
Federal Realty Investment Trust	Medical Properties Trust, Inc.	Regency Centers Corporation
Fidus Investment Corporation	Mesa Royalty Trust	Retail Opportunity Investments Corp.
First Industrial Realty Trust, Inc.	Mesabi Trust	Retail Properties of America, Inc.
Franklin Street Properties Corp.	MFA Financial, Inc.	Rexford Industrial Realty, Inc.
FS KKR Capital Corp.	Mid-America Apartment Communities, Inc.	RLJ Lodging Trust
Gaming and Leisure Properties, Inc.	Monmouth Real Estate Investment Corporation	Royal Gold, Inc.
Garrison Capital Inc.	Monroe Capital Corporation	RPT Realty
Getty Realty Corp.	National Health Investors, Inc.	Ryman Hospitality Properties, Inc.
Gladstone Capital Corporation	National Retail Properties, Inc.	Sabine Royalty Trust
Gladstone Investment Corporation	Network-1 Technologies, Inc.	Sabra Health Care REIT, Inc.
Golub Capital BDC, Inc.	New Mountain Finance Corporation	San Juan Basin Royalty Trust
Hannon Armstrong Sustainable Infrastructure Capital, Inc.	New Residential Investment Corp.	Saratoga Investment Corp.
Harvest Capital Credit Corporation	Newtek Business Services Corp.	Saul Centers, Inc.
HCP, Inc.	North European Oil Royalty Trust	Senior Housing Properties Trust
Healthcare Realty Trust Incorporated	Oaktree Strategic Income Corporation	Simon Property Group, Inc.
Healthcare Trust of America, Inc.	OFS Capital Corporation	SL Green Realty Corp.
Hercules Capital, Inc.	Omega Healthcare Investors, Inc.	Solar Capital Ltd.
Hersha Hospitality Trust		Solar Senior Capital Ltd.
Highwoods Properties, Inc.		Spirit Realty Capital, Inc.
		STAG Industrial, Inc.
		Starwood Property Trust, Inc.

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Stellus Capital Investment Corporation
 StoneCastle Financial Corp.
 Summit Hotel Properties, Inc.
 Sun Communities, Inc.
 Sunstone Hotel Investors, Inc.
 Tanger Factory Outlet Centers, Inc.
 Taubman Centers, Inc.
 TC PipeLines, LP
 Terreno Realty Corporation
 Texas Pacific Land Trust
 The GEO Group, Inc.
 THL Credit, Inc.
 TPG Specialty Lending, Inc.
 UDR, Inc.
 Universal Health Realty Income Trust
 Urstadt Biddle Properties Inc.
 Ventas, Inc.
 Vornado Realty Trust
 W. P. Carey Inc.
 Washington Real Estate Investment Trust
 Weingarten Realty Investors
 Welltower Inc.
 WhiteHorse Finance, Inc.
 Whitestone REIT
 Winmark Corporation

Ares Capital Corporation
 Ares Commercial Real Estate Corporation
 Armada Hoffer Properties, Inc.
 AvalonBay Communities, Inc.
 Barings BDC, Inc.
 BlackRock Capital Investment Corporation
 BlackRock TCP Capital Corp.
 Blackstone Mortgage Trust, Inc.
 Boston Properties, Inc.
 BP Prudhoe Bay Royalty Trust
 Braemar Hotels & Resorts, Inc.
 Brandywine Realty Trust
 Brixmor Property Group Inc.
 BRT Apartments Corp.
 Camden Property Trust
 Capital Southwest Corporation
 Capitala Finance Corp.
 CEVA, Inc.
 Chatham Lodging Trust
 Chesapeake Lodging Trust
 City Office REIT, Inc.
 CM Finance Inc.
 Columbia Property Trust, Inc.
 CoreCivic, Inc.
 CorEnergy Infrastructure Trust, Inc.
 CoreSite Realty Corporation
 Corporate Office Properties Trust
 Cousins Properties Incorporated
 Cross Timbers Royalty Trust
 Crown Castle International Corp. (REIT)
 CubeSmart
 DiamondRock Hospitality Company
 Digital Realty Trust, Inc.
 Dolby Laboratories, Inc.
 Dorchester Minerals, L.P.
 Douglas Emmett, Inc.
 Duke Realty Corporation
 EastGroup Properties, Inc.
 Empire State Realty Trust, Inc.
 EPR Properties
 Equinix, Inc. (REIT)
 Equity Commonwealth

Equity LifeStyle Properties, Inc.
 Equity Residential
 Essex Property Trust, Inc.
 Extra Space Storage Inc.
 Farmland Partners Inc.
 Federal Realty Investment Trust
 Fidus Investment Corporation
 First Industrial Realty Trust, Inc.
 Franklin Street Properties Corp.
 FS KKR Capital Corp.
 Gaming and Leisure Properties, Inc.
 Garrison Capital Inc.
 Getty Realty Corp.
 Gladstone Capital Corporation
 Gladstone Investment Corporation
 Golub Capital BDC, Inc.
 Hannon Armstrong Sustainable Infrastructure Capital, Inc.
 Harvest Capital Credit Corporation
 HCP, Inc.
 Healthcare Realty Trust Incorporated
 Healthcare Trust of America, Inc.
 Hercules Capital, Inc.
 Hersha Hospitality Trust
 Highwoods Properties, Inc.
 Horizon Technology Finance Corporation
 Hospitality Properties Trust
 Host Hotels & Resorts, Inc.
 Hudson Pacific Properties, Inc.
 Independence Realty Trust, Inc.
 InterDigital, Inc.
 Invesco Mortgage Capital Inc.
 Iron Mountain Incorporated
 Kilroy Realty Corporation
 Kimco Realty Corporation
 Ladder Capital Corp
 Lamar Advertising Company (REIT)
 Lexington Realty Trust
 Liberty Property Trust
 Life Storage, Inc.
 LTC Properties, Inc.

SIC 679

Acadia Realty Trust
 Agree Realty Corporation
 Alexander's, Inc.
 Alexandria Real Estate Equities, Inc.
 AllianceBernstein Holding L.P.
 American Assets Trust, Inc.
 American Campus Communities, Inc.
 American Tower Corporation (REIT)
 Annaly Capital Management, Inc.
 Anworth Mortgage Asset Corporation
 Apartment Investment and Management Company
 Apollo Commercial Real Estate Finance, Inc.
 Apollo Investment Corporation

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Macerich Company
Mack-Cali Realty Corporation
Main Street Capital Corporation
Manhattan Bridge Capital, Inc.
Medallion Financial Corp.
Medical Properties Trust, Inc.
Mesa Royalty Trust
Mesabi Trust
MFA Financial, Inc.
Mid-America Apartment Communities, Inc.
Monmouth Real Estate Investment Corporation
Monroe Capital Corporation
National Health Investors, Inc.
National Retail Properties, Inc.
Network-1 Technologies, Inc.
New Mountain Finance Corporation
New Residential Investment Corp.
Newtek Business Services Corp.
North European Oil Royalty Trust
Oaktree Strategic Income Corporation
OFS Capital Corporation
Omega Healthcare Investors, Inc.
One Liberty Properties, Inc.
Orion Metals Limited
Outfront Media Inc.
Oxford Square Capital Corp.
Pebblebrook Hotel Trust
PennantPark Floating Rate Capital Ltd.
PennantPark Investment Corporation
Permian Basin Royalty Trust
Physicians Realty Trust
Piedmont Office Realty Trust, Inc.
Portman Ridge Finance Corporation
Prologis, Inc.
Prospect Capital Corporation
PS Business Parks, Inc.
Public Storage
QTS Realty Trust, Inc.

Rambus Inc.
Rand Capital Corporation
Rayonier Inc.
Realty Income Corporation
Regency Centers Corporation
Retail Opportunity Investments Corp.
Retail Properties of America, Inc.
Rexford Industrial Realty, Inc.
RLJ Lodging Trust
Royal Gold, Inc.
RPT Realty
Ryman Hospitality Properties, Inc.
Sabine Royalty Trust
Sabra Health Care REIT, Inc.
San Juan Basin Royalty Trust
Saratoga Investment Corp.
Saul Centers, Inc.
Senior Housing Properties Trust
Simon Property Group, Inc.
SL Green Realty Corp.
Solar Capital Ltd.
Solar Senior Capital Ltd.
Spirit Realty Capital, Inc.
STAG Industrial, Inc.
Starwood Property Trust, Inc.
Stellus Capital Investment Corporation
StoneCastle Financial Corp.
Summit Hotel Properties, Inc.
Sun Communities, Inc.
Sunstone Hotel Investors, Inc.
Tanger Factory Outlet Centers, Inc.
Taubman Centers, Inc.
TC PipeLines, LP
Terreno Realty Corporation
Texas Pacific Land Trust
The GEO Group, Inc.
THL Credit, Inc.
TPG Specialty Lending, Inc.
UDR, Inc.
Universal Health Realty Income Trust
Urstadt Biddle Properties Inc.
Ventas, Inc.

Vornado Realty Trust
W. P. Carey Inc.
Washington Real Estate Investment Trust
Weingarten Realty Investors
Welltower Inc.
WhiteHorse Finance, Inc.
Whitestone REIT
Winmark Corporation

SIC 6794

CEVA, Inc.
Dolby Laboratories, Inc.
InterDigital, Inc.
Network-1 Technologies, Inc.
Rambus Inc.
Winmark Corporation

SIC 6798

Acadia Realty Trust
Agree Realty Corporation
Alexander's, Inc.
Alexandria Real Estate Equities, Inc.
American Assets Trust, Inc.
American Campus Communities, Inc.
American Tower Corporation (REIT)
Annaly Capital Management, Inc.
Anworth Mortgage Asset Corporation
Apartment Investment and Management Company
Apollo Commercial Real Estate Finance, Inc.
Ares Commercial Real Estate Corporation
Armada Hoffer Properties, Inc.
AvalonBay Communities, Inc.
Blackstone Mortgage Trust, Inc.
Boston Properties, Inc.
Braemar Hotels & Resorts, Inc.
Brandywine Realty Trust
Brixmor Property Group Inc.
BRT Apartments Corp.
Camden Property Trust
Chatham Lodging Trust
Chesapeake Lodging Trust
City Office REIT, Inc.

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Columbia Property Trust, Inc.
CoreCivic, Inc.
CorEnergy Infrastructure Trust, Inc.
CoreSite Realty Corporation
Corporate Office Properties Trust
Cousins Properties Incorporated
Crown Castle International Corp. (REIT)
CubeSmart
DiamondRock Hospitality Company
Digital Realty Trust, Inc.
Douglas Emmett, Inc.
Duke Realty Corporation
EastGroup Properties, Inc.
Empire State Realty Trust, Inc.
EPR Properties
Equinix, Inc. (REIT)
Equity Commonwealth
Equity LifeStyle Properties, Inc.
Equity Residential
Essex Property Trust, Inc.
Extra Space Storage Inc.
Farmland Partners Inc.
Federal Realty Investment Trust
First Industrial Realty Trust, Inc.
Franklin Street Properties Corp.
Gaming and Leisure Properties, Inc.
Getty Realty Corp.
Hannon Armstrong Sustainable Infrastructure Capital, Inc.
HCP, Inc.
Healthcare Realty Trust Incorporated
Healthcare Trust of America, Inc.
Hersha Hospitality Trust
Highwoods Properties, Inc.
Hospitality Properties Trust
Host Hotels & Resorts, Inc.
Hudson Pacific Properties, Inc.
Independence Realty Trust, Inc.
Invesco Mortgage Capital Inc.
Iron Mountain Incorporated

Kilroy Realty Corporation
Kimco Realty Corporation
Ladder Capital Corp
Lamar Advertising Company (REIT)
Lexington Realty Trust
Liberty Property Trust
Life Storage, Inc.
LTC Properties, Inc.
Macerich Company
Mack-Cali Realty Corporation
Manhattan Bridge Capital, Inc.
Medical Properties Trust, Inc.
MFA Financial, Inc.
Mid-America Apartment Communities, Inc.
Monmouth Real Estate Investment Corporation
National Health Investors, Inc.
National Retail Properties, Inc.
New Residential Investment Corp.
Omega Healthcare Investors, Inc.
One Liberty Properties, Inc.
Orion Metals Limited
Outfront Media Inc.
Pebblebrook Hotel Trust
Physicians Realty Trust
Piedmont Office Realty Trust, Inc.
Prologis, Inc.
PS Business Parks, Inc.
Public Storage
QTS Realty Trust, Inc.
Rayonier Inc.
Realty Income Corporation
Regency Centers Corporation
Retail Opportunity Investments Corp.
Retail Properties of America, Inc.
Rexford Industrial Realty, Inc.
RLJ Lodging Trust
RPT Realty
Ryman Hospitality Properties, Inc.
Sabra Health Care REIT, Inc.
Saul Centers, Inc.
Senior Housing Properties Trust
Simon Property Group,

Inc.
SL Green Realty Corp.
Spirit Realty Capital, Inc.
STAG Industrial, Inc.
Starwood Property Trust, Inc.
Summit Hotel Properties, Inc.
Sun Communities, Inc.
Sunstone Hotel Investors, Inc.
Tanger Factory Outlet Centers, Inc.
Taubman Centers, Inc.
Terreno Realty Corporation
The GEO Group, Inc.
UDR, Inc.
Universal Health Realty Income Trust
Urstadt Biddle Properties Inc.
Ventas, Inc.
Vornado Realty Trust
W. P. Carey Inc.
Washington Real Estate Investment Trust
Weingarten Realty Investors
Welltower Inc.
Whitestone REIT

SIC 7

ABM Industries Incorporated
ACI Worldwide, Inc.
Activision Blizzard, Inc.
Adobe Inc.
Air Lease Corporation
Akamai Technologies, Inc.
Alphabet Inc.
AMERCO
American Software, Inc.
AMN Healthcare Services, Inc.
ANSYS, Inc.
ARC Document Solutions, Inc.
ASGN Incorporated
Aspen Technology, Inc.
Aware, Inc.
Barrett Business Services, Inc.
BG Staffing, Inc.
Blackbaud, Inc.
Booking Holdings Inc.
Booz Allen Hamilton Holding Corporation
Bowl America Incorporated
Boyd Gaming Corporation

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Broadridge Financial Solutions, Inc.	Grubhub Inc.	Net 1 UEPS Technologies, Inc.
CACI International Inc	Guidewire Software, Inc.	Netflix, Inc.
Cadence Design Systems, Inc.	H&R Block, Inc.	NetScout Systems, Inc.
Canterbury Park Holding Corporation	HealthStream, Inc.	Nevada Gold & Casinos, Inc.
Carriage Services, Inc.	Heidrick & Struggles International, Inc.	NextGen Healthcare, Inc.
Cass Information Systems, Inc.	Hilton Worldwide Holdings Inc.	NIC Inc.
Cedar Fair, L.P.	Hyatt Hotels Corporation	Omniceil, Inc.
Century Casinos, Inc.	IAC/InterActiveCorp	Omnicom Group Inc.
Cerner Corporation	Information Services Group, Inc.	Oracle Corporation
Churchill Downs Incorporated	Insignia Systems, Inc.	Paycom Software, Inc.
Cinemark Holdings, Inc.	Insperty, Inc.	Pegasystems Inc.
Citrix Systems, Inc.	International Business Machines Corporation	Perficient, Inc.
Cognizant Technology Solutions Corporation	International Speedway Corporation	Performant Financial Corporation
Collectors Universe, Inc.	Intuit Inc.	Progress Software Corporation
Command Center, Inc.	Inuvo, Inc.	PTC Inc.
Commvault Systems, Inc.	Issuer Direct Corporation	QAD Inc.
Computer Programs and Systems, Inc.	j2 Global, Inc.	Qualys, Inc.
CoreLogic, Inc.	Jack Henry & Associates, Inc.	RCM Technologies, Inc.
CoStar Group, Inc.	KAR Auction Services, Inc.	Reading International, Inc.
Cross Country Healthcare, Inc.	Kelly Services, Inc.	RealPage, Inc.
CSG Systems International, Inc.	Kforce Inc.	Red Hat, Inc.
CSP Inc.	Korn Ferry	Robert Half International Inc.
Cynergistek, Inc.	Las Vegas Sands Corp.	Rollins, Inc.
DHI Group, Inc.	Leidos Holdings, Inc.	S&P Global Inc.
Dover Downs Gaming & Entertainment, Inc.	LiveRamp Holdings, Inc.	Sabre Corporation
Dover Motorsports, Inc.	LogMeIn, Inc.	salesforce.com, inc.
DXC Technology Company	MAM Software Group, Inc.	Science Applications International Corporation
eBay Inc.	Manhattan Associates, Inc.	Shutterstock, Inc.
Ebix, Inc.	ManpowerGroup Inc.	SilverSun Technologies, Inc.
Electronic Arts Inc.	ManTech International Corporation	Six Flags Entertainment Corporation
Ellie Mae, Inc.	Marriott International, Inc.	Sotheby's
EPAM Systems, Inc.	Marriott Vacations Worldwide Corporation	SP Plus Corporation
Equifax Inc.	Mastech Digital, Inc.	SPAR Group, Inc.
EVERTEC, Inc.	McGrath RentCorp	Speedway Motorsports, Inc.
Evolving Systems, Inc.	Medidata Solutions, Inc.	SPS Commerce, Inc.
Extended Stay America, Inc.	MercadoLibre, Inc.	SS&C Technologies Holdings, Inc.
F5 Networks, Inc.	MGM Resorts International	Stamps.com Inc.
Facebook, Inc.	Microsoft Corporation	Stratus Properties Inc.
FactSet Research Systems Inc.	MicroStrategy Incorporated	Sykes Enterprises, Incorporated
Fair Isaac Corporation	Mobile Mini, Inc.	Symantec Corporation
Fidelity National Information Services, Inc.	Monarch Casino & Resort, Inc.	Synopsys, Inc.
Finjan Holdings, Inc.	Monotype Imaging Holdings Inc.	Take-Two Interactive Software, Inc.
Fiserv, Inc.	Monro, Inc.	TechTarget, Inc.
FleetCor Technologies, Inc.	Moody's Corporation	Teradata Corporation
Global Payments Inc.	Morningstar, Inc.	The Interpublic Group of Companies, Inc.
GlobalSCAPE, Inc.	National Instruments Corporation	The Marcus Corporation
Green Dot Corporation	National Research Corporation	The St. Joe Company

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

The Ultimate Software Group, Inc.
Total System Services, Inc.
Travelzoo
TriNet Group, Inc.
TripAdvisor, Inc.
TrueBlue, Inc.
TSR, Inc.
TTEC Holdings, Inc.
Tucows Inc.
Tyler Technologies, Inc.
United Rentals, Inc.
Vail Resorts, Inc.
Veeva Systems Inc.
Verint Systems Inc.
Viad Corp
VirTra, Inc.
Virtusa Corporation
VMware, Inc.
WEX Inc.
Wilhelmina International, Inc.
World Wrestling Entertainment, Inc.
Worldpay, Inc.
Wynn Resorts, Limited
Yelp Inc.
Zix Corporation

BG Staffing, Inc.
Blackbaud, Inc.
Booking Holdings Inc.
Booz Allen Hamilton Holding Corporation
Broadridge Financial Solutions, Inc.
CACI International Inc
Cadence Design Systems, Inc.
Cass Information Systems, Inc.
Cerner Corporation
Citrix Systems, Inc.
Cognizant Technology Solutions Corporation
Collectors Universe, Inc.
Command Center, Inc.
Commvault Systems, Inc.
Computer Programs and Systems, Inc.
CoreLogic, Inc.
CoStar Group, Inc.
Cross Country Healthcare, Inc.
CSG Systems International, Inc.
CSP Inc.
Cynergistek, Inc.
DHI Group, Inc.
DXC Technology Company
eBay Inc.
Ebix, Inc.
Electronic Arts Inc.
Ellie Mae, Inc.
EPAM Systems, Inc.
Equifax Inc.
EVERTEC, Inc.
Evolving Systems, Inc.
F5 Networks, Inc.
Facebook, Inc.
FactSet Research Systems Inc.
Fair Isaac Corporation
Fidelity National Information Services, Inc.
Finjan Holdings, Inc.
Fiserv, Inc.
FleetCor Technologies, Inc.
Global Payments Inc.
GlobalSCAPE, Inc.
Green Dot Corporation
Grubhub Inc.
Guidewire Software, Inc.
HealthStream, Inc.
Heidrick & Struggles International, Inc.
IAC/InterActiveCorp
Information Services Group, Inc.

Insignia Systems, Inc.
Insperity, Inc.
International Business Machines Corporation
Intuit Inc.
Inuvo, Inc.
Issuer Direct Corporation
j2 Global, Inc.
Jack Henry & Associates, Inc.
KAR Auction Services, Inc.
Kelly Services, Inc.
Kforce Inc.
Korn Ferry
Leidos Holdings, Inc.
LiveRamp Holdings, Inc.
LogMeIn, Inc.
MAM Software Group, Inc.
Manhattan Associates, Inc.
ManpowerGroup Inc.
ManTech International Corporation
Mastech Digital, Inc.
McGrath RentCorp
Medidata Solutions, Inc.
MercadoLibre, Inc.
Microsoft Corporation
MicroStrategy Incorporated
Mobile Mini, Inc.
Monotype Imaging Holdings Inc.
Moody's Corporation
Morningstar, Inc.
National Instruments Corporation
National Research Corporation
Net 1 UEPS Technologies, Inc.
NetScout Systems, Inc.
NextGen Healthcare, Inc.
NIC Inc.
Omniceil, Inc.
Omnicom Group Inc.
Oracle Corporation
Paycom Software, Inc.
Pegasystems Inc.
Perficient, Inc.
Performant Financial Corporation
Progress Software Corporation
PTC Inc.
QAD Inc.
Qualys, Inc.
RCM Technologies, Inc.
RealPage, Inc.
Red Hat, Inc.
Robert Half International Inc.

SIC 70

Extended Stay America, Inc.
Hilton Worldwide Holdings Inc.
Hyatt Hotels Corporation
Marriott International, Inc.
Marriott Vacations Worldwide Corporation
The St. Joe Company

SIC 73

ABM Industries Incorporated
ACI Worldwide, Inc.
Activision Blizzard, Inc.
Adobe Inc.
Air Lease Corporation
Akamai Technologies, Inc.
Alphabet Inc.
American Software, Inc.
AMN Healthcare Services, Inc.
ANSYS, Inc.
ARC Document Solutions, Inc.
ASGN Incorporated
Aspen Technology, Inc.
Aware, Inc.
Barrett Business Services, Inc.

CSG Systems International, Inc.
CSP Inc.
Cynergistek, Inc.
DHI Group, Inc.
DXC Technology Company
eBay Inc.
Ebix, Inc.
Electronic Arts Inc.
Ellie Mae, Inc.
EPAM Systems, Inc.
Equifax Inc.
EVERTEC, Inc.
Evolving Systems, Inc.
F5 Networks, Inc.
Facebook, Inc.
FactSet Research Systems Inc.
Fair Isaac Corporation
Fidelity National Information Services, Inc.
Finjan Holdings, Inc.
Fiserv, Inc.
FleetCor Technologies, Inc.
Global Payments Inc.
GlobalSCAPE, Inc.
Green Dot Corporation
Grubhub Inc.
Guidewire Software, Inc.
HealthStream, Inc.
Heidrick & Struggles International, Inc.
IAC/InterActiveCorp
Information Services Group, Inc.

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

Rollins, Inc.
S&P Global Inc.
Sabre Corporation
salesforce.com, inc.
Science Applications
International Corporation
Shutterstock, Inc.
SilverSun Technologies,
Inc.
Sotheby's
SPAR Group, Inc.
SPS Commerce, Inc.
SS&C Technologies
Holdings, Inc.
Stamps.com Inc.
Sykes Enterprises,
Incorporated
Symantec Corporation
Synopsis, Inc.
Take-Two Interactive
Software, Inc.
TechTarget, Inc.
Teradata Corporation
The Interpublic Group of
Companies, Inc.
The Ultimate Software
Group, Inc.
Total System Services,
Inc.
Travelzoo
TriNet Group, Inc.
TripAdvisor, Inc.
TrueBlue, Inc.
TSR, Inc.
TTEC Holdings, Inc.
Tucows Inc.
Tyler Technologies, Inc.
United Rentals, Inc.
Veeva Systems Inc.
Verint Systems Inc.
Viad Corp
VirTra, Inc.
Virtusa Corporation
VMware, Inc.
WEX Inc.
Worldpay, Inc.
Yelp Inc.
Zix Corporation

SIC 736

AMN Healthcare Services,
Inc.
ASGN Incorporated
Barrett Business Services,
Inc.
Command Center, Inc.
Cross Country Healthcare,
Inc.
DHI Group, Inc.
Heidrick & Struggles
International, Inc.
Insperity, Inc.

Kelly Services, Inc.
Kforce Inc.
Korn Ferry
ManpowerGroup Inc.
Mastech Digital, Inc.
RCM Technologies, Inc.
Robert Half International
Inc.
TrueBlue, Inc.

SIC 7361

AMN Healthcare Services,
Inc.
DHI Group, Inc.
Heidrick & Struggles
International, Inc.
Korn Ferry
Mastech Digital, Inc.

SIC 7363

ASGN Incorporated
Barrett Business Services,
Inc.
Command Center, Inc.
Cross Country Healthcare,
Inc.
Insperity, Inc.
Kelly Services, Inc.
Kforce Inc.
ManpowerGroup Inc.
TrueBlue, Inc.

SIC 737

ACI Worldwide, Inc.
Activision Blizzard, Inc.
Adobe Inc.
Akamai Technologies, Inc.
Alphabet Inc.
American Software, Inc.
ANSYS, Inc.
Aspen Technology, Inc.
Aware, Inc.
Blackbaud, Inc.
Booking Holdings Inc.
Booz Allen Hamilton
Holding Corporation
Broadridge Financial
Solutions, Inc.
CACI International Inc
Cadence Design Systems,
Inc.
Cerner Corporation
Citrix Systems, Inc.
Cognizant Technology
Solutions Corporation
Commvault Systems, Inc.
Computer Programs and
Systems, Inc.
CoreLogic, Inc.
CoStar Group, Inc.

CSG Systems
International, Inc.
CSP Inc.
Cynergistek, Inc.
DXC Technology
Company
eBay Inc.
Ebix, Inc.
Electronic Arts Inc.
Ellie Mae, Inc.
EPAM Systems, Inc.
EVERTEC, Inc.
Evolving Systems, Inc.
F5 Networks, Inc.
Facebook, Inc.
FactSet Research
Systems Inc.
Fair Isaac Corporation
Fidelity National
Information Services, Inc.
Finjan Holdings, Inc.
Fiserv, Inc.
FleetCor Technologies,
Inc.
Global Payments Inc.
GlobalSCAPE, Inc.
Grubhub Inc.
Guidewire Software, Inc.
HealthStream, Inc.
IAC/InterActiveCorp
Information Services
Group, Inc.
International Business
Machines Corporation
Intuit Inc.
Inuvo, Inc.
Issuer Direct Corporation
j2 Global, Inc.
Jack Henry & Associates,
Inc.
Leidos Holdings, Inc.
LiveRamp Holdings, Inc.
LogMeIn, Inc.
MAM Software Group, Inc.
Manhattan Associates,
Inc.
ManTech International
Corporation
Medidata Solutions, Inc.
MercadoLibre, Inc.
Microsoft Corporation
MicroStrategy
Incorporated
Monotype Imaging
Holdings Inc.
Morningstar, Inc.
National Instruments
Corporation
Net 1 UEPS Technologies,
Inc.
NetScout Systems, Inc.
NextGen Healthcare, Inc.

Appendix A: Companies (Main Set) in Each Industry, by SIC Code

NIC Inc.
 Omnicell, Inc.
 Oracle Corporation
 Paycom Software, Inc.
 Pegasystems Inc.
 Perficient, Inc.
 Progress Software Corporation
 PTC Inc.
 QAD Inc.
 Qualys, Inc.
 RealPage, Inc.
 Red Hat, Inc.
 Sabre Corporation
 salesforce.com, inc.
 Science Applications International Corporation
 Shutterstock, Inc.
 SilverSun Technologies, Inc.
 SPS Commerce, Inc.
 SS&C Technologies Holdings, Inc.
 Stamps.com Inc.
 Sykes Enterprises, Incorporated
 Symantec Corporation
 Synopsys, Inc.
 Take-Two Interactive Software, Inc.
 TechTarget, Inc.
 Teradata Corporation
 The Ultimate Software Group, Inc.
 Travelzoo
 TriNet Group, Inc.
 TripAdvisor, Inc.
 TSR, Inc.
 Tucows Inc.
 Tyler Technologies, Inc.
 Veeva Systems Inc.
 Verint Systems Inc.
 VirTra, Inc.
 Virtusa Corporation
 VMware, Inc.
 WEX Inc.
 Worldpay, Inc.
 Yelp Inc.
 Zix Corporation

SIC 7372

Activision Blizzard, Inc.
 American Software, Inc.
 ANSYS, Inc.
 Aspen Technology, Inc.
 Aware, Inc.
 Cadence Design Systems, Inc.
 Citrix Systems, Inc.
 Ebix, Inc.
 Electronic Arts Inc.

Ellie Mae, Inc.
 EPAM Systems, Inc.
 Finjan Holdings, Inc.
 GlobalSCAPE, Inc.
 Guidewire Software, Inc.
 HealthStream, Inc.
 Intuit Inc.
 MicroStrategy Incorporated
 Monotype Imaging Holdings Inc.
 National Instruments Corporation
 NextGen Healthcare, Inc.
 Oracle Corporation
 Pegasystems Inc.
 PTC Inc.
 Qualys, Inc.
 RealPage, Inc.
 Red Hat, Inc.
 salesforce.com, inc.
 SS&C Technologies Holdings, Inc.
 Symantec Corporation
 Synopsys, Inc.
 Take-Two Interactive Software, Inc.
 The Ultimate Software Group, Inc.
 VirTra, Inc.

SIC 7373

Broadridge Financial Solutions, Inc.
 CACI International Inc
 Cerner Corporation
 Computer Programs and Systems, Inc.
 CSP Inc.
 F5 Networks, Inc.
 Fair Isaac Corporation
 Jack Henry & Associates, Inc.
 Leidos Holdings, Inc.
 Manhattan Associates, Inc.
 ManTech International Corporation
 NetScout Systems, Inc.
 Omnicell, Inc.
 Science Applications International Corporation
 Tyler Technologies, Inc.
 Verint Systems Inc.
 VMware, Inc.

SIC 7374

CoreLogic, Inc.
 CSG Systems International, Inc.
 Cynergistek, Inc.

Fidelity National Information Services, Inc.
 Fiserv, Inc.
 FleetCor Technologies, Inc.
 Global Payments Inc.
 Information Services Group, Inc.
 LiveRamp Holdings, Inc.
 Net 1 UEPS Technologies, Inc.
 Sykes Enterprises, Incorporated
 TriNet Group, Inc.
 WEX Inc.
 Worldpay, Inc.

SIC 738

ARC Document Solutions, Inc.
 Cass Information Systems, Inc.
 Collectors Universe, Inc.
 Green Dot Corporation
 KAR Auction Services, Inc.
 National Research Corporation
 Sotheby's
 SPAR Group, Inc.
 Total System Services, Inc.
 TTEC Holdings, Inc.
 Viad Corp

SIC 79

Bowl America Incorporated
 Boyd Gaming Corporation
 Canterbury Park Holding Corporation
 Cedar Fair, L.P.
 Century Casinos, Inc.
 Churchill Downs Incorporated
 Dover Downs Gaming & Entertainment, Inc.
 Dover Motorsports, Inc.
 International Speedway Corporation
 Las Vegas Sands Corp.
 MGM Resorts International
 Monarch Casino & Resort, Inc.
 Nevada Gold & Casinos, Inc.
 Six Flags Entertainment Corporation
 Speedway Motorsports, Inc.
 Vail Resorts, Inc.

Appendix B:

SIC Codes in which Companies (Main Set) are Included

Appendix B is a list of the SIC codes in which each of the companies in the Main Set of companies are included in the *2019 Valuation Handbook – U.S. Industry Cost of Capital* (data through March 2019).

Appendix B: SIC Codes in which Companies (Main Set) are Included

ACCO Brands Corporation	ACCO	2	27							Inc.									
Acme United Corporation	ACU	3	34	342						Community Bankers Trust Corporation									
Adams Resources & Energy, Inc.	AE	5	51	517	5172					ESXB	6	60	602						
Addus HomeCare Corporation	ADUS	8	80							Computer Programs and Systems, Inc.	CPSI	7	73	737	7373				
Air Lease Corporation	AL	7	73							Consolidated-Tomoka Land Co.	CTO	6	65	651					
Air Transport Services Group, Inc.	ATSG	4	45	451						Continental Building Products, Inc.	CBPX	3	32						
Albany International Corp.	AIN	2	22							Continental Resources, Inc.	CLR	1	13	131					
Alliance Resource Partners, L.P.	ARLP	1								CoStar Group, Inc.	CSGP	7	73	737					
Allison Transmission Holdings, Inc.	ALSN	3	37	371	3714					Covanta Holding Corporation	CVA	4	49	495					
Ally Financial Inc.	ALLY	6	61							Crown Holdings, Inc.	CCK	3	34						
Altra Industrial Motion Corp.	AIMC	3	35	356						CVR Energy, Inc.	CVI	2	29	291					
Ameresco, Inc.	AMRC	1	16							DCP Midstream, LP	DCP	1	13	131					
American National Insurance Company	ANAT	6	63	631						Delek US Holdings, Inc.	DK	2	29	291					
American Eagle Outfitters, Inc.	AEO	5	56							Diamond Hill Investment Group, Inc.	DHIL	6	62	628					
Amkor Technology, Inc.	AMKR	3	36	367	3674					Dick's Sporting Goods, Inc.	DKS	5	59	594					
Anworth Mortgage Asset Corporation	ANH	6	67	679	6798					Dillard's, Inc.	DDS	5	53						
Apollo Global Management, LLC	APO	6	62	628						Dollar General Corporation	DG	5	53	533					
Ares Commercial Real Estate Corporation	ACRE	6	67	679	6798					Dollar Tree, Inc.	DLTR	5	53	533					
Armstrong World Industries, Inc.	AWI	3	32							Donegal Group Inc.	DGICA	6	63	633					
Artisan Partners Asset Management Inc.	APAM	6	62	628						Douglas Dynamics, Inc.	PLOW	3	35	353					
Astronics Corporation	ATRO	3	36							Ellie Mae, Inc.	ELLI	7	73	737	7372				
Atrion Corporation	ATRI	3	38	384	3841					EMC Insurance Group Inc.	EMCI	6	63	633					
Autoliv, Inc.	ALV	3	37	371	3714					Empire State Realty Trust, Inc.	ESRT	6	67	679	6798				
Barrett Business Services, Inc.	BBSI	7	73	736	7363					EPAM Systems, Inc.	EPAM	7	73	737	7372				
Best Buy Co., Inc.	BBY	5	57							Equity LifeStyle Properties, Inc.	ELS	6	67	679	6798				
BGC Partners, Inc.	BGCP	6	62	621						Equity Residential	EQR	6	67	679	6798				
Big Lots, Inc.	BIG	5	53	533						Escalade, Incorporated	ESCA	3	39						
Bio-Rad Laboratories, Inc.	BIO	3	38	382	3826					Euronet Worldwide, Inc.	EEFT	6	60						
The Blackstone Group L.P.	BX	6	62	628						Extended Stay America, Inc.	STAY	7	70						
Bloomin' Brands, Inc.	BLMN	5	58		5812					Farmland Partners Inc.	FPI	6	67	679	6798				
Braemar Hotels & Resorts, Inc.	BHR	6	67	679	6798					FBL Financial Group, Inc.	FFG	6	63	631					
Brandywine Realty Trust	BDN	6	67	679	6798					Federal Agricultural Mortgage Corporation	AGM	6	61						
Bright Horizons Family Solutions Inc.	BFAM	8								FedNat Holding Company	FNHC	6	63	633					
Brucker Corporation	BRKR	3	38	382	3826					Fidelity National Financial, Inc.	FNF	6	63						
Buckeye Partners, L.P.	BPL	4	46							Finjan Holdings, Inc.	FNJN	7	73	737	7372				
Builders FirstSource, Inc.	BLDR	2	24							Five Below, Inc.	FIVE	5	53	533					
Burlington Stores, Inc.	BURL	5	56							FRP Holdings, Inc.	FRPH	6	65	651					
BWX Technologies, Inc.	BWXT	3	35	355	3559					FS KKR Capital Corp.	FSK	6	67	679					
Carriage Services, Inc.	CSV	7								Generac Holdings Inc.	GNRC	3	36	362	3621				
Cass Information Systems, Inc.	CASS	7	73	738						Genesis Energy, L.P.	GEL	5	51	517	5172				
CDW Corporation	CDW	5	50	504	5045					GP Strategies Corporation	GPX	8	82						
Cedar Fair, L.P.	FUN	7	79	799						W. R. Grace & Co.	GRA	2	28	281					
Chesapeake Utilities Corporation	CPK	4	49	492						Graham Holdings Company	GHC	8	82						
The Children's Place, Inc.	PLCE	5	56							Grand Canyon Education, Inc.	LOPE	8	82						
CIT Group Inc.	CIT	6	61							Grubhub Inc.	GRUB	7	73	737					
Citi Trends, Inc.	CTRN	5	56	565						H&E Equipment Services, Inc.	HEES	5	50	508					
City Office REIT, Inc.	CIO	6	67	679	6798					The Hackett Group, Inc.	HCKT	8	87	874	8742				
Clearwater Paper Corporation	CLW	2	26	262						Hallmark Financial Services, Inc.	HALL	6	63	633					
Cohen & Steers, Inc.	CNS	6	62	628						Health Insurance Innovations, Inc.	HIIQ	6	64						
Colfax Corporation	CFX	3	35							Healthcare Trust of America, Inc.	HTA	6	67	679	6798				
Columbia Sportswear Company	COLM	2	23							Hemisphere Media Group, Inc.	HMTV	4	48	483	4833				
CommScope Holding Company,	COMM	3	36	366	3663					Heritage-Crystal Clean, Inc	HCCI	4	49	495					

Appendix B: SIC Codes in which Companies (Main Set) are Included

The Howard Hughes Corporation	HHC	6	65		
Hudson Pacific Properties, Inc.	HPP	6	67	679	6798
Huttig Building Products, Inc.	HBP	5	50		
Hyatt Hotels Corporation	H	7	70		
IAC/InterActiveCorp	IAC	7	73	737	
Independence Holding Company	IHC	6	63	632	
Investors Title Company	ITIC	6	63		
Kadant Inc.	KAI	3	35	355	
KAR Auction Services, Inc.	KAR	7	73	738	
Kforce Inc.	KFRC	7	73	736	7363
Kingstone Companies, Inc.	KINS	6	63	633	
KKR & Co. Inc.	KKR	6	62	628	
Knight-Swift Transportation Holdings Inc.	KNX	4	42		4213
Knoll, Inc.	KNL	2	25	252	
Kohl's Corporation	KSS	5	53		
The Kroger Co.	KR	5	54	541	5411
Ladder Capital Corp	LADR	6	67	679	6798
Las Vegas Sands Corp.	LVS	7	79	799	
Lawson Products, Inc.	LAWS	5	50		
Lexington Realty Trust	LXP	6	67	679	6798
Liberty Property Trust	LPT	6	67	679	6798
Lowe's Companies, Inc.	LOW	5			
LPL Financial Holdings Inc.	LPLA	6	62	621	
Macquarie Infrastructure Corporation	MIC	4	45		
Macy's, Inc.	M	5	53		
Magellan Health, Inc.	MGLN	8	87	874	
Magellan Midstream Partners, L.P.	MMP	4	46		
Main Street Capital Corporation	MAIN	6	67	679	
Markel Corporation	MKL	6	63	633	
Marlin Business Services Corp.	MRLN	6	61		
Maui Land & Pineapple Company, Inc.	MLP	6	65		
McGrath RentCorp	MGRC	7	73		
MercadoLibre, Inc.	MELI	7	73	737	
Mistras Group, Inc.	MG	8	87	871	
Moelis & Company	MC	6	62	628	
Monarch Casino & Resort, Inc.	MCRI	7	79	799	
Mr. Cooper Group Inc.	COOP	6	61	616	6162
National HealthCare Corporation	NHC	8	80		
National Presto Industries, Inc.	NPK	3	34		
Natural Gas Services Group, Inc.	NGS	3	35	353	
Natural Health Trends Corp.	NHTC	5	51	512	
Nature's Sunshine Products, Inc.	NATR	2	28	283	2834
New Residential Investment Corp.	NRZ	6	67	679	6798
Newmont Mining Corporation	NEM	1	10		
Newtek Business Services Corp.	NEWT	6	67	679	
Nordstrom, Inc.	JWN	5	56	565	
NuStar Energy L.P.	NS	2	29	291	
NV5 Global, Inc.	NVEE	8	87	871	
Oaktree Capital Group, LLC	OAK	6	62	628	
Oceaneering International, Inc.	OII	1	13		
OFS Capital Corporation	OFS	6	67	679	
ON Semiconductor Corporation	ON	3	36	367	3674
OneMain Holdings, Inc.	OMF	6	61	614	
OneSpan Inc.	OSPN	3	36	366	
Ormat Technologies, Inc.	ORA	4	49	491	
Outfront Media Inc.	OUT	6	67	679	6798
P.A.M. Transportation Services, Inc.	PTSI	4	42		4213
Park-Ohio Holdings Corp.	PKOH	5	50		
Pattern Energy Group Inc.	PEGI	4	49		
Paycom Software, Inc.	PAYC	7	73	737	
Pegasystems Inc.	PEGA	7	73	737	7372
PennyMac Financial Services, Inc.	PFSI	6	61	616	6162
Penske Automotive Group, Inc.	PAG	5	55		
Phillips 66 Partners LP	PSXP	4	46		
Physicians Realty Trust	DOC	6	67	679	6798
Piedmont Office Realty Trust, Inc.	PDM	6	67	679	6798
PRGX Global, Inc.	PRGX	8	87		
Protective Insurance Corp.	PTVCB	6	63	633	
PVH Corp.	PVH	2	23		
QAD Inc.	QADA	7	73	737	
Quidel Corporation	QDEL	2	28	283	2835
Raven Industries, Inc.	RAVN	3	30	308	
RE/MAX Holdings, Inc.	RMAX	6	65	653	
RealPage, Inc.	RP	7	73	737	7372
Red Hat, Inc.	RHT	7	73	737	7372
Regional Management Corp.	RM	6	61	614	
REX American Resources Corporation	REX	2	28	286	
Rexford Industrial Realty, Inc.	REXR	6	67	679	6798
RLJ Lodging Trust	RLJ	6	67	679	6798
Ross Stores, Inc.	ROST	5	56	565	
RPC, Inc.	RES	1	13		
Rush Enterprises, Inc.	RUSHA	5	55		
Santander Consumer USA Holdings Inc.	SC	6	61	614	
Semtech Corporation	SMTC	3	36	367	3674
Shoe Carnival, Inc.	SCVL	5	56		
Southern Copper Corporation	SCCO	1	10		
SP Plus Corporation	SP	7			
Spartan Motors, Inc.	SPAR	3	37	371	3711
Spirit Realty Capital, Inc.	SRC	6	67	679	6798
SS&C Technologies Holdings, Inc.	SSNC	7	73	737	7372
The St. Joe Company	JOE	7	70		
Starwood Property Trust, Inc.	STWD	6	67	679	6798
State Auto Financial Corporation	STFC	6	63	633	
Steelcase Inc.	SCS	2	25	252	
Stellus Capital Investment Corporation	SCM	6	67	679	
Stoneridge, Inc.	SRI	3	36	367	
Sun Communities, Inc.	SUI	6	67	679	6798
Sunoco LP	SUN	5	51	517	5172
Sunstone Hotel Investors, Inc.	SHO	6	67	679	6798
Taylor Morrison Home Corporation	TMHC	1	15		
TC PipeLines, LP	TCP	6	67	679	
Tempur Sealy International, Inc.	TPX	2	25	251	
Texas Pacific Land Trust	TPL	6	67	679	
Tilly's, Inc.	TLYS	5	56		
Tower International, Inc.	TOWR	3	37	371	3711
Travelzoo	TZOO	7	73	737	

Appendix B: SIC Codes in which Companies (Main Set) are Included

Trecora Resources	TREC	2	29	291	
Tucows Inc.	TCX	7	73	737	
U.S. Physical Therapy, Inc.	USPH	8	80		
Ulta Beauty, Inc.	ULTA	5	59		
Ultra Clean Holdings, Inc.	UCTT	3	36	367	3674
United Insurance Holdings Corp.	UIHC	6	63	633	
Universal Electronics Inc.	UEIC	3	36		
USA Truck, Inc.	USAK	4	42		4213
USG Corporation	USG	3	32		
Valhi, Inc.	VHI	2	28	281	
Vector Group Ltd.	VGR	6	65	653	
Veeva Systems Inc.	VEEV	7	73	737	
Vera Bradley, Inc.	VRA	3			
Vishay Precision Group, Inc.	VPG	3	36	367	3674
VMware, Inc.	VMW	7	73	737	7373
Voya Financial, Inc.	VOYA	6	63	631	
WABCO Holdings Inc.	WBC	3	37	371	3714
Walmart Inc.	WMT	5	53	533	
Washington Real Estate Investment Trust	WRE	6	67	679	6798
Weis Markets, Inc.	WMK	5	54	541	5411
WESCO International, Inc.	WCC	5	50	506	
Westlake Chemical Corporation	WLK	2	28	286	
Westwood Holdings Group, Inc.	WHG	6	62	628	
Weyco Group, Inc.	WEYS	5	51		
WhiteHorse Finance, Inc.	WHF	6	67	679	
Whitestone REIT	WSR	6	67	679	6798
Williams-Sonoma, Inc.	WSM	5	59	596	
Winmark Corporation	WINA	6	67	679	6794
The York Water Company	YORW	4	49	494	
ZAGG Inc	ZAGG	2	26		
Zix Corporation	ZIXI	7	73	737	
Zumiez Inc.	ZUMZ	5	56	565	
1347 Property Insurance Holdings, Inc.	PIH	6	63	633	
1st Constitution Bancorp	FCCY	6	60	602	
1st Source Corporation	SRCE	6	60	602	
AAON, Inc.	AAON	3	35		
AbbVie Inc.	ABBV	2	28	283	2836
ABIOMED, Inc.	ABMD	3	38	384	3841
Acadia Healthcare Company, Inc.	ACHC	8	80		
Acadia Realty Trust	AKR	6	67	679	6798
ACI Worldwide, Inc.	ACIW	7	73	737	
ACNB Corporation	ACNB	6	60	602	
Acuity Brands, Inc.	AYI	3	36		
Adobe Inc.	ADBE	7	73	737	
Adtalem Global Education Inc.	ATGE	8	82		
Advance Auto Parts, Inc.	AAP	5	55		
Advanced Energy Industries, Inc.	AEIS	3	36	367	
AeroVironment, Inc.	AVAV	3	37		
The AES Corporation	AES	4	49		
Affiliated Managers Group, Inc.	AMG	6	62	628	
Aflac Incorporated	AFL	6	63	632	
AGCO Corporation	AGCO	3	35		
Agree Realty Corporation	ADC	6	67	679	6798
Akamai Technologies, Inc.	AKAM	7	73	737	
Alamo Group Inc.	ALG	3	35		
Alaska Air Group, Inc.	ALK	4	45	451	
Alaska Communications Systems Group, Inc.	ALSK	4	48	481	4813
Albemarle Corporation	ALB	2	28		
Alexander's, Inc.	ALX	6	67	679	6798
Alexandria Real Estate Equities, Inc.	ARE	6	67	679	6798
Alexion Pharmaceuticals, Inc.	ALXN	2	28	283	2836
Align Technology, Inc.	ALGN	3	38	384	
Alleghany Corporation	Y	6	63	633	
Allegiant Travel Company	ALGT	4	45	451	
AllianceBernstein Holding L.P.	AB	6	67	679	
Alliant Energy Corporation	LNT	4	49	493	
Allied Motion Technologies Inc.	AMOT	3	36	362	3621
The Allstate Corporation	ALL	6	63	633	
Altisource Asset Management Corporation	AAMC	6	65		
AMC Networks Inc.	AMCX	4	48	483	4833
AMCON Distributing Company	DIT	5	51		
Amedisys, Inc.	AMED	8	80		
Ameren Corporation	AEE	4	49	493	
America First Multifamily Investors, L.P.	ATAX	6			
American Airlines Group Inc.	AAL	4	45	451	
American Assets Trust, Inc.	AAT	6	67	679	6798
American Axle & Manufacturing Holdings, Inc.	AXL	3	37	371	3714
American Campus Communities, Inc.	ACC	6	67	679	6798
American Electric Power Company, Inc.	AEP	4	49		
American Equity Investment Life Holding Company	AEL	6	63	631	
American Financial Group, Inc.	AFG	6	63		
American International Group, Inc.	AIG	6	63		
American National Bankshares Inc.	AMNB	6	60	602	
American Outdoor Brands Corporation	AOBC	3			
American Public Education, Inc.	APEI	8	82		
American River Bankshares	AMRB	6	60	602	
American Shared Hospital Services	AMS	8	80	809	
American Software, Inc.	AMSWA	7	73	737	7372
American States Water Company	AWR	4	49	494	
American Vanguard Corporation	AVD	2	28	287	
American Water Works Company, Inc.	AWK	4	49	494	
American Woodmark Corporation	AMWD	2	24		
AmeriGas Partners, L.P.	APU	5	59		
Ameriprise Financial, Inc.	AMP	6	62	621	
Ameris Bancorp	ABCB	6	60	602	
Amerisafe, Inc.	AMSF	6	63	633	
AmeriServ Financial, Inc.	ASRV	6	60	602	
Ames National Corporation	ATLO	6	60	602	
AMETEK, Inc.	AME	3			
Amgen Inc.	AMGN	2	28	283	2836
AMN Healthcare Services, Inc.	AMN	7	73	736	7361
Amphenol Corporation	APH	3	36	367	
Analog Devices, Inc.	ADI	3	36	367	3674
ANI Pharmaceuticals, Inc.	ANIP	2	28	283	2834

Appendix B: SIC Codes in which Companies (Main Set) are Included

Anika Therapeutics, Inc.	ANIK	2	28	283	2836	Bank of Commerce Holdings	BOCH	6	60	602	
Anixter International Inc.	AXE	5	50	506		Bank of Hawaii Corporation	BOH	6	60	602	
Annaly Capital Management, Inc.	NLY	6	67	679	6798	Bank of Marin Bancorp	BMRC	6	60	602	
ANSYS, Inc.	ANSS	7	73	737	7372	The Bank of New York Mellon Corporation	BK	6	60	602	
Anthem, Inc.	ANTM	6	63	632	6324	Bank of the James Financial Group, Inc.	BOTJ	6	60	602	
Apartment Investment and Management Company	AIV	6	67	679	6798	Bank OZK	OZK	6	60	602	
Apollo Commercial Real Estate Finance, Inc.	ARI	6	67	679	6798	Bank of South Carolina Corporation	BKSC	6	60	602	
Apollo Investment Corporation	AINV	6	67	679		BankFinancial Corporation	BFIN	6	60	602	
Apple Inc.	AAPL	3	36	366	3663	BankUnited, Inc.	BKU	6	60	602	
Appliance Recycling Centers of America, Inc.	ARCI	4	49	495		Bankwell Financial Group, Inc.	BWFG	6	60	602	
Applied Industrial Technologies, Inc.	AIT	5	50	508		Banner Corporation	BANR	6	60	602	
Applied Materials, Inc.	AMAT	3	35	355	3559	Bar Harbor Bankshares	BHB	6	60	602	
Applied Optoelectronics, Inc.	AAOI	3	36	367	3674	Barings BDC, Inc.	BBDC	6	67	679	
AptarGroup, Inc.	ATR	3	30	308		Barnes Group Inc.	B	3			
Arbor Realty Trust, Inc.	ABR	6				Baxter International Inc.	BAX	2	28	283	2834
ARC Document Solutions, Inc.	ARC	7	73	738		BayCom Corp	BCML	6	60	602	
Ares Capital Corporation	ARCC	6	67	679		BB&T Corporation	BBT	6	60	602	
Ark Restaurants Corp.	ARKR	5	58		5812	BBX Capital Corporation	BBX	6	60	603	6035
Armada Hoffer Properties, Inc.	AHH	6	67	679	6798	BCB Bancorp, Inc.	BCBP	6	60	602	
Arotech Corporation	ARTX	3	36	369		Beacon Roofing Supply, Inc.	BECN	5	50		
Arrow Electronics, Inc.	ARW	5	50			Beasley Broadcast Group, Inc.	BBGI	4	48	483	4832
Arrow Financial Corporation	AROW	6	60	602		Beazer Homes USA, Inc.	BZH	1	15		
Artesian Resources Corporation	ARTNA	4	49	494		Becton, Dickinson and Company	BDX	3	38	384	3841
Arthur J. Gallagher & Co.	AJG	6	64			Bed Bath & Beyond Inc.	BBBY	5	57		
Asbury Automotive Group, Inc.	ABG	5	55			Belden Inc.	BDC	3	36	367	
ASGN Incorporated	ASGN	7	73	736	7363	Bemis Company, Inc.	BMS	2	26		
Ashland Global Holdings Inc.	ASH	2	28			Benchmark Electronics, Inc.	BHE	3	36	367	3672
Aspen Technology, Inc.	AZPN	7	73	737	7372	W. R. Berkley Corporation	WRB	6	63	633	
Associated Banc-Corp	ASB	6	60	602		Berkshire Hills Bancorp, Inc.	BHLB	6	60	602	
Assurant, Inc.	AIZ	6	63			BG Staffing, Inc.	BGSF	7	73		
AstroNova, Inc.	ALOT	3				Big 5 Sporting Goods Corporation	BGFV	5	59	594	
Atlantic American Corporation	AAME	6	63			Biogen Inc.	BIIB	2	28	283	2836
Atmos Energy Corporation	ATO	4	49	492	4924	BioSpecifics Technologies Corp.	BSTC	2	28	283	2834
ATN International, Inc.	ATNI	4	48	481		BioTelemetry, Inc.	BEAT	8	80	809	
Auburn National Bancorporation, Inc.	AUBN	6	60	602		BJ's Restaurants, Inc.	BJRI	5	58		5812
AutoNation, Inc.	AN	5	55			BK Technologies Corporation	BKTI	3	36	366	3663
AvalonBay Communities, Inc.	AVB	6	67	679	6798	Blackbaud, Inc.	BLKB	7	73	737	
Avery Dennison Corporation	AVY	2	26			BlackRock Capital Investment Corporation	BKCC	6	67	679	
Avnet, Inc.	AVT	5	50	506		BlackRock, Inc.	BLK	6	62	628	
AVX Corporation	AVX	3	36	367		BlackRock TCP Capital Corp.	TCPC	6	67	679	
Aware, Inc.	AWRE	7	73	737	7372	Blackstone Mortgage Trust, Inc.	BXMT	6	67	679	6798
Axcelis Technologies, Inc.	ACLS	3	35	355	3559	H&R Block, Inc.	HRB	7			
Axon Enterprise, Inc.	AAXN	3	34			BlueLinux Holdings Inc.	BXC	5	50		
Axos Financial, Inc.	AX	6	60	603	6035	BOK Financial Corporation	BOKF	6	60	602	
AZZ Inc.	AZZ	3				Booking Holdings Inc.	BKNG	7	73	737	
B&G Foods, Inc.	BGS	2	20			Booz Allen Hamilton Holding Corporation	BAH	7	73	737	
Badger Meter, Inc.	BMI	3	38	382		BorgWarner Inc.	BWA	3	37	371	3714
Balchem Corporation	BCPC	2	28	283	2834	The Boston Beer Company, Inc.	SAM	2	20	208	
Ball Corporation	BLL	3	34			Boston Private Financial Holdings, Inc.	BPFH	6	60	602	
Banc of California, Inc.	BANC	6	60	603	6035	Boston Properties, Inc.	BXP	6	67	679	6798
BancFirst Corporation	BANF	6	60	602		Boston Scientific Corporation	BSX	3	38	384	
Bancorp Of New Jersey, Inc.	BKJ	6	60	602		Bowl America Incorporated	BWL.A	7	79		
BancorpSouth Bank	BXS	6	60	602		Boyd Gaming Corporation	BYD	7	79	799	
Bank First National Corporation	BFC	6	60	602							
Bank of America Corporation	BAC	6	60	602							

Appendix B: SIC Codes in which Companies (Main Set) are Included

BP Prudhoe Bay Royalty Trust	BPT	6	67	679		Central Pacific Financial Corp.	CPF	6	60	602	
Brady Corporation	BRC	3	39			Central Valley Community Bancorp	CVCY	6	60	602	
Bridge Bancorp, Inc.	BDGE	6	60	602		Century Bancorp, Inc.	CNBKA	6	60	602	
Bridgford Foods Corporation	BRID	2	20	201		Century Casinos, Inc.	CNTY	7	79	799	
Briggs & Stratton Corporation	BGG	3	35			CenturyLink, Inc.	CTL	4	48	481	4813
Brinker International, Inc.	EAT	5	58		5812	Cerner Corporation	CERN	7	73	737	7373
Bristol-Myers Squibb Company	BMJ	2	28	283	2834	CEVA, Inc.	CEVA	6	67	679	6794
Brixmor Property Group Inc.	BRX	6	67	679	6798	CF Industries Holdings, Inc.	CF	2	28	287	
Broadcom Inc.	AVGO	3	36	367	3674	Charter Communications, Inc.	CHTR	4	48		
Broadridge Financial Solutions, Inc.	BR	7	73	737	7373	Chase Corporation	CCF	2	28	289	
Broadway Financial Corporation	BYFC	6	60	603	6035	Chatham Lodging Trust	CLDT	6	67	679	6798
Brookline Bancorp, Inc.	BRKL	6	60	603	6035	The Chefs' Warehouse, Inc.	CHEF	5	51	514	
Brown & Brown, Inc.	BRO	6	64			Chemical Financial Corporation	CHFC	6	60	602	
Brown-Forman Corporation	BF.B	2	20	208		Chemung Financial Corporation	CHMG	6	60	602	
BRT Apartments Corp.	BRT	6	67	679	6798	Cheniere Energy Partners, L.P.	CQP	5	51	517	
Brunswick Corporation	BC	3				Chesapeake Lodging Trust	CHSP	6	67	679	6798
Bryn Mawr Bank Corporation	BMTC	6	60	602		Chicago Rivet & Machine Co.	CVR	3	34		
BSB Bancorp, Inc.	BLMT	6	60	603	6035	Chico's FAS, Inc.	CHS	5	56		
C&F Financial Corporation	CFFI	6	60	602		China Automotive Systems, Inc.	CAAS	3	37	371	3714
Cabot Corporation	CBT	2	28	289		China HGS Real Estate Inc.	HGSH	6	65		
Cabot Microelectronics Corporation	CCMP	2	28	289		Chipotle Mexican Grill, Inc.	CMG	5	58		5812
Cabot Oil & Gas Corporation	COG	1	13	131		Church & Dwight Co., Inc.	CHD	2	28	284	
CACI International Inc	CACI	7	73	737	7373	Chuy's Holdings, Inc.	CHUY	5	58		5812
Cadence Design Systems, Inc.	CDNS	7	73	737	7372	Cincinnati Financial Corporation	CINF	6	63	633	
CalAmp Corp.	CAMP	3	36	366	3663	Cinemark Holdings, Inc.	CNK	7			
California Water Service Group	CWT	4	49	494		Ciner Resources LP	CINR	1	14		
Callaway Golf Company	ELY	3	39			CIRCOR International, Inc.	CIR	3			
Callon Petroleum Company	CPE	1	13	131		Cirrus Logic, Inc.	CRUS	3	36	367	3674
Cal-Maine Foods, Inc.	CALM	2	20			Cisco Systems, Inc.	CSCO	3	35	357	
Cambrex Corporation	CBM	2	28	283		Citigroup Inc.	C	6			
Cambridge Bancorp	CATC	6	60	602		Citizens & Northern Corporation	CZNC	6	60	602	
Camden National Corporation	CAC	6	60	602		Citizens Community Bancorp, Inc.	CZWI	6	60	602	
Camden Property Trust	CPT	6	67	679	6798	Citizens First Corporation	CZFC	6	60	602	
Campbell Soup Company	CPB	2	20			Citizens Holding Company	CIZN	6	60	602	
Cantel Medical Corp.	CMD	3	38	384		Citrix Systems, Inc.	CTXS	7	73	737	7372
Capital City Bank Group, Inc.	CCBG	6	60	602		City Holding Company	CHCO	6	60	602	
Capital One Financial Corporation	COF	6				Civista Bancshares, Inc.	CIVB	6	60	602	
Capital Southwest Corporation	CSWC	6	67	679		Clearfield, Inc.	CLFD	3	36	367	
Capitala Finance Corp.	CPTA	6	67	679		ClearOne, Inc.	CLRO	3	36	366	3663
Capitol Federal Financial, Inc.	CFFN	6	60	603	6035	Clearway Energy, Inc.	CWEN	4	49	491	
The Carlyle Group L.P.	CG	6	62	628		The Clorox Company	CLX	2			
Carolina Financial Corporation	CARO	6	60	602		CM Finance Inc.	CMFN	6	67	679	
Carolina Trust BancShares, Inc.	CART	6	60	602		CME Group Inc.	CME	6	62		
Carpenter Technology Corporation	CRS	3	33	331		CMS Energy Corporation	CMS	4	49		
Carter Bank & Trust	CARE	6	60	602		CNA Financial Corporation	CNA	6	63	633	
Carter's, Inc.	CRI	2	23			CNB Financial Corporation	CCNE	6	60	602	
Casey's General Stores, Inc.	CASY	5	54	541		CNO Financial Group, Inc.	CNO	6	63	632	
Cathay General Bancorp	CATY	6	60	602		The Coca-Cola Company	KO	2	20	208	
CB Financial Services, Inc.	CBFV	6	60	602		Coda Octopus Group, Inc.	CODA	3	38		
CBRE Group, Inc.	CBRE	6	65			Codorus Valley Bancorp, Inc.	CVLY	6	60	602	
Celanese Corporation	CE	2	28			Coffee Holding Co., Inc.	JVA	5	51	514	
Celgene Corporation	CELG	2	28	283	2834	Cogent Communications Holdings, Inc.	CCOI	4	48	481	4813
Cemtrex, Inc.	CETX	3				Cognex Corporation	CGNX	3	38	382	
Centene Corporation	CNC	6	63	632	6324	Cognizant Technology Solutions Corporation	CTSH	7	73	737	
CenterState Bank Corporation	CSFL	6	60	602		Coherent, Inc.	COHR	3	38	382	3826
Central Federal Corporation	CFBK	6	60	603	6035	Cohu, Inc.	COHU	3	38	382	3825
Central Garden & Pet Company	CENTA	5	51			Colgate-Palmolive Company	CL	2	28	284	

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Collectors Universe, Inc.	CLCT	7	73	738		CrossAmerica Partners LP	CAPL	5	51	517	5172
Colony Bankcorp, Inc.	CBAN	6	60	602		Crown Castle International Corp. (REIT)	CCI	6	67	679	6798
Columbia Banking System, Inc.	COLB	6	60	602		Crown Crafts, Inc.	CRWS	2	22		
Columbia Property Trust, Inc.	CXP	6	67	679	6798	CSG Systems International, Inc.	CSGS	7	73	737	7374
Columbus McKinnon Corporation	CMCO	3	35	353		CSS Industries, Inc.	CSS	2	26		
Comerica Incorporated	CMA	6	60	602		CSX Corporation	CSX	4	40		
Comfort Systems USA, Inc.	FIX	1				CTI Industries Corporation	CTIB	3	30		
Command Center, Inc.	CCNI	7	73	736	7363	CTS Corporation	CTS	3	36	367	
Commerce Bancshares, Inc.	CBSH	6	60	602		CubeSmart	CUBE	6	67	679	6798
Commercial Vehicle Group, Inc.	CVGI	3	37	371	3714	Cubic Corporation	CUB	3			
Community Bank System, Inc.	CBU	6	60	602		Cullen/Frost Bankers, Inc.	CFR	6	60	602	
The Community Financial Corporation	TCFC	6	60	602		Culp, Inc.	CULP	2	22		
Community Trust Bancorp, Inc.	CTBI	6	60	602		Customers Bancorp, Inc.	CUBI	6	60	602	
Community West Bancshares	CWBC	6	60	602		CVB Financial Corp.	CVBF	6	60	602	
Commvault Systems, Inc.	CVLT	7	73	737		CVD Equipment Corporation	CVV	3	35	355	3559
Compass Minerals International, Inc.	CMP	1	14			CVR Partners, LP	UAN	2	28	287	
CompX International Inc.	CIX	3	34	342		Cynergistek, Inc.	CTEK	7	73	737	7374
Comtech Telecommunications Corp.	CMTL	3	36	366	3663	Daktronics, Inc.	DAKT	3	39		
CONMED Corporation	CNMD	3	38	384	3845	Dana Incorporated	DAN	3	37	371	3714
ConnectOne Bancorp, Inc.	CNOB	6	60	602		Danaher Corporation	DHR	3	38		
Consolidated Communications Holdings, Inc.	CNSL	4	48	481	4813	Darden Restaurants, Inc.	DRI	5	58		5812
Consolidated Edison, Inc.	ED	4	49			Darling Ingredients Inc.	DAR	2	20		
Constellation Brands, Inc.	STZ	2	20	208		Data I/O Corporation	DAIO	3	38	382	3825
Continental Materials Corporation	CUO	3				Del Frisco's Restaurant Group, Inc.	DFRG	5	58		5812
Control4 Corporation	CTRL	3	38	382		Delta Apparel, Inc.	DLA	2	23		
The Cooper Companies, Inc.	COO	3	38			Deluxe Corporation	DLX	2	27		
Cooper Tire & Rubber Company	CTB	3	30			Denny's Corporation	DENN	5	58		5812
Cooper-Standard Holdings Inc.	CPS	3	37	371	3714	DHI Group, Inc.	DHX	7	73	736	7361
Copart, Inc.	CPRT	5	50			Diamondback Energy, Inc.	FANG	1	13	131	
Corcept Therapeutics Incorporated	CORT	2	28	283	2834	DiamondRock Hospitality Company	DRH	6	67	679	6798
Core-Mark Holding Company, Inc.	CORE	5	51			Digi International Inc.	DGII	3	35	357	
Core Molding Technologies, Inc.	CMT	3	30	308		Digital Realty Trust, Inc.	DLR	6	67	679	6798
CoreCivic, Inc.	CXW	6	67	679	6798	Dime Community Bancshares, Inc.	DCOM	6	60	603	6035
CoreLogic, Inc.	CLGX	7	73	737	7374	Diodes Incorporated	DIOD	3	36	367	3674
CorEnergy Infrastructure Trust, Inc.	CORR	6	67	679	6798	Discover Financial Services	DFS	6	61	614	
CoreSite Realty Corporation	COR	6	67	679	6798	DISH Network Corporation	DISH	4	48		
Corning Incorporated	GLW	3				DLH Holdings Corp.	DLHC	8	80	809	
Corporate Office Properties Trust	OFC	6	67	679	6798	DNB Financial Corporation	DNBF	6	60	602	
Cortland Bancorp	CLDB	6	60	602		Dolby Laboratories, Inc.	DLB	6	67	679	6794
CorVel Corporation	CRVL	6	64			Dominion Energy, Inc.	D	4	49		
Costco Wholesale Corporation	COST	5	53			Donaldson Company, Inc.	DCI	3			
Cousins Properties Incorporated	CUZ	6	67	679	6798	Dorchester Minerals, L.P.	DMLP	6	67	679	
Covenant Transportation Group, Inc.	CVTI	4	42		4213	Dorman Products, Inc.	DORM	3	37	371	3714
Cowen Inc.	COWN	6	62	628		Douglas Emmett, Inc.	DEI	6	67	679	6798
CPS Technologies Corporation	CPSH	3	32			Dover Corporation	DOV	3	35		
CRA International, Inc.	CRAI	8				Dover Downs Gaming & Entertainment, Inc.	DDE	7	79	799	
Cracker Barrel Old Country Store, Inc.	CBRL	5	58		5812	Dover Motorsports, Inc.	DVD	7	79		
Crane Co.	CR	3				Dril-Quip, Inc.	DRQ	3	35	353	
Crawford & Company	CRD.A	6	64			DTE Energy Company	DTE	4	49	493	
Credit Acceptance Corporation	CACC	6	61	614		Ducommun Incorporated	DCO	3	37		
Cross Timbers Royalty Trust	CRT	6	67	679		Duke Realty Corporation	DRE	6	67	679	6798
						Dunkin' Brands Group, Inc.	DNKN	5	58		5812
						DXC Technology Company	DXC	7	73	737	
						Dycom Industries, Inc.	DY	1	16	162	
						Dynasil Corporation of America	DYSL	3	38	382	
						E*TRADE Financial Corporation	ETFC	6	62	621	

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Eagle Bancorp, Inc.	EGBN	6	60	602	
Eagle Bancorp Montana, Inc.	EBMT	6	60	603	6035
Eagle Pharmaceuticals, Inc.	EGRX	2	28	283	2834
East West Bancorp, Inc.	EWBC	6	60	602	
The Eastern Company	EML	3	34	342	
EastGroup Properties, Inc.	EGP	6	67	679	6798
Eastman Chemical Company	EMN	2	28		
Eaton Vance Corp.	EV	6	62	628	
eBay Inc.	EBAY	7	73	737	
Ebix, Inc.	EBIX	7	73	737	7372
Echo Global Logistics, Inc.	ECHO	4	47	473	
Edison International	EIX	4	49	491	
Educational Development Corporation	EDUC	5	51		
Edwards Lifesciences Corporation	EW	3	38	384	3842
El Paso Electric Company	EE	4	49	491	
Electromed, Inc.	ELMD	3	38	384	3845
Electronic Arts Inc.	EA	7	73	737	7372
Electro-Sensors, Inc.	ELSE	3	38	382	
Elmira Savings Bank	ESBK	6	60	603	6035
Emclaire Financial Corp	EMCF	6	60	602	
Emergent BioSolutions Inc.	EBS	2	28	283	2836
Emerson Electric Co.	EMR	3			
Employers Holdings, Inc.	EIG	6	63	633	
Enable Midstream Partners, LP	ENBL	4	49	492	
Enanta Pharmaceuticals, Inc.	ENTA	2	28	283	2836
Encompass Health Corporation	EHC	8	80		
Encore Capital Group, Inc.	ECPG	6	61		
Encore Wire Corporation	WIRE	3	33		
EnerSys	ENS	3	36	369	
Ennis, Inc.	EBF	2	27		
EnPro Industries, Inc.	NPO	3			
The Ensign Group, Inc.	ENSG	8	80		
Entegris, Inc.	ENTG	3	35	355	3559
Entercom Communications Corp.	ETM	4	48	483	4832
Entergy Corporation	ETR	4	49	491	
Enterprise Bancorp, Inc.	EBTC	6	60	602	
Enterprise Financial Services Corp	EFSC	6	60	602	
EOG Resources, Inc.	EOG	1	13	131	
EPR Properties	EPR	6	67	679	6798
EQM Midstream Partners, LP	EQM	4	49	492	
Equifax Inc.	EFX	7	73		
Equinix, Inc. (REIT)	EQIX	6	67	679	6798
Equity Commonwealth	EQC	6	67	679	6798
Era Group Inc.	ERA	4	45		
Erie Indemnity Company	ERIE	6	64		
ESCO Technologies Inc.	ESE	3			
Espey Mfg. & Electronics Corp.	ESP	3	36	367	
ESSA Bancorp, Inc.	ESSA	6	60	603	6036
Essex Property Trust, Inc.	ESS	6	67	679	6798
Ethan Allen Interiors Inc.	ETH	2	25	251	
Evans Bancorp, Inc.	EVBN	6	60	602	
Evercore Inc.	EVR	6	62		
Ever-Glory International Group, Inc.	EVK	2	23		
Evergy, Inc.	EVRG	4	49	493	
EVERTEC, Inc.	EVTC	7	73	737	
EVI Industries, Inc.	EVI	5	50	508	
Evolution Petroleum	EPM	1	13	131	

Corporation					
Evolving Systems, Inc.	EVOL	7	73	737	
The E.W. Scripps Company	SSP	4	48	483	4833
Exelixis, Inc.	EXEL	2	28	283	2836
Exelon Corporation	EXC	4	49	491	
Expeditors International of Washington, Inc.	EXPD	4	47	473	
Exponent, Inc.	EXPO	8	87	874	8742
Express, Inc.	EXPR	5	56		
Extra Space Storage Inc.	EXR	6	67	679	6798
F.N.B. Corporation	FNB	6	60	602	
F5 Networks, Inc.	FFIV	7	73	737	7373
Facebook, Inc.	FB	7	73	737	
FactSet Research Systems Inc.	FDS	7	73	737	
Fair Isaac Corporation	FICO	7	73	737	7373
Farmer Bros. Co.	FARM	2	20		
Farmers & Merchants Bancorp, Inc.	FMAO	6	60	603	6035
Farmers National Banc Corp.	FMNB	6	60	602	
FARO Technologies, Inc.	FARO	3	38	382	
Fastenal Company	FAST	5	50		
Fauquier Bankshares, Inc.	FBSS	6	60	602	
Federal Realty Investment Trust	FRT	6	67	679	6798
Federal Signal Corporation	FSS	3	37	371	3711
Federated Investors, Inc.	FII	6	62	628	
FedEx Corporation	FDX	4			
Ferro Corporation	FOE	2	28		
Fidelity D & D Bancorp, Inc.	FDBC	6	60	602	
Fidelity National Information Services, Inc.	FIS	7	73	737	7374
Fidelity Southern Corporation	LION	6	60	602	
Fidus Investment Corporation	FDUS	6	67	679	
Fiesta Restaurant Group, Inc.	FRGI	5	58		5812
Fifth Third Bancorp	FITB	6	60	602	
Financial Institutions, Inc.	FISI	6	60	602	
Finisar Corporation	FNSR	3	35	357	3577
First American Financial Corporation	FAF	6	63		
The First Bancorp, Inc.	FNLC	6	60	602	
First BanCorp.	FBP	6	60	602	
First Bancorp	FBNC	6	60	602	
The First Bancshares, Inc.	FBMS	6	60	602	
First Bank	FRBA	6	60	602	
First Busey Corporation	BUSE	6	60	602	
First Business Financial Services, Inc.	FBIZ	6	60	602	
First Capital, Inc.	FCAP	6	60	602	
First Citizens BancShares, Inc.	FCNCA	6	60	602	
First Community Bankshares, Inc.	FCBC	6	60	602	
First Commonwealth Financial Corporation	FCF	6	60	602	
First Community Corporation	FCCO	6	60	602	
First Defiance Financial Corp.	FDEF	6	60	603	6035
First Financial Corporation	THFF	6	60	602	
First Financial Northwest, Inc.	FFNW	6	60	602	
First Financial Bancorp.	FFBC	6	60	602	
First Financial Bankshares, Inc.	FFIN	6	60	602	
First Guaranty Bancshares, Inc.	FGBI	6	60	602	
First Horizon National Corporation	FHN	6	60	602	
First Industrial Realty Trust, Inc.	FR	6	67	679	6798

Appendix B: SIC Codes in which Companies (Main Set) are Included

First Internet Bancorp	INBK	6	60	602		Getty Realty Corp.	GTY	6	67	679	6798
First Interstate BancSystem, Inc.	FIBK	6	60	602		Gilead Sciences, Inc.	GILD	2	28	283	2836
The First of Long Island Corporation	FLIC	6	60	602		Glacier Bancorp, Inc.	GBCI	6	60	602	
First Merchants Corporation	FRME	6	60	602		Gladstone Capital Corporation	GLAD	6	67	679	
First Mid-Illinois Bancshares, Inc.	FMBH	6	60	602		Gladstone Investment Corporation	GAIN	6	67	679	
First Midwest Bancorp, Inc.	FMBI	6	60	602		P. H. Glatfelter Company	GLT	2	26	262	
First Republic Bank	FRC	6	60	602		Glen Burnie Bancorp	GLBZ	6	60	602	
First Savings Financial Group, Inc.	FSFG	6	60	602		Global Brass and Copper Holdings, Inc.	BRSS	3	33		
First Solar, Inc.	FSLR	3	36	367	3674	Global Partners LP	GLP	5	51	517	
First United Corporation	FUNC	6	60	602		Global Payments Inc.	GPB	7	73	737	7374
First US Bancshares, Inc.	FUSB	6	60	602		GlobalSCAPE, Inc.	GSB	7	73	737	7372
FirstCash, Inc.	FCFS	5	59			Globus Medical, Inc.	GMED	3	38	384	3841
Fiserv, Inc.	FISV	7	73	737	7374	Gold Resource Corporation	GORO	1	10		
Flagstar Bancorp, Inc.	FBC	6	60	603	6035	The Goldfield Corporation	GV	1	16	162	
FleetCor Technologies, Inc.	FLT	7	73	737	7374	The Goldman Sachs Group, Inc.	GS	6	62	621	
Flexible Solutions International Inc.	FSI	2	28	281		Golub Capital BDC, Inc.	GBDC	6	67	679	
Flexsteel Industries, Inc.	FLXS	2	25	251		The Goodyear Tire & Rubber Company	GT	3	30		
FLIR Systems, Inc.	FLIR	3	38			Graco Inc.	GGG	3	35	356	
Flowers Foods, Inc.	FLO	2	20			Graham Corporation	GHM	3	34		
Flowserve Corporation	FLS	3				W.W. Grainger, Inc.	GWW	5	50		
Flushing Financial Corporation	FFIC	6	60	602		Granite Construction Incorporated	GVA	1	16		
FMC Corporation	FMC	2	28	287		Graphic Packaging Holding Company	GPK	2	26	265	
FNCB Bancorp, Inc.	FNCB	6	60	602		Gray Television, Inc.	GTN	4	48	483	4833
Foot Locker, Inc.	FL	5	56			Great Southern Bancorp, Inc.	GSBC	6	60	602	
FormFactor, Inc.	FORM	3	38	382	3825	Green Dot Corporation	GDOT	7	73	738	
Fortinet, Inc.	FTNT	3	35	357	3577	Greene County Bancorp, Inc.	GCBC	6	60	603	6035
Forward Air Corporation	FWRD	4	42			Greenhill & Co., Inc.	GHL	6	62	628	
Fossil Group, Inc.	FOSL	3	38			Griffin Industrial Realty, Inc.	GRIF	6	65	651	
Fox Factory Holding Corp.	FOXF	3	37			Griffon Corporation	GFF	3	34		
Francesca's Holdings Corporation	FRAN	5	56			Group 1 Automotive, Inc.	GPI	5	55		
Franklin Financial Network, Inc.	FSB	6	60	602		Guaranty Federal Bancshares, Inc.	GFED	6	60	602	
Franklin Resources, Inc.	BEN	6	62	628		Guidewire Software, Inc.	GWRE	7	73	737	7372
Franklin Street Properties Corp.	FSP	6	67	679	6798	Gulf Resources, Inc.	GURE	2	28	281	
Friedman Industries, Incorporated	FRD	3	33	331		Haemonetics Corporation	HAE	3	38	384	3841
FS Bancorp, Inc.	FSBW	6	60	603	6036	The Hain Celestial Group, Inc.	HAIN	2	20		
H.B. Fuller Company	FUL	2	28	289		Hallador Energy Company	HNRG	1			
Fulton Financial Corporation	FULT	6	60	602		Hancock Whitney Corporation	HWC	6	60	602	
FutureFuel Corp.	FF	2	28	286		Hanmi Financial Corporation	HAFC	6	60	602	
FVCBancorp, Inc.	FVCB	6	60	602		Hannon Armstrong Sustainable Infrastructure Capital, Inc.	HASI	6	67	679	6798
GAIN Capital Holdings, Inc.	GCAP	6	62			The Hanover Insurance Group, Inc.	THG	6	63	633	
GAMCO Investors, Inc.	GBL	6	62	628		Harris Corporation	HRS	3	38		
GameStop Corp.	GME	5	57			Harsco Corporation	HSC	3			
Gaming and Leisure Properties, Inc.	GLPI	6	67	679	6798	The Hartford Financial Services Group, Inc.	HIG	6	63	633	
Gaming Partners International Corporation	GPIC	3	39			Harvest Capital Credit Corporation	HCAP	6	67	679	
The Gap, Inc.	GPS	5	56	565		Hasbro, Inc.	HAS	3	39		
Garrison Capital Inc.	GARS	6	67	679		Haverty Furniture Companies, Inc.	HVT	5	57		
Gencor Industries, Inc.	GENC	3	35	356		Hawaiian Holdings, Inc.	HA	4	45	451	
General Mills, Inc.	GIS	2	20			Hawthorn Bancshares, Inc.	HWBK	6	60	602	
Genesee & Wyoming Inc.	GWR	4	40			Haynes International, Inc.	HAYN	3	33	331	
Gentex Corporation	GNTX	3	37	371	3714	HCP, Inc.	HCP	6	67	679	6798
Gentherm Incorporated	THRM	3	37	371	3714	HD Supply Holdings, Inc.	HDS	5	50		
Genuine Parts Company	GPC	5	50			Healthcare Realty Trust	HR	6	67	679	6798
German American Bancorp, Inc.	GABC	6	60	602							

Appendix B: SIC Codes in which Companies (Main Set) are Included

Incorporated						INDEX Corporation	IEX	3	35		
HealthStream, Inc.	HSTM	7	73	737	7372	IDEXX Laboratories, Inc.	IDXX	2	28	283	2835
Heartland Express, Inc.	HTLD	4	42		4213	IF Bancorp, Inc.	IROQ	6	60	603	6035
Heartland Financial USA, Inc.	HTLF	6	60	602		II-VI Incorporated	IIVI	3	38	382	
HEICO Corporation	HEI	3				IKONICS Corporation	IKNX	2	28	284	
Hennessy Advisors, Inc.	HNNA	6	62	628		Illumina, Inc.	ILMN	3	38	382	3826
Jack Henry & Associates, Inc.	JKHY	7	73	737	7373	ImmuCell Corporation	ICCC	2	28	283	2835
Hercules Capital, Inc.	HTGC	6	67	679		Impac Mortgage Holdings, Inc.	IMH	6	61	616	6162
Heritage Commerce Corp	HTBK	6	60	602		Income Opportunity Realty Investors, Inc.	IOR	6	61	616	6162
Heritage Financial Corporation	HFWA	6	60	602		Independence Realty Trust, Inc.	IRT	6	67	679	6798
Hersha Hospitality Trust	HT	6	67	679	6798	Independent Bank Corp.	INDB	6	60	602	
The Hershey Company	HSY	2	20			Independent Bank Corporation	IBCP	6	60	602	
Heska Corporation	HSKA	2	28	283	2835	Independent Bank Group, Inc.	IBTX	6	60	602	
HFF, Inc.	HFF	6	61	616		Information Services Group, Inc.	III	7	73	737	7374
Hibbett Sports, Inc.	HIBB	5	59	594		Ingredion Incorporated	INGR	2	20		
Hi-Crush Partners LP	HCLP	1	14			Innophos Holdings, Inc.	IPHS	2	28	281	
Highpower International, Inc.	HPJ	3	36	369		Innospec Inc.	IOSP	2	28		
Highwoods Properties, Inc.	HIW	6	67	679	6798	Innoviva, Inc.	INVA	2	28	283	2834
Hillenbrand, Inc.	HI	3				Inogen, Inc.	INGN	3	38	384	3845
Hilton Worldwide Holdings Inc.	HLT	7	70			Insight Enterprises, Inc.	NSIT	5	50	504	5045
Hingham Institution for Savings	HIFS	6	60	603	6036	Insignia Systems, Inc.	ISIG	7	73		
HMN Financial, Inc.	HMNF	6	60	603	6035	Insperty, Inc.	NSP	7	73	736	7363
HMS Holdings Corp.	HMSY	6	64			Installed Building Products, Inc.	IBP	1			
Hologic, Inc.	HOLX	3	38	384		Insteel Industries, Inc.	IIIN	3	33	331	
Home Bancorp, Inc.	HBCP	6	60	603	6035	Integer Holdings Corporation	ITGR	3	38	384	3845
Home Bancshares, Inc. (Conway, AR)	HOMB	6	60	602		Integra LifeSciences Holdings Corporation	IART	3	38	384	3842
Home Federal Bancorp, Inc. of Louisiana	HFBL	6	60	603	6035	Integrated Device Technology, Inc.	IDTI	3	36	367	3674
HomeStreet, Inc.	HMST	6	60	603	6036	Intel Corporation	INTC	3	36	367	3674
HomeTrust Bancshares, Inc.	HTBI	6	60	602		Inter Parfums, Inc.	IPAR	2	28	284	
Hooker Furniture Corporation	HOFT	2	25	251		Intercontinental Exchange, Inc.	ICE	6	62		
Hope Bancorp, Inc.	HOPE	6	60	602		InterDigital, Inc.	IDCC	6	67	679	6794
HopFed Bancorp, Inc.	HFBC	6	60	603	6035	Interface, Inc.	TILE	2	22		
Horace Mann Educators Corporation	HMN	6	63			The Interpublic Group of Companies, Inc.	IPG	7	73		
Horizon Bancorp, Inc.	HBNC	6	60	602		inTEST Corporation	INTT	3	38	382	3825
Horizon Technology Finance Corporation	HRZN	6	67	679		International Bancshares Corporation	IBOC	6	60	602	
Hormel Foods Corporation	HRL	2	20	201		International Flavors & Fragrances Inc.	IFF	2	28		
Hospitality Properties Trust	HPT	6	67	679	6798	International Paper Company	IP	2	26		
Host Hotels & Resorts, Inc.	HST	6	67	679	6798	International Speedway Corporation	ISCA	7	79		
Houston Wire & Cable Company	HWCC	5	50	506		Intuit Inc.	INTU	7	73	737	7372
Howard Bancorp, Inc.	HBMD	6	60	602		Intuitive Surgical, Inc.	ISRG	3	38	384	3845
Hub Group, Inc.	HUBG	4	47	473		Inuvo, Inc.	INUV	7	73	737	
Hubbell Incorporated	HUBB	3				Invesco Mortgage Capital Inc.	IVR	6	67	679	6798
Hudson Technologies Inc.	HDSN	4	49	495		Intact Gold Corp.	ITG	6	62	621	
Humana Inc.	HUM	6	63	632	6324	Investors Bancorp, Inc.	ISBC	6	60	603	6036
J.B. Hunt Transport Services, Inc.	JBHT	4	42		4213	IPG Photonics Corporation	IPGP	3	36	367	3674
Huntington Bancshares Incorporated	HBAN	6	60	602		IQVIA Holdings Inc.	IQV	8	87		
Huntington Ingalls Industries, Inc.	HII	3	37			Iridium Communications Inc.	IRDM	4	48		
Huntsman Corporation	HUN	2	28			iRobot Corporation	IRBT	3	39		
Hurco Companies, Inc.	HURC	3	38	382		Iron Mountain Incorporated	IRM	6	67	679	6798
Huron Consulting Group Inc.	HURN	8	87	874	8742	Issuer Direct Corporation	ISDR	7	73	737	
Hyster-Yale Materials Handling, Inc.	HY	3	35	353		IT Tech Packaging, Inc.	ITP	2	26	262	
IBERIABANK Corporation	IBKC	6	60	602		ITT Inc.	ITT	3			
ICF International, Inc.	ICFI	8	87	874	8742	J & J Snack Foods Corp.	JJSF	2	20		
ICU Medical, Inc.	ICUI	3	38	384	3841	j2 Global, Inc.	JCOM	7	73	737	

Appendix B: SIC Codes in which Companies (Main Set) are Included

Jabil Inc.	JBL	3	36	367	3672	LendingTree, Inc.	TREE	6	61	616	
Jack in the Box Inc.	JACK	5	58		5812	Lennox International Inc.	LII	3	35		
JetBlue Airways Corporation	JBLU	4	45	451		LGI Homes, Inc.	LGIH	1	15		
John Bean Technologies Corporation	JBT	3	35			LHC Group, Inc.	LHCG	8	80		
Jones Lang LaSalle Incorporated	JLL	6	65	653		The Liberty SiriusXM Group	LSXMK	4	48	483	4832
JPMorgan Chase & Co.	JPM	6	60	602		Life Storage, Inc.	LSI	6	67	679	6798
Juniper Networks, Inc.	JNPR	3	35	357		LifeVantage Corporation	LFVN	2	28	283	2834
K12 Inc.	LRN	8	82			Lifeway Foods, Inc.	LWAY	2	20		
Kaiser Aluminum Corporation	KALU	3	33			Ligand Pharmaceuticals Incorporated	LGND	2	28	283	2834
Kansas City Southern	KSU	4	40			LightPath Technologies, Inc.	LPTH	3	38	382	
Portman Ridge Finance Corporation	KCAP	6	67	679		Eli Lilly and Company	LLY	2	28	283	2834
Kearny Financial Corp.	KRNY	6	60	603	6036	Lincoln Electric Holdings, Inc.	LECO	3	35		
Kellogg Company	K	2	20			Lincoln National Corporation	LNC	6	63		
Kelly Services, Inc.	KELYA	7	73	736	7363	Lindsay Corporation	LNN	3	35		
KEMET Corporation	KEM	3	36	367		Littelfuse, Inc.	LFUS	3	36		
Kemper Corporation	KMPR	6	63	633		LiveRamp Holdings, Inc.	RAMP	7	73	737	7374
Kennedy-Wilson Holdings, Inc.	KW	6	65	651		LKQ Corporation	LKQ	5	50		
Kentucky First Federal Bancorp	KFFB	6	60	603	6035	Lockheed Martin Corporation	LMT	3	37		
Kewaunee Scientific Corporation	KEQU	3	38	382		LogMeIn, Inc.	LOGM	7	73	737	
Key Tronic Corporation	KTCC	3	36	367		LTC Properties, Inc.	LTC	6	67	679	6798
KeyCorp	KEY	6	60	602		Luminex Corporation	LMNX	2	28	283	2835
Kilroy Realty Corporation	KRC	6	67	679	6798	Lydall, Inc.	LDL	3			
Kimball International, Inc.	KBAL	2	25	252		M&T Bank Corporation	MTB	6	60	602	
Kimberly-Clark Corporation	KMB	2	26	262		Macatawa Bank Corporation	MCBC	6	60	602	
Kimco Realty Corporation	KIM	6	67	679	6798	Macerich Company	MAC	6	67	679	6798
Kinder Morgan, Inc.	KMI	4	49	492		Mack-Cali Realty Corporation	CLI	6	67	679	6798
KLA-Tencor Corporation	KLAC	3	38	382		Mackinac Financial Corporation	MFNC	6	60	602	
Korn Ferry	KFY	7	73	736	7361	Magyar Bancorp, Inc.	MGYR	6	60	603	6036
Kraton Corporation	KRA	2	28			Malibu Boats, Inc.	MBUU	3	37		
Kronos Worldwide, Inc.	KRO	2	28	281		Malvern Bancorp, Inc.	MLVF	6	60	602	
Kulicke and Soffa Industries, Inc.	KLIC	3	35	355	3559	MAM Software Group, Inc.	MAMS	7	73	737	
L Brands, Inc.	LB	5				Manhattan Associates, Inc.	MANH	7	73	737	7373
L3 Technologies, Inc.	LLL	3				Manhattan Bridge Capital, Inc.	LOAN	6	67	679	6798
Laboratory Corporation of America Holdings	LH	8				Mannatech, Incorporated	MTEX	2	28	283	2834
Lake Shore Bancorp, Inc.	LSBK	6	60	603	6035	Manning & Napier, Inc.	MN	6	62	628	
Lakeland Bancorp, Inc.	LBAI	6	60	602		ManpowerGroup Inc.	MAN	7	73	736	7363
Lakeland Financial Corporation	LKFN	6	60	602		ManTech International Corporation	MANT	7	73	737	7373
Lakeland Industries, Inc.	LAKE	3	38	384	3842	Marcus & Millichap, Inc.	MMI	6	65	653	
Lam Research Corporation	LRCX	3	35	355	3559	The Marcus Corporation	MCS	7			
Lamar Advertising Company (REIT)	LAMR	6	67	679	6798	Marine Products Corporation	MPX	3	37		
Lancaster Colony Corporation	LANC	2	20			MarineMax, Inc.	HZO	5	55		
Landec Corporation	LNDC	2	20			MarketAxess Holdings Inc.	MKTX	6	62		
Landmark Bancorp, Inc.	LARK	6	60	602		Marriott International, Inc.	MAR	7	70		
Lannett Company, Inc.	LCI	2	28	283	2834	Marriott Vacations Worldwide Corporation	VAC	7	70		
The Estée Lauder Companies Inc.	EL	2	28	284		Marsh & McLennan Companies, Inc.	MMC	6	64		
La-Z-Boy Incorporated	LZB	2	25	251		Marten Transport, Ltd.	MRTN	4	42		4213
LCI Industries	LCII	3	37	371	3711	Masimo Corporation	MASI	3	38	384	3845
LCNB Corp.	LCNB	6	60	602		MasTec, Inc.	MTZ	1	16	162	
Lee Enterprises, Incorporated	LEE	2	27			Mastech Digital, Inc.	MHH	7	73	736	7361
LegacyTexas Financial Group, Inc.	LTXB	6	60	602		Mastercard Incorporated	MA	6	60		
Legg Mason, Inc.	LM	6	62	628		Matrix Service Company	MTRX	1			
Leidos Holdings, Inc.	LDOS	7	73	737	7373	Matson, Inc.	MATX	4			
LeMaitre Vascular, Inc.	LMAT	3	38	384	3841	Maxim Integrated Products, Inc.	MXIM	3	36	367	3674
						MAXIMUS, Inc.	MMS	8	87	874	
						J.W. Mays, Inc.	MAYS	6	65	651	
						MB Financial, Inc.	MBFI	6	60	602	
						MBT Financial Corp.	MBTF	6	60	603	6036

Appendix B: SIC Codes in which Companies (Main Set) are Included

McCormick & Company, Incorporated	MKC	2	20		
McDonald's Corporation	MCD	5	58	5812	
Medallion Financial Corp.	MFIN	6	67	679	
Medical Properties Trust, Inc.	MPW	6	67	679	6798
Medidata Solutions, Inc.	MDSO	7	73	737	
Medifast, Inc.	MED	2	20		
MEDNAX, Inc.	MD	8	80		
Mercantile Bank Corporation	MBWM	6	60	602	
Mercer International Inc.	MERC	2	26		
Merck & Co., Inc.	MRK	2	28	283	2834
Mercury General Corporation	MCY	6	63	633	
Mercury Systems, Inc.	MRCY	3	36	367	3674
Meridian Bancorp, Inc.	EBSB	6	60	603	6036
Meridian Bioscience, Inc.	VIVO	2	28	283	
Merit Medical Systems, Inc.	MMSI	3	38	384	3841
Meritor, Inc.	MTOR	3	37	371	3714
Mesa Laboratories, Inc.	MLAB	3	38		
Mesa Royalty Trust	MTR	6	67	679	
Mesabi Trust	MSB	6	67	679	
Meta Financial Group, Inc.	CASH	6	60	603	6035
Methode Electronics, Inc.	MEI	3	36	367	
MetLife, Inc.	MET	6	63	631	
Mettler-Toledo International Inc.	MTD	3	38	382	3826
MFA Financial, Inc.	MFA	6	67	679	6798
MGE Energy, Inc.	MGEE	4	49		
MGIC Investment Corporation	MTG	6	63		
MGM Resorts International	MGM	7	79	799	
MGP Ingredients, Inc.	MGPI	2	20	208	
Micron Technology, Inc.	MU	3	36	367	3674
Microsoft Corporation	MSFT	7	73	737	
MicroStrategy Incorporated	MSTR	7	73	737	7372
Mid Penn Bancorp, Inc.	MPB	6	60	602	
Mid-America Apartment Communities, Inc.	MAA	6	67	679	6798
The Middleby Corporation	MIDD	3			
Middlefield Banc Corp.	MBCN	6	60	602	
Middlesex Water Company	MSEX	4	49	494	
MidSouth Bancorp, Inc.	MSL	6	60	602	
MidWestOne Financial Group, Inc.	MOFG	6	60	602	
Miller Industries, Inc.	MLR	3	37	371	
Mitek Systems, Inc.	MITK	3	35	357	3577
MKS Instruments, Inc.	MKSI	3			
Mobile Mini, Inc.	MINI	7	73		
Modine Manufacturing Company	MOD	3	37	371	3714
Molson Coors Brewing Company	TAP	2	20	208	
Mondelez International, Inc.	MDLZ	2	20		
Monmouth Real Estate Investment Corporation	MNR	6	67	679	6798
Monolithic Power Systems, Inc.	MPWR	3	36	367	3674
Monotype Imaging Holdings Inc.	TYPE	7	73	737	7372
Monro, Inc.	MNRO	7			
Monroe Capital Corporation	MRCC	6	67	679	
Monster Beverage Corporation	MNST	2	20	208	
Moody's Corporation	MCO	7	73		
Moog Inc.	MOG.A	3			
Morgan Stanley	MS	6	62		
Morningstar, Inc.	MORN	7	73	737	
The Mosaic Company	MOS	2	28	287	
Motorcar Parts of America, Inc.	MPAA	3	36	369	
MPLX LP	MPLX	4	46		
MSA Safety Incorporated	MSA	3	38	384	3842
MSB Financial Corp.	MSBF	6	60	603	6035
MSC Industrial Direct Co., Inc.	MSM	5	50	508	
MSCI Inc.	MSCI	6	62	628	
MSG Networks Inc.	MSGN	4	48		
MTS Systems Corporation	MTSC	3	38	382	
Mueller Industries, Inc.	MLI	3	33		
Mueller Water Products, Inc.	MWA	3	34		
Multi-Color Corporation	LABL	2	27		
MutualFirst Financial, Inc.	MFSF	6	60	602	
MVB Financial Corp.	MVBF	6	60	602	
MYR Group Inc.	MYRG	1	16	162	
Myriad Genetics, Inc.	MYGN	2	28	283	2835
NBT Bancorp Inc.	NBTB	6	60	602	
Nanometrics Incorporated	NANO	3	38	382	
Napco Security Technologies, Inc.	NSSC	3	36	366	
National Bank Holdings Corporation	NBHC	6	60	602	
National Bankshares, Inc.	NKSH	6	60	602	
National Beverage Corp.	FIZZ	2	20	208	
National General Holdings Corp.	NGHC	6	63	633	
National Health Investors, Inc.	NHI	6	67	679	6798
National Instruments Corporation	NATI	7	73	737	7372
National Research Corporation	NRC	7	73	738	
National Retail Properties, Inc.	NNN	6	67	679	6798
The National Security Group, Inc.	NSEC	6	63	633	
National Western Life Group, Inc.	NWLI	6	63	631	
Natural Grocers by Vitamin Cottage, Inc.	NGVC	5	54		
Natus Medical Incorporated	BABY	3	38	384	3845
Navigant Consulting, Inc.	NCI	8	87	874	8742
The Navigators Group, Inc.	NAVG	6	63	633	
NCI Building Systems, Inc.	NCS	3	34		
Neenah, Inc.	NP	2	26	262	
Nektar Therapeutics	NKTR	2	28	283	2834
Neogen Corporation	NEOG	2	28	283	
Net 1 UEPS Technologies, Inc.	UEPS	7	73	737	7374
NetApp, Inc.	NTAP	3	35	357	
Netflix, Inc.	NFLX	7			
NETGEAR, Inc.	NTGR	3	35	357	
NetScout Systems, Inc.	NTCT	7	73	737	7373
Network-1 Technologies, Inc.	NTIP	6	67	679	6794
Nevada Gold & Casinos, Inc.	UWN	7	79	799	
The New Home Company Inc.	NWHM	1	15		
New Media Investment Group Inc.	NEWM	2	27		
New Mountain Finance Corporation	NMFC	6	67	679	
New York Community Bancorp, Inc.	NYCB	6	60	603	6036
The New York Times Company	NYT	2	27		
NewMarket Corporation	NEU	2	28	286	
NextEra Energy, Inc.	NEE	4	49	491	
NextGen Healthcare, Inc.	NXGN	7	73	737	7372
NIC Inc.	EGOV	7	73	737	

Appendix B: SIC Codes in which Companies (Main Set) are Included

Nicolet Bankshares, Inc.	NCBS	6	60	602		Otelco Inc.	OTEL	4	48	481	4813
NIKE, Inc.	NKE	3	30			Ottawa Bancorp, Inc.	OTTW	6	60	603	6035
NiSource Inc.	NI	4	49			Owens Corning	OC	3	32		
NMI Holdings, Inc.	NMIH	6	63			Orion Metals Limited	ORM	6	67	679	6798
NN, Inc.	NNBR	3				Owens-Illinois, Inc.	OI	3	32		
Nordson Corporation	NDSN	3	35	356		Oxford Industries, Inc.	OXM	2	23		
Norfolk Southern Corporation	NSC	4	40			Oxford Lane Capital Corp.	OXLC	6	67		
North European Oil Royalty Trust	NRT	6	67	679		Oxford Square Capital Corp.	OXSQ	6	67	679	
Northeast Bancorp	NBN	6	60	602		P&F Industries, Inc.	PFIN	3	35		
Northern Trust Corporation	NTRS	6	60	602		Pacific Premier Bancorp, Inc.	PPBI	6	60	602	
Northfield Bancorp, Inc. (Staten Island, NY)	NFBK	6	60	603	6035	Packaging Corporation of America	PKG	2	26	265	
Northrim BanCorp, Inc.	NRIM	6	60	602		PacWest Bancorp	PACW	6	60	602	
Northwest Bancshares, Inc.	NWBI	6	60	603	6035	Panhandle Oil and Gas Inc.	PHX	1	13	131	
Northwest Natural Holding Company	NWN	4	49	492	4924	Park Electrochemical Corp.	PKE	3	36	367	3672
NorthWestern Corporation	NWE	4	49	493		Park National Corporation	PRK	6	60	602	
Norwood Financial Corp.	NWFL	6	60	602		Parke Bancorp, Inc.	PKBK	6	60	602	
Nova LifeStyle, Inc.	NVFX	2	25	251		Parker-Hannifin Corporation	PH	3	34		
Nu Skin Enterprises, Inc.	NUS	2	28	283	2834	Pathfinder Bancorp, Inc.	PBHC	6	60	602	
Nucor Corporation	NUE	3				Patriot National Bancorp, Inc.	PNBK	6	60	602	
Nutrisystem, Inc.	NTRI	5	59	596		Patterson Companies, Inc.	PDCO	5	50	504	
NuVasive, Inc.	NUVA	3	38	384	3841	Paychex, Inc.	PAYX	8	87		
NVE Corporation	NVEC	3	36	367	3674	PB Bancorp, Inc.	PBBI	6	60	603	6035
NVIDIA Corporation	NVDA	3	36	367	3674	PC Connection, Inc.	CNXX	5	59	596	
Oak Valley Bancorp	OVLY	6	60	602		PCM, Inc.	PCMI	5	59	596	
Oaktree Strategic Income Corporation	OCSI	6	67	679		PDF Solutions, Inc.	PDFS	3	35	355	3559
Oasis Petroleum Inc.	OAS	1	13	131		Peapack-Gladstone Financial Corporation	PGC	6	60	602	
Ocean Bio-Chem, Inc.	OBCI	2	28	284		Pebblebrook Hotel Trust	PEB	6	67	679	6798
OceanFirst Financial Corp.	OCFC	6	60	603	6035	PennantPark Floating Rate Capital Ltd.	PFLT	6	67	679	
Oconee Federal Financial Corp.	OFED	6	60	603	6035	PennantPark Investment Corporation	PNNT	6	67	679	
OFG Bancorp	OFG	6	60	602		Penns Woods Bancorp, Inc.	PWOD	6	60	602	
OGE Energy Corp.	OGE	4	49	493		Peoples Bancorp Inc.	PEBO	6	60	602	
Ohio Valley Banc Corp.	OVBC	6	60	602		Peoples Bancorp of North Carolina, Inc.	PEBK	6	60	602	
Oil-Dri Corporation of America	ODC	3	32			Peoples Financial Services Corp.	PFIS	6	60	602	
Old Dominion Freight Line, Inc.	ODFL	4	42		4213	People's United Financial, Inc.	PBCT	6	60	602	
Old Line Bancshares, Inc.	OLBK	6	60	602		PepsiCo, Inc.	PEP	2	20		
Old National Bancorp	ONB	6	60	602		Perficient, Inc.	PRFT	7	73	737	
Old Point Financial Corporation	OPOF	6	60	602		Performant Financial Corporation	PFMT	7	73		
Old Republic International Corporation	ORI	6	63			PerkinElmer, Inc.	PKI	3	38		
Old Second Bancorp, Inc.	OSBC	6	60	602		Permian Basin Royalty Trust	PBT	6	67	679	
Olympic Steel, Inc.	ZEUS	5	50			PetMed Express, Inc.	PETS	5	59		
Omega Flex, Inc.	OFLX	3	34			Pfizer Inc.	PFE	2	28	283	2834
Omega Healthcare Investors, Inc.	OHI	6	67	679	6798	PGT Innovations, Inc.	PGTI	3	34		
Omnicom Group Inc.	OMC	7	73			Phibro Animal Health Corporation	PAHC	2	28	283	
ONE Gas, Inc.	OGS	4	49	492	4924	Phillips 66	PSX	2	29	291	
One Liberty Properties, Inc.	OLP	6	67	679	6798	Photronics, Inc.	PLAB	3	36	367	3674
Oppenheimer Holdings Inc.	OPY	6	62	621		Pier 1 Imports, Inc.	PIR	5	57		
Opus Bank	OPB	6	60	602		Pilgrim's Pride Corporation	PPC	2	20	201	
Oracle Corporation	ORCL	7	73	737	7372	Pinnacle Financial Partners, Inc.	PNFP	6	60	602	
OraSure Technologies, Inc.	OSUR	2	28	283	2835	Pinnacle West Capital Corporation	PNW	4	49	491	
O'Reilly Automotive, Inc.	ORLY	5	55			Pioneer Natural Resources Company	PXD	1	13	131	
Oritani Financial Corp.	ORIT	6	60	603	6035	Piper Jaffray Companies	PJC	6	62	621	
Orrstown Financial Services, Inc.	ORRF	6	60	602		Plantronics, Inc.	PLT	3	36	366	
Orthofix Medical Inc.	OFIX	3	38	384		Plexus Corp.	PLXS	3	36	367	3672
Oshkosh Corporation	OSK	3									
OSI Systems, Inc.	OSIS	3	38	384							

Appendix B: SIC Codes in which Companies (Main Set) are Included

Plumas Bancorp	PLBC	6	60	602				
The PNC Financial Services Group, Inc.	PNC	6	60	602				
PNM Resources, Inc.	PNM	4	49	491				
Polaris Industries Inc.	PII	3	37					
Pool Corporation	POOL	5	50					
Popular, Inc.	BPOP	6	60	602				
Portland General Electric Company	POR	4	49	491				
Potbelly Corporation	PBPB	5	58		5812			
Powell Industries, Inc.	POWL	3	36					
Power Integrations, Inc.	POWI	3	36	367	3674			
PPG Industries, Inc.	PPG	2	28					
PPL Corporation	PPL	4	49	491				
PRA Group, Inc.	PRAA	6	61					
Preferred Bank	PFBC	6	60	602				
Preformed Line Products Company	PLPC	3	36					
Premier Financial Bancorp, Inc.	PFBI	6	60	602				
Prestige Consumer Healthcare Inc.	PBH	5	51	512				
T. Rowe Price Group, Inc.	TROW	6	62	628				
PriceSmart, Inc.	PSMT	5	53	533				
PrimeEnergy Resources Corporation	PNRG	1	13	131				
Primerica, Inc.	PRI	6						
Primoris Services Corporation	PRIM	1	16	162				
Principal Financial Group, Inc.	PFG	6						
ProAssurance Corporation	PRA	6	63	633				
Pro-Dex, Inc.	PDEX	3	38	384	3841			
Profire Energy, Inc.	PFIE	3	35	353				
Progress Software Corporation	PRGS	7	73	737				
The Progressive Corporation	PGR	6	63	633				
Prologis, Inc.	PLD	6	67	679	6798			
Prospect Capital Corporation	PSEC	6	67	679				
Prosperity Bancshares, Inc.	PB	6	60	602				
Proto Labs, Inc.	PRLB	3	35	355	3559			
The Providence Service Corporation	PRSC	4						
Provident Financial Holdings, Inc.	PROV	6	60	603	6035			
Provident Financial Services, Inc.	PFS	6	60	603	6036			
Prudential Bancorp, Inc.	PBIP	6	60	603	6036			
Prudential Financial, Inc.	PRU	6						
PS Business Parks, Inc.	PSB	6	67	679	6798			
Psychomedics Corporation	PMD	8	80	807				
PTC Inc.	PTC	7	73	737	7372			
Public Storage	PSA	6	67	679	6798			
Pzena Investment Management, Inc.	PZN	6	62	628				
QCR Holdings, Inc.	QCRH	6	60	602				
Qorvo, Inc.	QRVO	3	36	367	3674			
QTS Realty Trust, Inc.	QTS	6	67	679	6798			
Quaker Chemical Corporation	KWR	2	29					
Qualys, Inc.	QLYS	7	73	737	7372			
Quanta Services, Inc.	PWR	1						
Quest Diagnostics Incorporated	DGX	8	80	807				
Qurate Retail Inc.	QRTEA	5	59	596				
RF Industries, Ltd.	RFIL	3	36	367				
Radian Group Inc.	RDN	6	63					
Radiant Logistics, Inc.	RLGT	4	47	473				
RadNet, Inc.	RDNT	8	80	807				
Rand Capital Corporation	RAND	6	67	679				
Raymond James Financial, Inc.	RJF	6	62	621				
RBC Bearings Incorporated	ROLL	3	35	356				
RCM Technologies, Inc.	RCMT	7	73	736				
Realogy Holdings Corp.	RLGY	6	65	653				
Realty Income Corporation	O	6	67	679	6798			
Red Robin Gourmet Burgers, Inc.	RRGB	5	58		5812			
Regal Beloit Corporation	RBC	3	36	362	3621			
Regency Centers Corporation	REG	6	67	679	6798			
Regeneron Pharmaceuticals, Inc.	REGN	2	28	283	2834			
Regions Financial Corporation	RF	6	60	602				
Reinsurance Group of America, Incorporated	RGA	6	63	631				
Reliance Steel & Aluminum Co.	RS	5	50					
Renasant Corporation	RNST	6	60	602				
Repligen Corporation	RGEN	2	28	283	2836			
Republic Bancorp, Inc.	RBCAA	6	60	602				
Republic First Bancorp, Inc.	FRBK	6	60	602				
Republic Services, Inc.	RSG	4	49	495				
ResMed Inc.	RMD	3	38	384	3845			
Resources Connection, Inc.	RECN	8	87					
Retail Opportunity Investments Corp.	ROIC	6	67	679	6798			
Retail Properties of America, Inc.	RPAI	6	67	679	6798			
Rexnord Corporation	RXN	3	35	356				
RGC Resources, Inc.	RGCO	4	49	492	4924			
RH	RH	5	57					
Riverview Bancorp, Inc.	RVSB	6	60	603	6035			
Riverview Financial Corporation	RIVE	6	60	602				
RLI Corp.	RLI	6	63	633				
Rockwell Automation, Inc.	ROK	3						
Rollins, Inc.	ROL	7	73					
Roper Technologies, Inc.	ROP	3	38					
Royal Gold, Inc.	RGLD	6	67	679				
RPM International Inc.	RPM	2	28					
RPT Realty	RPT	6	67	679	6798			
Rudolph Technologies, Inc.	RTEC	3	38	382				
S&T Bancorp, Inc.	STBA	6	60	602				
Sabine Royalty Trust	SBR	6	67	679				
Sabra Health Care REIT, Inc.	SBRA	6	67	679	6798			
Sabre Corporation	SABR	7	73	737				
Safety Insurance Group, Inc.	SAFT	6	63	633				
Saga Communications, Inc.	SGA	4	48	483	4832			
Saia, Inc.	SAIA	4	42		4213			
salesforce.com, inc.	CRM	7	73	737	7372			
Salisbury Bancorp, Inc.	SAL	6	60	602				
San Juan Basin Royalty Trust	SJT	6	67	679				
Sanderson Farms, Inc.	SAFM	2	20	201				
Sandy Spring Bancorp, Inc.	SASR	6	60	602				
John B. Sanfilippo & Son, Inc.	JBSS	2	20					
Sanmina Corporation	SANM	3	36	367	3672			
Saratoga Investment Corp.	SAR	6	67	679				
Saul Centers, Inc.	BFS	6	67	679	6798			
SB Financial Group, Inc.	SBFG	6	60	602				
SB One Bancorp	SBBX	6	60	602				
ScanSource, Inc.	SCSC	5	50					
Scholastic Corporation	SCHL	2	27					
The Charles Schwab Corporation	SCHW	6	62	628				

Appendix B: SIC Codes in which Companies (Main Set) are Included

Schweitzer-Mauduit International, Inc.	SWM	2					Southern National Bancorp of Virginia, Inc.	SONA	6	60	602	
Science Applications International Corporation	SAIC	7	73	737	7373		Southside Bancshares, Inc.	SBSI	6	60	602	
The Scotts Miracle-Gro Company	SMG	2	28	287			Southwest Airlines Co.	LUV	4	45	451	
Seacoast Banking Corporation of Florida	SBCF	6	60	602			Southwest Georgia Financial Corporation	SGB	6	60	602	
Sealed Air Corporation	SEE	3	30	308			SPAR Group, Inc.	SGRP	7	73	738	
SEI Investments Company	SEIC	6	62	628			SpartanNash Company	SPTN	5	51	514	
Select Bancorp, Inc.	SLCT	6	60	602			Spirit AeroSystems Holdings, Inc.	SPR	3	37		
Select Medical Holdings Corporation	SEM	8	80				Spirit Airlines, Inc.	SAVE	4	45	451	
Selective Insurance Group, Inc.	SIGI	6	63	633			Spok Holdings, Inc.	SPOK	4	48	481	4812
Sempra Energy	SRE	4	49				Sportsman's Warehouse Holdings, Inc.	SPWH	5	59	594	
Senior Housing Properties Trust	SNH	6	67	679	6798		Sprouts Farmers Market, Inc.	SFM	5	54	541	5411
Sensient Technologies Corporation	SXT	2	28	286			SPS Commerce, Inc.	SPSC	7	73	737	
Servotronics, Inc.	SVT	3	36	362	3621		SPX Corporation	SPXC	3			
Sharps Compliance Corp.	SMED	4	49	495			SRC Energy Inc.	SRCI	1	13	131	
Shenandoah Telecommunications Company	SHEN	4	48	481			STAG Industrial, Inc.	STAG	6	67	679	6798
Shiloh Industries, Inc.	SHLO	3	34				Stamps.com Inc.	STMP	7	73	737	
Shore Bancshares, Inc.	SHBI	6	60	602			Standard AVB Financial Corp.	STND	6	60	603	6036
Shutterstock, Inc.	SSTK	7	73	737			Standard Motor Products, Inc.	SMP	3			
SI Financial Group, Inc.	SIFI	6	60	603	6035		Standex International Corporation	SXI	3			
Sierra Bancorp	BSRR	6	60	602			Stanley Black & Decker, Inc.	SWK	3			
SIGA Technologies, Inc.	SIGA	2	28	283	2836		Star Group, L.P.	SGU	5	59		
SigmaTron International, Inc.	SGMA	3	36	367	3672		Starbucks Corporation	SBUX	5	58		5812
Signature Bank	SBNY	6	60	602			State Street Corporation	STT	6	60	602	
Silgan Holdings Inc.	SLGN	3	34				Stein Mart, Inc.	SMRT	5	56	565	
Silicon Laboratories Inc.	SLAB	3	36	367	3674		Stepan Company	SCL	2	28		
Silvercrest Asset Management Group Inc.							Sterling Bancorp	STL	6	60	602	
SilverSun Technologies, Inc.	SAMG	6	62	628			Stewardship Financial Corporation	SSFN	6	60	602	
Simmons First National Corporation	SSNT	7	73	737			Stewart Information Services Corporation	STC	6	63		
Simon Property Group, Inc.	SFNC	6	60	602			Stifel Financial Corp.	SF	6	62	621	
Simpson Manufacturing Co., Inc.	SPG	6	67	679	6798		Stock Yards Bancorp, Inc.	SYBT	6	60	602	
Sino-Global Shipping America, Ltd.	SSD	3	34	342			StoneCastle Financial Corp.	BANX	6	67	679	
Sirius XM Holdings Inc.							Strategic Education, Inc.	STRA	8	82		
Six Flags Entertainment Corporation	SINO	4	47	473			Strattec Security Corporation	STRT	3	37	371	3714
SkyWest, Inc.	SIRI	4	48	483	4832		Stryker Corporation	SYK	3	38	384	
Skyworks Solutions, Inc.	SIX	7	79	799			Sturm, Ruger & Company, Inc.	RGR	3	34		
SL Green Realty Corp.	SKYW	4	45	451			Suburban Propane Partners, L.P.	SPH	5	59		
Sleep Number Corporation	SWKS	3	36	367	3674		Summit Financial Group, Inc.	SMMF	6	60	602	
A. O. Smith Corporation	SLG	6	67	679	6798		Summit Hotel Properties, Inc.	INN	6	67	679	6798
The J. M. Smucker Company	SNBR	2	25	251			Summit State Bank	SSBI	6	60	602	
Socket Mobile, Inc.	AOS	3	36				Sun Hydraulics Corporation	SNHY	3			
Solar Capital Ltd.	SJM	2	20				SunTrust Banks, Inc.	STI	6	60	602	
Solar Senior Capital Ltd.	SCKT	3	36	366	3663		Supernus Pharmaceuticals, Inc.	SUPN	2	28	283	2834
Sonic Automotive, Inc.	SLRC	6	67	679			SVB Financial Group	SIVB	6	60	602	
Sonoco Products Company	SUNS	6	67	679			Sykes Enterprises, Incorporated	SYKE	7	73	737	7374
SORL Auto Parts, Inc.	SAH	5	55				Symantec Corporation	SYMC	7	73	737	7372
Sound Financial Bancorp, Inc.	SON	2	26	265			Synaptics Incorporated	SYNA	3	36	367	3674
South State Corporation	SORL	3	37	371	3714		Synopsys, Inc.	SNPS	7	73	737	7372
The Southern Company	SFBC	6	60	603	6035		Synovus Financial Corp.	SNV	6	60	602	
Southern First Bancshares, Inc.	SSB	6	60	602			Sysco Corporation	SYT	5	51	514	
Southern Missouri Bancorp, Inc.	SO	4	49	491			Take-Two Interactive Software, Inc.	TTWO	7	73	737	7372
	SFST	6	60	602			Tandy Leather Factory, Inc.	TLF	5	59		
	SMBC	6	60	603	6036		Tanger Factory Outlet Centers, Inc.	SKT	6	67	679	6798

Appendix B: SIC Codes in which Companies (Main Set) are Included

Tapestry, Inc.	TPR	3				TTEC Holdings, Inc.	TTEC	7	73	738	
Target Corporation	TGT	5	53	533		TTM Technologies, Inc.	TTMI	3	36	367	3672
Taubman Centers, Inc.	TCO	6	67	679	6798	Tupperware Brands Corporation	TUP	3	30	308	
Taylor Devices, Inc.	TAYD	3	35	356		Tutor Perini Corporation	TPC	1			
TCF Financial Corporation	TCF	6	60	602		Two River Bancorp	TRCB	6	60	602	
TD Ameritrade Holding Corporation	AMTD	6	62	621		Tyler Technologies, Inc.	TYL	7	73	737	7373
TechTarget, Inc.	TTGT	7	73	737		Tyson Foods, Inc.	TSN	2	20	201	
TEGNA Inc.	TGNA	4	48	483	4833	U.S. Bancorp	USB	6	60	602	
Teleflex Incorporated	TFX	3	38	384	3841	U.S. Silica Holdings, Inc.	SLCA	1	14		
Telephone and Data Systems, Inc.	TDS	4	48	481	4812	Ubiquiti Networks, Inc.	UBNT	3	36	366	3663
Tennant Company	TNC	3	35			UDR, Inc.	UDR	6	67	679	6798
Tenneco Inc.	TEN	3	37	371	3714	The Ultimate Software Group, Inc.	ULTI	7	73	737	7372
Teradata Corporation	TDC	7	73	737		Ultralife Corporation	ULBI	3	36	369	
Teradyne, Inc.	TER	3	38	382	3825	UMB Financial Corporation	UMBF	6	60	602	
Terex Corporation	TEX	3	35	353		Umpqua Holdings Corporation	UMPQ	6	60	602	
Terreno Realty Corporation	TRNO	6	67	679	6798	Union Bankshares Corporation	UBSH	6	60	602	
Territorial Bancorp Inc.	TBNK	6	60	603	6035	Union Bankshares, Inc.	UNB	6	60	602	
TESSCO Technologies Incorporated	TESS	5	50	506		Union Pacific Corporation	UNP	4	40		
Tetra Tech, Inc.	TTEK	8	87	871		United Bancorp, Inc.	UBCP	6	60	602	
Texas Capital Bancshares, Inc.	TCBI	6	60	602		United Bancshares, Inc.	UBOH	6	60	602	
Texas Instruments Incorporated	TXN	3	36	367	3674	United Bankshares, Inc.	UBSI	6	60	602	
Texas Roadhouse, Inc.	TXRH	5	58		5812	United Community Banks, Inc.	UCBI	6	60	602	
TFS Financial Corporation	TFSL	6	60	603	6035	United Community Financial Corp.	UCFC	6	60	603	6036
Thermon Group Holdings, Inc.	THR	3	36	369		United Continental Holdings, Inc.	UAL	4	45	451	
THL Credit, Inc.	THRD	6	67	679		United Financial Bancorp, Inc.	UBNK	6	60	603	6036
Thor Industries, Inc.	THO	3	37			United Fire Group, Inc.	UFCS	6	63	633	
Tiffany & Co.	TIF	5	59	594		United Natural Foods, Inc.	UNFI	5	51	514	
Tile Shop Holdings, Inc.	TTS	5	57			United Parcel Service, Inc.	UPS	4	42		
Timberland Bancorp, Inc.	TSBK	6	60	603	6036	United Rentals, Inc.	URI	7	73		
The Timken Company	TKR	3	35	356		United Security Bancshares	UBFO	6	60	602	
Tiptree Inc.	TIPT	6	63	633		United Technologies Corporation	UTX	3			
Tivity Health, Inc.	TVTY	8	80	809		United Therapeutics Corporation	UTHR	2	28	283	2834
The TJX Companies, Inc.	TJX	5	56	565		United-Guardian, Inc.	UG	2	28	283	2834
T-Mobile US, Inc.	TMUS	4	48	481	4812	Unitil Corporation	UTL	4	49		
Toll Brothers, Inc.	TOL	1	15			Unity Bancorp, Inc.	UNTY	6	60	602	
Tompkins Financial Corporation	TMP	6	60	602		Universal Corporation	UVV	5	51		
Tootsie Roll Industries, Inc.	TR	2	20			Universal Display Corporation	OLED	3	36	367	3674
Torchmark Corporation	TMK	6	63			Universal Forest Products, Inc.	UFPI	2	24		
Total System Services, Inc.	TSS	7	73	738		Universal Health Realty Income Trust	UHT	6	67	679	6798
TowneBank	TOWN	6	60	602		Universal Insurance Holdings, Inc.	UVE	6	63	633	
TPG Specialty Lending, Inc.	TS LX	6	67	679		Universal Logistics Holdings, Inc.	ULH	4			
Tractor Supply Company	TSCO	5				Univest Financial Corporation	UVSP	6	60	602	
TransAct Technologies Incorporated	TACT	3	35	357	3577	Unum Group	UNM	6	63	632	
TravelCenters of America LLC	TA	5	55			Urstadt Biddle Properties Inc.	UBA	6	67	679	6798
The Travelers Companies, Inc.	TRV	6	63	633		United States Cellular Corporation	USM	4	48	481	4812
Tredegear Corporation	TG	3				US Ecology, Inc.	ECOL	4	49	495	
Trex Company, Inc.	TREX	2	24			Utah Medical Products, Inc.	UTMD	3	38	384	3845
TriCo Bancshares	TCBK	6	60	602		Valero Energy Corporation	VLO	2	29	291	
TriMas Corporation	TRS	3				Valley National Bancorp	VLY	6	60	602	
Trimble Inc.	TRMB	3	38	382		Valmont Industries, Inc.	VMI	3			
TriNet Group, Inc.	TNET	7	73	737	7374	Value Line, Inc.	VALU	2	27		
TripAdvisor, Inc.	TRIP	7	73	737		Varian Medical Systems, Inc.	VAR	3	38	384	3845
TriState Capital Holdings, Inc.	TSC	6	60	602		Ventas, Inc.	VTR	6	67	679	6798
TrueBlue, Inc.	TBI	7	73	736	7363						
TrustCo Bank Corp NY	TRST	6	60	603	6035						
Trustmark Corporation	TRMK	6	60	602							
TSR, Inc.	TSRI	7	73	737							

Appendix B: SIC Codes in which Companies (Main Set) are Included

Verint Systems Inc.	VRNT	7	73	737	7373	William Lyon Homes	WLH	1	15		
Verizon Communications Inc.	VZ	4	48	481	4812	Winnebago Industries, Inc.	WGO	3	37		
Verso Corporation	VRS	2	26	262		Wintrust Financial Corporation	WTFC	6	60	602	
Vertex Pharmaceuticals Incorporated	VRTX	2	28	283	2834	Wireless Telecom Group, Inc.	WTT	3			
V.F. Corporation	VFC	2	23			WisdomTree Investments, Inc.	WETF	6	62	628	
Viad Corp	VVI	7	73	738		Woodward, Inc.	WWD	3	36	362	
Vicor Corporation	VICR	3	36	367		World Acceptance Corporation	WRLD	6	61	614	
Village Bank and Trust Financial Corp.	VBFC	6	60	602		World Fuel Services Corporation	INT	5	51	517	5172
Village Super Market, Inc.	VLGEA	5	54	541	5411	Worldpay, Inc.	WP	7	73	737	7374
Virco Mfg. Corporation	VIRC	2	25			WSFS Financial Corporation	WSFS	6	60	603	6035
VirTra, Inc.	VTSI	7	73	737	7372	WVS Financial Corp.	WVFC	6	60	603	6036
Virtus Investment Partners, Inc.	VRTS	6	62	628		Wyndham Destinations, Inc.	WYND	6	65	653	
Virtusa Corporation	VRTU	7	73	737		Wynn Resorts, Limited	WYNN	7	79	799	
Visa Inc.	V	6	60			Xcel Energy Inc.	XEL	4	49	493	
Vishay Intertechnology, Inc.	VSH	3	36	367		Xerox Corporation	XRX	3	35	357	3577
Visteon Corporation	VC	3	37	371	3714	Xilinx, Inc.	XLNX	3	36	367	3674
VOC Energy Trust	VOC	1	13	131		XPO Logistics, Inc.	XPO	4	47	473	
Vonage Holdings Corp.	VG	4	48			Xylem Inc.	XYL	3			
Vornado Realty Trust	VNO	6	67	679	6798	Yelp Inc.	YELP	7	73	737	
W. P. Carey Inc.	WPC	6	67	679	6798	YUM! Brands, Inc.	YUM	5	58		5812
Wabash National Corporation	WNC	3	37	371		Zebra Technologies Corporation	ZBRA	3	35	357	3577
Wabtec Corporation	WAB	3	37			Zimmer Biomet Holdings, Inc.	ZBH	3	38	384	3842
Waddell & Reed Financial, Inc.	WDR	6	62	628		Zions Bancorporation, National Association	ZION	6	60	602	
Walgreens Boots Alliance, Inc.	WBA	5	59			Zoetis Inc.	ZTS	2	28	283	2834
Walker & Dunlop, Inc.	WD	6	61	616	6162	Murphy USA Inc.	MUSA	5	55		
Washington Federal, Inc.	WAFD	6	60	602		HP Inc.	HPQ	3	35	357	
Washington Trust Bancorp, Inc.	WASH	6	60	602		The Sherwin-Williams Company	SHW	2	28		
Waters Corporation	WAT	3	38	382	3826	Lithia Motors, Inc.	LAD	5	55		
Waterstone Financial, Inc.	WSBF	6	60	603	6035	IDT Corporation	IDT	4	48	481	4813
Watsco, Inc.	WSO	5	50			Duke Energy Corporation	DUK	4	49	493	
Watts Water Technologies, Inc.	WTS	3	34			McKesson Corporation	MCK	5	51	512	
Wayside Technology Group, Inc.	WSTG	5	50	504	5045	Universal Health Services, Inc.	UHS	8	80		
WD-40 Company	WDFC	2	28	289		CenterPoint Energy, Inc.	CNP	4	49		
Webster Financial Corporation	WBS	6	60	602		Worthington Industries, Inc.	WOR	3			
Weingarten Realty Investors	WRI	6	67	679	6798	Vail Resorts, Inc.	MTN	7	79	799	
WellCare Health Plans, Inc.	WCG	6	63	632	6324	The Williams Companies, Inc.	WMB	4	49	492	
Wellesley Bancorp, Inc.	WEBK	6	60	602		KB Home	KBH	1	15		
Wells Fargo & Company	WFC	6	60	602		IDACORP, Inc.	IDA	4	49	491	
Welltower Inc.	WELL	6	67	679	6798	Aerojet Rocketdyne Holdings, Inc.	AJRD	3	37		
The Wendy's Company	WEN	5	58		5812	Aqua America, Inc.	WTR	4	49	494	
WesBanco, Inc.	WSBC	6	60	602		Meritage Homes Corporation	MTH	1	15		
West Bancorporation, Inc.	WTBA	6	60	602		Alphabet Inc.	GOOGL	7	73	737	
West Pharmaceutical Services, Inc.	WST	3	30			ConocoPhillips	COP	1	13	131	
Westamerica Bancorporation	WABC	6	60	602		Textron Inc.	TXT	3	37		
Western Alliance Bancorporation	WAL	6	60	602		WEC Energy Group, Inc.	WEC	4	49	493	
Western Digital Corporation	WDC	3	35	357		The Cato Corporation	CATO	5	56		
Western Midstream Partners, LP	WES	4	49	492		Discovery, Inc.	DISCA	4	48		
Western New England Bancorp, Inc.	WNEB	6	60	603	6035	Tribune Media Company	TRCO	4	48	483	4833
The Western Union Company	WU	6	60			Altria Group, Inc.	MO	2			
WEX Inc.	WEX	7	73	737	7374	Archer-Daniels-Midland Company	ADM	2	20		
Whirlpool Corporation	WHR	3	36			HollyFrontier Corporation	HFC	2	29	291	
Wilhelmina International, Inc.	WHLM	7	79			Unifi, Inc.	UFI	2	22		
Willamette Valley Vineyards, Inc.	WVVI	2	20	208		The Toro Company	TTC	3	35		
Willdan Group, Inc.	WLDN	8	87	871		WestRock Company	WRK	2	26	265	
						Air Products and Chemicals, Inc.	APD	2	28	281	

Appendix B: SIC Codes in which Companies (Main Set) are Included

Nautilus, Inc.	NLS	3	39		
RCI Hospitality Holdings, Inc.	RICK	5	58		
EZCORP, Inc.	EZPW	5	59		
PBF Energy Inc.	PBF	2	29	291	
Rambus Inc.	RMBS	6	67	679	6794
Connecticut Water Service, Inc.	CTWS	4	49	494	
GATX Corporation	GATX	4	47		
Landstar System, Inc.	LSTR	4	42		4213
Delta Air Lines, Inc.	DAL	4	45	451	
Seneca Foods Corporation	SENEA	2	20		
SJW Group	SJW	4	49	494	
Helmerich & Payne, Inc.	HP	1	13		
United States Lime & Minerals, Inc.	USLM	1	14		
New Jersey Resources Corporation	NJR	4	49	492	4924
Sprague Resources LP	SRLP	5	51	517	
Cross Country Healthcare, Inc.	CCRN	7	73	736	7363
American Tower Corporation (REIT)	AMT	6	67	679	6798
Avista Corporation	AVA	4	49	493	
Black Hills Corporation	BKH	4	49		
PulteGroup, Inc.	PHM	1	15		
Molina Healthcare, Inc.	MOH	6	63	632	6324
M/I Homes, Inc.	MHO	1	15		
Rogers Corporation	ROG	3			
Werner Enterprises, Inc.	WERN	4	42		4213
Under Armour, Inc.	UAA	2	23		
Flanigan's Enterprises, Inc.	BDL	5	58		5812
Build-A-Bear Workshop, Inc.	BBW	5	59	594	
NVR, Inc.	NVR	1	15		
Coca-Cola Consolidated, Inc.	COKE	2	20	208	
Franklin Covey Co.	FC	8	82		
Microchip Technology Incorporated	MCHP	3	36	367	3674
M.D.C. Holdings, Inc.	MDC	1	15		
CVS Health Corporation	CVS	5	59		
ePlus inc.	PLUS	5	50	504	5045
Ingles Markets, Incorporated	IMKTA	5	54	541	5411
Guess?, Inc.	GES	2	23		
D.R. Horton, Inc.	DHI	1	15		
Wolverine World Wide, Inc.	WWW	3			
Churchill Downs Incorporated	CHDN	7	79		
Lifetime Brands, Inc.	LCUT	3	34	342	
Spire Inc.	SR	4	49	492	4924
National Holdings Corporation	NHLD	6	62	621	
AmerisourceBergen Corporation	ABC	5	51	512	
Emmis Communications Corporation	EMMS	4	48	483	4832
Plains All American Pipeline, L.P.	PAA	5	51	517	
Henry Schein, Inc.	HSIC	5	50	504	
Alico, Inc.	ALCO	1	10		
Limoneira Company	LMNR	1	10		
Ruth's Hospitality Group, Inc.	RUTH	5	58		5812
Speedway Motorsports, Inc.	TRK	7	79		
Bumrungrad Hospital Public Company Limited	BH	5	58		5812
Hanesbrands Inc.	HBI	2	23		
HCI Group, Inc.	HCI	6	63	633	
ArcBest Corporation	ARCB	4	42		4213
CarMax, Inc.	KMX	5	55		
Security National Financial Corporation	SNFCA	6			
The Greenbrier Companies, Inc.	GBX	3	37		
Public Service Enterprise Group Incorporated	PEG	4	49	493	
Reading International, Inc.	RDI	7			
Lennar Corporation	LEN	1	15		
UniFirst Corporation	UNF	2	23		
DowDuPont Inc.	DWDP	2	28		
Nexstar Media Group, Inc.	NXST	4	48	483	4833
LRAD Corporation	LRAD	3	36		
CBS Corporation	CBS	4	48		
Caterpillar Inc.	CAT	3			
Activision Blizzard, Inc.	ATVI	7	73	737	7372
Atlas Air Worldwide Holdings, Inc.	AAWW	4	45		
Cavco Industries, Inc.	CVCO	2	24		
Martin Marietta Materials, Inc.	MLM	1	14		
Johnson Outdoors Inc.	JOUT	3			
Ralph Lauren Corporation	RL	2	23		
SunCoke Energy, Inc.	SXC	3	33	331	
ALLETE, Inc.	ALE	4	49		
Jefferies Financial Group Inc.	JEF	6	62	621	
Stericycle, Inc.	SRCL	4	49	495	
AAR Corp.	AIR	5	50	508	
Sotheby's	BID	7	73	738	
1-800-FLOWERS.COM, Inc.	FLWS	5	59	596	
Snap-on Incorporated	SNA	3			
The Container Store Group, Inc.	TCS	5	57		
Argan, Inc.	AGX	8	87	871	
The Cheesecake Factory Incorporated	CAKE	5	58		5812
Heidrick & Struggles International, Inc.	HSII	7	73	736	7361
AMERCO	UHAL	7			
Deere & Company	DE	3	35		
Sinclair Broadcast Group, Inc.	SBGI	4	48	483	4833
Eversource Energy	ES	4	49	493	
Greif, Inc.	GEF	2	26	265	
Exxon Mobil Corporation	XOM	2	29	291	
Olin Corporation	OLN	2	28		
General Motors Company	GM	3	37	371	3711
The Procter & Gamble Company	PG	2			
Office Depot, Inc.	ODP	5			
Materion Corporation	MTRN	3	33		
ONEOK, Inc.	OKE	4	49	492	
DaVita Inc.	DVA	8	80	809	
Teledyne Technologies Incorporated	TDY	3	38		
Gartner, Inc.	IT	8	87		
Renewable Energy Group, Inc.	REGI	2	29		
EMCOR Group, Inc.	EME	1			
Envision Communications Corporation	EVC	4	48	483	4833
Hawaiian Electric Industries, Inc.	HE	4	49	491	
AT&T Inc.	T	4	48	481	4812
Amazon.com, Inc.	AMZN	5	59	596	
World Wrestling Entertainment, Inc.	WWE	7			
IES Holdings, Inc.	IESC	1			

Appendix B: SIC Codes in which Companies (Main Set) are Included

Cardinal Health, Inc.	CAH	5	51	512	
Ryman Hospitality Properties, Inc.	RHP	6	67	679	6798
Northrop Grumman Corporation	NOC	3			
Illinois Tool Works Inc.	ITW	3			
Bassett Furniture Industries, Incorporated	BSET	2	25	251	
FONAR Corporation	FONR	8	80	807	
International Business Machines Corporation	IBM	7	73	737	
Cigna Corporation	CI	6	63	632	6324
SYNNEX Corporation	SNX	5	50	504	5045
SunCoke Energy Partners, L.P.	SXCP	3	33	331	
G-III Apparel Group, Ltd.	GIII	2	23		
A.H. Belo Corporation	AHC	2	27		
Aramark	ARMK	5	58		5812
UGI Corporation	UGI	4			
Harley-Davidson, Inc.	HOG	3	37		
Steel Dynamics, Inc.	STLD	3	33	331	
Eagle Materials Inc.	EXP	3	32		
U.S. Concrete, Inc.	USCR	3	32		
Conagra Brands, Inc.	CAG	2	20		
Movado Group, Inc.	MOV	3	38		
S&P Global Inc.	SPGI	7	73		
ADTRAN, Inc.	ADTN	3	36	366	
Craft Brew Alliance, Inc.	BREW	2	20	208	
John Wiley & Sons, Inc.	JW.A	2	27		
C.H. Robinson Worldwide, Inc.	CHRW	4			
Antero Resources Corporation	AR	1	13	131	
AirXpanders, Inc.	AXP	6	61		
Boise Cascade Company	BCC	5	50		
CSP Inc.	CSPI	7	73	737	7373
Canterbury Park Holding Corporation	CPHC	7	79		
Thermo Fisher Scientific Inc.	TMO	3	38	382	3826
UnitedHealth Group Incorporated	UNH	6	63	632	6324
Herman Miller, Inc.	MLHR	2	25	252	
Waste Management, Inc.	WM	4	49	495	
Forrester Research, Inc.	FORR	8	87		
Apogee Enterprises, Inc.	APOG	3			
Natural Alternatives International, Inc.	NAII	2	28	283	2834
Robert Half International Inc.	RHI	7	73	736	
Electronics for Imaging, Inc.	EFII	3	35	357	3577
Expedia Group, Inc.	EXPE	4	47		
Omniceil, Inc.	OMCL	7	73	737	7373
The Boeing Company	BA	3	37		
Bio-Techne Corporation	TECH	2	28	283	
EchoStar Corporation	SATS	3	36	366	3663
Rayonier Inc.	RYN	6	67	679	6798
Steven Madden, Ltd.	SHOO	3			
Domtar Corporation	UFS	2	26	262	
Cintas Corporation	CTAS	2	23		
Hexcel Corporation	HXL	2	28		
Nelnet, Inc.	NNI	6	61	614	
Martin Midstream Partners L.P.	MMLP	5	51	517	
Ciena Corporation	CIEN	3	36	366	
Eddie Stobart Logistics plc	ESL	3	38		
Franklin Electric Co., Inc.	FELE	3	36	362	3621
QUALCOMM Incorporated	QCOM	3	36	367	3674
Chevron Corporation	CVX	2	29	291	
Conn's, Inc.	CONN	5	57		
Loews Corporation	L	6			
PACCAR Inc	PCAR	3	37	371	3711
Digirad Corporation	DRAD	8	80	807	
Delek Logistics Partners, LP	DKL	5	51	517	
General Dynamics Corporation	GD	3			
Patrick Industries, Inc.	PATK	2	24		
Charles River Laboratories International, Inc.	CRL	8	87		
Viacom Inc.	VIAB	4	48	483	4833
Curtiss-Wright Corporation	CW	3			
ABM Industries Incorporated	ABM	7	73		
Stratus Properties Inc.	STRS	7			
Commercial Metals Company	CMC	3			
Twenty-First Century Fox, Inc.	TFCFA	4	48		
Lear Corporation	LEA	2	25		
HNI Corporation	HNI	2	25	252	
Raytheon Company	RTN	3			
The GEO Group, Inc.	GEO	6	67	679	6798

Appendix C:

Companies (High-Financial-Risk Set) in Each Industry, by SIC Code

Appendix C is a list of the High-Financial-Risk Set of companies used to calculate the metrics for a composite comprised of companies in the "High-Financial-Risk" category for each SIC code (data availability allowing) in the *2019 Valuation Handbook – U.S. Industry Cost of Capital* (data through March 2019).

Appendix C: Companies (High-Financial-Risk Set) in Each Industry, by SIC Code

SIC 1

Abraxas Petroleum Corporation
 Anadarko Petroleum Corporation
 Approach Resources, Inc.
 Basic Energy Services, Inc.
 Carrizo Oil & Gas, Inc.
 Cheniere Energy, Inc.
 CNX Resources Corporation
 Crestwood Equity Partners LP
 CSI Compressco LP
 Cypress Energy Partners, L.P.
 Emerge Energy Services LP
 Enservco Corporation
 EP Energy Corporation
 Gran Tierra Energy Inc.
 Great Lakes Dredge & Dock Corporation
 Gulfport Energy Corporation
 Hecla Mining Company
 Hess Corporation
 HighPoint Resources Corporation
 Hovnanian Enterprises, Inc.
 ION Geophysical Corporation
 Isramco, Inc.
 KBR, Inc.
 Kosmos Energy Ltd.
 Matador Resources Company
 Mid-Con Energy Partners, LP
 Noble Energy, Inc.
 Northern Oil and Gas, Inc.
 PDC Energy, Inc.
 Pioneer Energy Services Corp.
 QEP Resources, Inc.
 Range Resources Corporation
 S&W Seed Company
 SAExploration Holdings, Inc.
 SM Energy Company
 Summit Midstream Partners, LP
 Superior Energy Services, Inc.
 W&T Offshore, Inc.
 Whiting Petroleum Corporation
 WPX Energy, Inc.

Anadarko Petroleum Corporation
 Approach Resources, Inc.
 Basic Energy Services, Inc.
 Carrizo Oil & Gas, Inc.
 Cheniere Energy, Inc.
 CNX Resources Corporation
 Crestwood Equity Partners LP
 CSI Compressco LP
 Cypress Energy Partners, L.P.
 Enservco Corporation
 EP Energy Corporation
 Gran Tierra Energy Inc.
 Gulfport Energy Corporation
 Hess Corporation
 HighPoint Resources Corporation
 ION Geophysical Corporation
 Isramco, Inc.
 Kosmos Energy Ltd.
 Matador Resources Company
 Mid-Con Energy Partners, LP
 Noble Energy, Inc.
 Northern Oil and Gas, Inc.
 PDC Energy, Inc.
 Pioneer Energy Services Corp.
 QEP Resources, Inc.
 Range Resources Corporation
 SAExploration Holdings, Inc.
 SM Energy Company
 Summit Midstream Partners, LP
 Superior Energy Services, Inc.
 W&T Offshore, Inc.
 Whiting Petroleum Corporation
 WPX Energy, Inc.

Hess Corporation
 HighPoint Resources Corporation
 Kosmos Energy Ltd.
 Matador Resources Company
 Mid-Con Energy Partners, LP
 Noble Energy, Inc.
 Northern Oil and Gas, Inc.
 PDC Energy, Inc.
 QEP Resources, Inc.
 Range Resources Corporation
 SM Energy Company
 Summit Midstream Partners, LP
 W&T Offshore, Inc.
 Whiting Petroleum Corporation
 WPX Energy, Inc.

SIC 2

Acorda Therapeutics, Inc.
 Aemetis, Inc.
 Akorn, Inc.
 AMAG Pharmaceuticals, Inc.
 Assertio Therapeutics, Inc.
 Avon Products, Inc.
 Calumet Specialty Products Partners, L.P.
 Castle Brands Inc.
 China XD Plastics Company Limited
 Coty Inc.
 Cumberland Pharmaceuticals Inc.
 Cyanotech Corporation
 Element Solutions Inc
 Flotek Industries, Inc.
 Future FinTech Group Inc.
 Houghton Mifflin Harcourt Company
 INSYS Therapeutics, Inc.
 Koppers Holdings Inc.
 LSB Industries, Inc.
 News Corporation
 OMNOVA Solutions Inc.
 Primo Water Corporation
 Quad/Graphics, Inc.
 R.R. Donnelley & Sons Company
 Reliv' International, Inc.
 Resolute Forest Products Inc.
 Revlon, Inc.
 Teligent, Inc.
 The Dixie Group, Inc.
 The McClatchy Company
 tison AG
 TreeHouse Foods, Inc.

SIC 131

Abraxas Petroleum Corporation
 Anadarko Petroleum Corporation
 Approach Resources, Inc.
 Carrizo Oil & Gas, Inc.
 Cheniere Energy, Inc.
 CNX Resources Corporation
 Crestwood Equity Partners LP
 EP Energy Corporation
 Gran Tierra Energy Inc.
 Gulfport Energy Corporation

SIC 13

Abraxas Petroleum Corporation

Appendix C: Companies (High-Financial-Risk Set) in Each Industry, by SIC Code

Youngevity International, Inc.

Teligent, Inc.
Youngevity International, Inc.

Corporation
Newell Brands Inc.
NF Energy Saving Corporation
Nortech Systems Incorporated
Perma-Pipe International Holdings, Inc.
Pioneer Power Solutions, Inc.
RTI Surgical Holdings, Inc.
Scientific Games Corporation
SIFCO Industries, Inc.
SMTC Corporation
Summer Infant, Inc.
Superior Industries International, Inc.
Tesla, Inc.
The L.S. Starrett Company
The Manitowoc Company, Inc.
Titan International, Inc.
TransDigm Group Incorporated
Triumph Group, Inc.
United States Steel Corporation
Universal Stainless & Alloy Products, Inc.
Veeco Instruments Inc.
Viavi Solutions Inc.
VOXX International Corporation

SIC 27

Houghton Mifflin Harcourt Company
News Corporation
Quad/Graphics, Inc.
R.R. Donnelley & Sons Company
The McClatchy Company

SIC 3

3D Systems Corporation
Accuray Incorporated
Air Industries Group
AK Steel Holding Corporation
Allegheny Technologies Incorporated
Alphatec Holdings, Inc.
Ampco-Pittsburgh Corporation
Amtech Systems, Inc.
ARC Group Worldwide, Inc.
Art's-Way Manufacturing Co., Inc.
Avid Technology, Inc.
Broadwind Energy, Inc.
CECO Environmental Corp.
Century Aluminum Company
Chart Industries, Inc.
China Recycling Energy Corporation
Cypress Semiconductor Corporation
DENTSPLY SIRONA Inc.
Diebold Nixdorf, Incorporated
Eastman Kodak Company
Extreme Networks, Inc.
Ford Motor Company

SIC 28

Acorda Therapeutics, Inc.
Aemetis, Inc.
Akorn, Inc.
AMAG Pharmaceuticals, Inc.
Assertio Therapeutics, Inc.
Avon Products, Inc.
China XD Plastics Company Limited
Coty Inc.
Cumberland Pharmaceuticals Inc.
Cyanotech Corporation
Element Solutions Inc
Flotek Industries, Inc.
INSYS Therapeutics, Inc.
LSB Industries, Inc.
OMNOVA Solutions Inc.
Reliv' International, Inc.
Revlon, Inc.
Teligent, Inc.
Youngevity International, Inc.

Forum Energy Technologies, Inc.
FreightCar America, Inc.
Fuel Tech, Inc.
Harmonic Inc.
IEC Electronics Corp.
Invacare Corporation
Itron, Inc.
JAKKS Pacific, Inc.
Kennametal Inc.
Kingold Jewelry, Inc.
Lantronix, Inc.
Libbey Inc.
LSI Industries Inc.
MACOM Technology Solutions Holdings, Inc.
MagnaChip Semiconductor Corporation
Manitex International, Inc.
Mattel, Inc.
Micron Solutions, Inc.
National Oilwell Varco, Inc.

SIC 283

Acorda Therapeutics, Inc.
Akorn, Inc.
AMAG Pharmaceuticals, Inc.
Assertio Therapeutics, Inc.
Cumberland Pharmaceuticals Inc.
Cyanotech Corporation
INSYS Therapeutics, Inc.
Reliv' International, Inc.
Teligent, Inc.
Youngevity International, Inc.

SIC 33

AK Steel Holding Corporation
Allegheny Technologies Incorporated
Century Aluminum Company
United States Steel Corporation
Universal Stainless & Alloy Products, Inc.

SIC 2834

Akorn, Inc.
AMAG Pharmaceuticals, Inc.
Assertio Therapeutics, Inc.
Cumberland Pharmaceuticals Inc.
INSYS Therapeutics, Inc.
Reliv' International, Inc.

Ampco-Pittsburgh Corporation
ARC Group Worldwide, Inc.
NF Energy Saving Corporation
Perma-Pipe International Holdings, Inc.
The L.S. Starrett Company

SIC 34

SIC 35

3D Systems Corporation
Amtech Systems, Inc.

Appendix C: Companies (High-Financial-Risk Set) in Each Industry, by SIC Code

Art's-Way Manufacturing Co., Inc.
Broadwind Energy, Inc.
CECO Environmental Corp.
Diebold Nixdorf, Incorporated
Eastman Kodak Company
Extreme Networks, Inc.
Forum Energy Technologies, Inc.
Fuel Tech, Inc.
Kennametal Inc.
Lantronix, Inc.
Manitex International, Inc.
National Oilwell Varco, Inc.
Scientific Games Corporation
The Manitowoc Company, Inc.
Veeco Instruments Inc.
Viavi Solutions Inc.

SIC 357

Diebold Nixdorf, Incorporated
Eastman Kodak Company
Extreme Networks, Inc.
Lantronix, Inc.
Scientific Games Corporation
Viavi Solutions Inc.

SIC 36

China Recycling Energy Corporation
Cypress Semiconductor Corporation
Harmonic Inc.
IEC Electronics Corp.
LSI Industries Inc.
MACOM Technology Solutions Holdings, Inc.
MagnaChip Semiconductor Corporation
NeoPhotonics Corporation
Nortech Systems Incorporated
Pioneer Power Solutions, Inc.
SMTC Corporation

SIC 367

Cypress Semiconductor Corporation
IEC Electronics Corp.
MACOM Technology Solutions Holdings, Inc.
MagnaChip Semiconductor Corporation

NeoPhotonics Corporation
Nortech Systems Incorporated
SMTC Corporation

SIC 37

Air Industries Group
Ford Motor Company
FreightCar America, Inc.
Navistar International Corporation
SIFCO Industries, Inc.
Superior Industries International, Inc.
Tesla, Inc.
TransDigm Group Incorporated
Triumph Group, Inc.

SIC 38

Accuray Incorporated
Alphatec Holdings, Inc.
Avid Technology, Inc.
DENTSPLY SIRONA Inc.
Invacare Corporation
Itron, Inc.
Micron Solutions, Inc.
RTI Surgical Holdings, Inc.

SIC 384

Accuray Incorporated
Alphatec Holdings, Inc.
DENTSPLY SIRONA Inc.
Invacare Corporation
Micron Solutions, Inc.
RTI Surgical Holdings, Inc.

SIC 4

Avalon Holdings Corporation
Boingo Wireless, Inc.
Bristow Group Inc.
Casella Waste Systems, Inc.
Cumulus Media Inc.
EnLink Midstream, LLC
EQT Corporation
FirstEnergy Corp.
Frontier Communications Corporation
Globalstar, Inc.
Gogo Inc.
GTT Communications, Inc.
Hornbeck Offshore Services, Inc.
KVH Industries, Inc.
NRG Energy, Inc.
ORBCOMM Inc.
Perma-Fix Environmental Services, Inc.

PG&E Corporation
RigNet, Inc.
Roadrunner Transportation Systems, Inc.
Sprint Corporation
Targa Resources Corp.
Urban One Inc.
YRC Worldwide Inc.

SIC 48

Boingo Wireless, Inc.
Cumulus Media Inc.
Frontier Communications Corporation
Globalstar, Inc.
Gogo Inc.
GTT Communications, Inc.
KVH Industries, Inc.
ORBCOMM Inc.
RigNet, Inc.
Sprint Corporation
Urban One Inc.

SIC 49

Avalon Holdings Corporation
Casella Waste Systems, Inc.
EnLink Midstream, LLC
EQT Corporation
FirstEnergy Corp.
NRG Energy, Inc.
Perma-Fix Environmental Services, Inc.
PG&E Corporation
Targa Resources Corp.

SIC 5

Aceto Corporation
A-Mark Precious Metals, Inc.
Ascena Retail Group, Inc.
AutoZone, Inc.
Barnes & Noble, Inc.
Carrols Restaurant Group, Inc.
Christopher & Banks Corporation
Clean Energy Fuels Corp.
Destination Maternity Corporation
Destination XL Group, Inc.
Diversified Restaurant Holdings, Inc.
EVINE Live Inc.
Famous Dave's of America, Inc.
Ferrellgas Partners, L.P.
FTD Companies, Inc.
GCI Liberty Inc.
Good Times Restaurants

Appendix C: Companies (High-Financial-Risk Set) in Each Industry, by SIC Code

Inc.
J. C. Penney Company,
Inc.
Kona Grill, Inc.
Liquidity Services, Inc.
Luby's, Inc.
MRC Global Inc.
NGL Energy Partners LP
Noodles & Company
Overstock.com, Inc.
Owens & Minor, Inc.
Premier, Inc.
Pyxus International, Inc.
Rite Aid Corporation
RTW Retailwinds, Inc.
Tailored Brands, Inc.
Tuesday Morning
Corporation
U.S. Auto Parts Network,
Inc.

SIC 56

Ascena Retail Group, Inc.
Christopher & Banks
Corporation
Destination Maternity
Corporation
Destination XL Group, Inc.
RTW Retailwinds, Inc.
Tailored Brands, Inc.

SIC 58

Carrols Restaurant Group,
Inc.
Diversified Restaurant
Holdings, Inc.
Famous Dave's of
America, Inc.
Good Times Restaurants
Inc.
Kona Grill, Inc.
Luby's, Inc.
Noodles & Company

SIC 5812

Carrols Restaurant Group,
Inc.
Diversified Restaurant
Holdings, Inc.
Famous Dave's of
America, Inc.
Good Times Restaurants
Inc.
Kona Grill, Inc.
Luby's, Inc.
Noodles & Company

SIC 59

Barnes & Noble, Inc.
EVINE Live Inc.
Ferrellgas Partners, L.P.
FTD Companies, Inc.
GCI Liberty Inc.

Liquidity Services, Inc.
Overstock.com, Inc.
U.S. Auto Parts Network,
Inc.

SIC 596

EVINE Live Inc.
FTD Companies, Inc.
GCI Liberty Inc.
Liquidity Services, Inc.
Overstock.com, Inc.
U.S. Auto Parts Network,
Inc.

SIC 6

AG Mortgage Investment
Trust, Inc.
AGNC Investment Corp.
Ambac Financial Group,
Inc.
American Homes 4 Rent
American Realty
Investors, Inc.
Arlington Asset
Investment Corp.
ARMOUR Residential
REIT, Inc.
Ashford Hospitality Trust,
Inc.
Bluerock Residential
Growth REIT, Inc.
Brookfield DLTA Fund
Office Trust Investor
Capstead Mortgage
Corporation
CBL & Associates
Properties, Inc.
Cedar Realty Trust, Inc.
Cherokee Inc.
Cherry Hill Mortgage
Investment Corporation
Chimera Investment
Corporation
Choice Hotels
International, Inc.
Citizens, Inc.
Colony Capital, Inc.
Condor Hospitality Trust,
Inc.
Consumer Portfolio
Services, Inc.
CyrusOne Inc.
Dine Brands Global, Inc.
Dynex Capital, Inc.
Ellington Financial Inc.
Ellington Residential
Mortgage REIT
Envestnet, Inc.
Everi Holdings Inc.
Exantas Capital Corp.
Genworth Financial, Inc.
Gladstone Commercial
Corporation

Gladstone Land
Corporation
Hamilton Bancorp, Inc.
Hunt Companies Finance
Trust, Inc.
Iconix Brand Group, Inc.
InnSuites Hospitality
Trust
INTL FCStone Inc.
iStar Inc.
JMP Group LLC
Kite Realty Group Trust
Ladenburg Thalmann
Financial Services Inc.
MBIA Inc.
Medley Capital
Corporation
MoneyGram International,
Inc.
MVC Capital, Inc.
Navient Corporation
New England Realty
Associates Limited
Partnership
New York Mortgage Trust,
Inc.
Oaktree Specialty Lending
Corporation
Och-Ziff Capital
Management Group LLC
Office Properties Income
Trust
Payment Data Systems,
Inc.
Pennsylvania Real Estate
Investment Trust
PennyMac Mortgage
Investment Trust
Power REIT
Preferred Apartment
Communities, Inc.
Redwood Trust, Inc.
Regional Health
Properties, Inc.
SBA Communications
Corporation
Sequential Brands Group,
Inc.
Severn Bancorp, Inc.
SITE Centers Corp.
Sotherly Hotels Inc.
StoneMor Partners L.P.
The Bancorp, Inc.
Transcontinental Realty
Investors, Inc.
Two Harbors Investment
Corp.
UMH Properties, Inc.
VEREIT, Inc.
Western Asset Mortgage
Capital Corporation

Appendix C: Companies (High-Financial-Risk Set) in Each Industry, by SIC Code

SIC 60

Everi Holdings Inc.
Hamilton Bancorp, Inc.
MoneyGram International, Inc.
Payment Data Systems, Inc.
Severn Bancorp, Inc.
The Bancorp, Inc.

SIC 62

Ellington Financial Inc.
Envestnet, Inc.
INTL FCStone Inc.
JMP Group LLC
Ladenburg Thalmann Financial Services Inc.
Och-Ziff Capital Management Group LLC

SIC 67

AG Mortgage Investment Trust, Inc.
AGNC Investment Corp.
American Homes 4 Rent
Arlington Asset Investment Corp.
ARMOUR Residential REIT, Inc.
Ashford Hospitality Trust, Inc.
Bluerock Residential Growth REIT, Inc.
Brookfield DLTA Fund Office Trust Investor
Capstead Mortgage Corporation
CBL & Associates Properties, Inc.
Cedar Realty Trust, Inc.
Cherokee Inc.
Cherry Hill Mortgage Investment Corporation
Chimera Investment Corporation
Choice Hotels International, Inc.
Colony Capital, Inc.
Condor Hospitality Trust, Inc.
CyrusOne Inc.
Dine Brands Global, Inc.
Dynex Capital, Inc.
Ellington Residential Mortgage REIT
Exantas Capital Corp.
Gladstone Commercial Corporation
Gladstone Land Corporation
Hunt Companies Finance Trust, Inc.
Iconix Brand Group, Inc.

InnSuites Hospitality Trust
iStar Inc.
Kite Realty Group Trust
Medley Capital Corporation
MVC Capital, Inc.
New York Mortgage Trust, Inc.
Oaktree Specialty Lending Corporation
Office Properties Income Trust
Pennsylvania Real Estate Investment Trust
PennyMac Mortgage Investment Trust
Power REIT
Preferred Apartment Communities, Inc.
Redwood Trust, Inc.
Regional Health Properties, Inc.
SBA Communications Corporation
Sequential Brands Group, Inc.
SITE Centers Corp.
Sotherly Hotels Inc.
Two Harbors Investment Corp.
UMH Properties, Inc.
VEREIT, Inc.
Western Asset Mortgage Capital Corporation

SIC 679

AG Mortgage Investment Trust, Inc.
AGNC Investment Corp.
American Homes 4 Rent
Arlington Asset Investment Corp.
ARMOUR Residential REIT, Inc.
Ashford Hospitality Trust, Inc.
Bluerock Residential Growth REIT, Inc.
Brookfield DLTA Fund Office Trust Investor
Capstead Mortgage Corporation
CBL & Associates Properties, Inc.
Cedar Realty Trust, Inc.
Cherokee Inc.
Cherry Hill Mortgage Investment Corporation
Chimera Investment Corporation
Choice Hotels International, Inc.

Colony Capital, Inc.
Condor Hospitality Trust, Inc.
CyrusOne Inc.
Dine Brands Global, Inc.
Dynex Capital, Inc.
Ellington Residential Mortgage REIT
Exantas Capital Corp.
Gladstone Commercial Corporation
Gladstone Land Corporation
Hunt Companies Finance Trust, Inc.
Iconix Brand Group, Inc.
InnSuites Hospitality Trust
iStar Inc.
Kite Realty Group Trust
Medley Capital Corporation
MVC Capital, Inc.
New York Mortgage Trust, Inc.
Oaktree Specialty Lending Corporation
Office Properties Income Trust
Pennsylvania Real Estate Investment Trust
PennyMac Mortgage Investment Trust
Power REIT
Preferred Apartment Communities, Inc.
Redwood Trust, Inc.
Regional Health Properties, Inc.
SBA Communications Corporation
Sequential Brands Group, Inc.
SITE Centers Corp.
Sotherly Hotels Inc.
Two Harbors Investment Corp.
UMH Properties, Inc.
VEREIT, Inc.
Western Asset Mortgage Capital Corporation

SIC 6794

Cherokee Inc.
Choice Hotels International, Inc.
Dine Brands Global, Inc.
Iconix Brand Group, Inc.
Sequential Brands Group, Inc.

SIC 6798

Appendix C: Companies (High-Financial-Risk Set) in Each Industry, by SIC Code

AG Mortgage Investment Trust, Inc.
AGNC Investment Corp.
American Homes 4 Rent
Arlington Asset Investment Corp.
ARMOUR Residential REIT, Inc.
Ashford Hospitality Trust, Inc.
Bluerock Residential Growth REIT, Inc.
Brookfield DLTA Fund Office Trust Investor
Capstead Mortgage Corporation
CBL & Associates Properties, Inc.
Cedar Realty Trust, Inc.
Cherry Hill Mortgage Investment Corporation
Chimera Investment Corporation
Colony Capital, Inc.
Condor Hospitality Trust, Inc.
CyrusOne Inc.
Dynex Capital, Inc.
Ellington Residential Mortgage REIT
Exantas Capital Corp.
Gladstone Commercial Corporation
Gladstone Land Corporation
Hunt Companies Finance Trust, Inc.
InnSuites Hospitality Trust
iStar Inc.
Kite Realty Group Trust
New York Mortgage Trust, Inc.
Office Properties Income Trust
Pennsylvania Real Estate Investment Trust
PennyMac Mortgage Investment Trust
Power REIT
Preferred Apartment Communities, Inc.
Redwood Trust, Inc.
Regional Health Properties, Inc.
SBA Communications Corporation
SITE Centers Corp.
Sotherly Hotels Inc.
Two Harbors Investment Corp.
UMH Properties, Inc.
VEREIT, Inc.

Western Asset Mortgage Capital Corporation

SIC 7

AeroCentury Corp.
Allscripts Healthcare Solutions, Inc.
AMC Entertainment Holdings, Inc.
Ascent Capital Group, Inc.
Asure Software, Inc.
AutoWeb, Inc.
Avis Budget Group, Inc.
Bottomline Technologies (de), Inc.
Caesars Entertainment Corporation
CAI International, Inc.
Carbonite, Inc.
Cinedigm Corp.
Clear Channel Outdoor Holdings, Inc.
CorePoint Lodging Inc.
Endurance International Group Holdings, Inc.
Full House Resorts, Inc.
GEE Group, Inc.
General Finance Corporation
Glowpoint, Inc.
Golden Entertainment, Inc.
Groupon, Inc.
GSE Systems, Inc.
Hertz Global Holdings, Inc.
InnerWorkings, Inc.
Internap Corporation
Kratos Defense & Security Solutions, Inc.
Leaf Group Ltd.
Limelight Networks, Inc.
Live Nation Entertainment, Inc.
LivePerson, Inc.
National CineMedia, Inc.
NetSol Technologies, Inc.
Nuance Communications, Inc.
Paylocity Holding Corporation
Penn National Gaming, Inc.
PFSweb, Inc.
Rent-A-Center, Inc.
Ribbon Communications Inc.
SeaWorld Entertainment, Inc.
Synacor, Inc.
Synchronoss Technologies, Inc.
The Brink's Company
The InterGroup

Corporation
The KeyW Holding Corporation
The Meet Group, Inc.
The Rubicon Project, Inc.
TheStreet, Inc.
Town Sports International Holdings, Inc.
Unisys Corporation
VeriSign, Inc.
Willis Lease Finance Corporation

SIC 73

AeroCentury Corp.
Allscripts Healthcare Solutions, Inc.
Ascent Capital Group, Inc.
Asure Software, Inc.
AutoWeb, Inc.
Bottomline Technologies (de), Inc.
CAI International, Inc.
Carbonite, Inc.
Clear Channel Outdoor Holdings, Inc.
Endurance International Group Holdings, Inc.
GEE Group, Inc.
General Finance Corporation
Glowpoint, Inc.
Groupon, Inc.
GSE Systems, Inc.
InnerWorkings, Inc.
Internap Corporation
Kratos Defense & Security Solutions, Inc.
Leaf Group Ltd.
Limelight Networks, Inc.
LivePerson, Inc.
National CineMedia, Inc.
NetSol Technologies, Inc.
Nuance Communications, Inc.
Paylocity Holding Corporation
PFSweb, Inc.
Rent-A-Center, Inc.
Ribbon Communications Inc.
Synacor, Inc.
Synchronoss Technologies, Inc.
The Brink's Company
The KeyW Holding Corporation
The Meet Group, Inc.
The Rubicon Project, Inc.
TheStreet, Inc.
Unisys Corporation
VeriSign, Inc.

Appendix C: Companies (High-Financial-Risk Set) in Each Industry, by SIC Code

Willis Lease Finance
Corporation

SeaWorld Entertainment,
Inc.

Town Sports International
Holdings, Inc.

SIC 737

Allscripts Healthcare
Solutions, Inc.
Asure Software, Inc.
AutoWeb, Inc.
Bottomline Technologies
(de), Inc.
Carbonite, Inc.
Endurance International
Group Holdings, Inc.
Glowpoint, Inc.
Groupon, Inc.
GSE Systems, Inc.
Internap Corporation
Kratos Defense & Security
Solutions, Inc.
Leaf Group Ltd.
Limelight Networks, Inc.
LivePerson, Inc.
NetSol Technologies, Inc.
Nuance Communications,
Inc.
Paylocity Holding
Corporation
PFSweb, Inc.
Ribbon Communications
Inc.
Synacor, Inc.
Synchronoss
Technologies, Inc.
The KeyW Holding
Corporation
The Meet Group, Inc.
The Rubicon Project, Inc.
TheStreet, Inc.
Unisys Corporation
VeriSign, Inc.

SIC 79

Caesars Entertainment
Corporation
Full House Resorts, Inc.
Golden Entertainment,
Inc.
Live Nation
Entertainment, Inc.
Penn National Gaming,
Inc.
SeaWorld Entertainment,
Inc.
Town Sports International
Holdings, Inc.

SIC 799

Caesars Entertainment
Corporation
Full House Resorts, Inc.
Golden Entertainment,
Inc.
Penn National Gaming,
Inc.

SIC 8

AAC Holdings, Inc.
Bioanalytical Systems,
Inc.
BioScrip, Inc.
Brookdale Senior Living
Inc.
Capital Senior Living
Corporation
Community Health
Systems, Inc.
Diversicare Healthcare
Services, Inc.
Five Star Senior Living
Inc.
Hanger, Inc.
HCA Healthcare, Inc.
Hill International, Inc.
InfuSystem Holdings Inc.
Lincoln Educational
Services Corporation
NeoGenomics, Inc.
R1 RCM Inc.
Tenet Healthcare
Corporation
Universal Technical
Institute, Inc.

SIC 80

AAC Holdings, Inc.
BioScrip, Inc.
Brookdale Senior Living
Inc.
Community Health
Systems, Inc.
Diversicare Healthcare
Services, Inc.
Five Star Senior Living
Inc.
Hanger, Inc.
HCA Healthcare, Inc.
InfuSystem Holdings Inc.
NeoGenomics, Inc.
Tenet Healthcare
Corporation

Appendix D:

SIC Codes in which Companies (High-Financial-Risk Set) are Included

Appendix D is a list of the SIC codes in which each of the companies in the High-Financial-Risk Set of companies are included in the *2019 Valuation Handbook – U.S. Industry Cost of Capital* (data through March 2019).

Appendix D: SIC Codes in which Companies (High-Financial-Risk) are Included

Aemetis, Inc.	AMTX	2	28			Tailored Brands, Inc.	TLRD	5	56		
AGNC Investment Corp.	AGNC	6	67	679	6798	Targa Resources Corp.	TRGP	4	49		
Arlington Asset Investment Corp.	AI	6	67	679	6798	Tesla, Inc.	TSLA	3	37		
Ashford Hospitality Trust, Inc.	AHT	6	67	679	6798	The Meet Group, Inc.	MEET	7	73	737	
Asure Software, Inc.	ASUR	7	73	737		Town Sports International Holdings, Inc.	CLUB	7	79	799	
Avalon Holdings Corporation	AWX	4	49			UMH Properties, Inc.	UMH	6	67	679	6798
Bluerock Residential Growth REIT, Inc.						Universal Stainless & Alloy Products, Inc.	USAP	3	33		
Boingo Wireless, Inc.	BRG	6	67	679	6798	W&T Offshore, Inc.	WTI	1	13	131	
Brookdale Senior Living Inc.	BKD	8	80			Western Asset Mortgage Capital Corporation	WMC	6	67	679	6798
CAI International, Inc.	CAI	7	73	735		Whiting Petroleum Corporation	WLL	1	13	131	
Capital Senior Living Corporation	CSU	8				Willis Lease Finance Corporation	WLFC	7	73	735	
Carbonite, Inc.	CARB	7	73	737		YRC Worldwide Inc.	YRCW	4			
Casella Waste Systems, Inc.	CWST	4	49			3D Systems Corporation	DDD	3	35		
Cheniere Energy, Inc.	LNG	1	13	131		AAC Holdings, Inc.	AAC	8	80		
Chimera Investment Corporation	CIM	6	67	679	6798	Abraxas Petroleum Corporation	AXAS	1	13	131	
Choice Hotels International, Inc.	CHH	6	67	679	6794	Accuray Incorporated	ARAY	3	38	384	
Colony Capital, Inc.	CLNY	6	67	679	6798	Aceto Corporation	ACET	5			
Crestwood Equity Partners LP	CEQP	1	13	131		Acorda Therapeutics, Inc.	ACOR	2	28	283	
Cumberland Pharmaceuticals Inc.	CPIX	2	28	283	2834	AeroCentury Corp.	ACY	7	73	735	
Diebold Nixdorf, Incorporated	DBD	3	35	357		AG Mortgage Investment Trust, Inc.	MITT	6	67	679	6798
Dynex Capital, Inc.	DX	6	67	679	6798	Air Industries Group	AIRI	3	37		
Ellington Financial Inc.	EFC	6	62			AK Steel Holding Corporation	AKS	3	33		
Ellington Residential Mortgage REIT	EARN	6	67	679	6798	Akorn, Inc.	AKRX	2	28	283	2834
Endurance International Group Holdings, Inc.	EIGI	7	73	737		Allegheny Technologies Incorporated	ATI	3	33		
Envestnet, Inc.	ENV	6	62			Allscripts Healthcare Solutions, Inc.	MDRX	7	73	737	
Everi Holdings Inc.	EVRI	6	60			Alphatec Holdings, Inc.	ATEC	3	38	384	
Exantas Capital Corp.	XAN	6	67	679	6798	AMAG Pharmaceuticals, Inc.	AMAG	2	28	283	2834
Flotek Industries, Inc.	FTK	2	28			A-Mark Precious Metals, Inc.	AMRK	5			
Forum Energy Technologies, Inc.	FET	3	35			Ambac Financial Group, Inc.	AMBC	6			
FreightCar America, Inc.	RAIL	3	37			AMC Entertainment Holdings, Inc.	AMC	7			
GCI Liberty Inc.	GLIBA	5	59	596		American Homes 4 Rent	AMH	6	67	679	6798
Golden Entertainment, Inc.	GDEN	7	79	799		American Realty Investors, Inc.	ARL	6			
Great Lakes Dredge & Dock Corporation	GLDD	1				Ampco-Pittsburgh Corporation	AP	3	34		
GTT Communications, Inc.	GTT	4	48	489	4899	Amtech Systems, Inc.	ASYS	3	35		
Hecla Mining Company	HL	1				Anadarko Petroleum Corporation	APC	1	13	131	
Hertz Global Holdings, Inc.	HTZ	7				Approach Resources, Inc.	AREX	1	13	131	
Houghton Mifflin Harcourt Company	HMHC	2	27			ARC Group Worldwide, Inc.	ARCW	3	34		
InnerWorkings, Inc.	INWK	7	73			ARMOUR Residential REIT, Inc.	ARR	6	67	679	6798
Internap Corporation	INAP	7	73	737		Ascena Retail Group, Inc.	ASNA	5	56		
Itron, Inc.	ITRI	3	38			Ascent Capital Group, Inc.	ASCMA	7	73		
Kosmos Energy Ltd.	KOS	1	13	131		Assertio Therapeutics, Inc.	ASRT	2	28	283	2834
KVH Industries, Inc.	KVHI	4	48	489	4899	AutoWeb, Inc.	AUTO	7	73	737	
Manitex International, Inc.	MNTX	3	35			Avid Technology, Inc.	AVID	3	38		
MBIA Inc.	MBI	6				Avis Budget Group, Inc.	CAR	7			
MRC Global Inc.	MRC	5				Avon Products, Inc.	AVP	2	28		
NeoPhotonics Corporation	NPTN	3	36	367		The Bancorp, Inc.	TBBK	6	60		
Northern Oil and Gas, Inc.	NOG	1	13	131		Basic Energy Services, Inc.	BAS	1	13	138	
J. C. Penney Company, Inc.	JCP	5				BioScrip, Inc.	BIOS	8	80		
Preferred Apartment Communities, Inc.	APTS	6	67	679	6798	Bottomline Technologies (de), Inc.	EPAY	7	73	737	
R1 RCM Inc.	RCM	8				The Brink's Company	BCO	7	73		
Resolute Forest Products Inc.	RFP	2				Bristow Group Inc.	BRS	4			
Revlon, Inc.	REV	2	28			Broadwind Energy, Inc.	BWEN	3	35		
Ribbon Communications Inc.	RBBN	7	73	737		Brookfield DLTA Fund Office Trust Investor	DTLA.P	6	67	679	6798
RigNet, Inc.	RNET	4	48	489	4899	Caesars Entertainment Corporation	CZR	7	79	799	
RTW Retailwinds, Inc.	RTW	5	56			Calumet Specialty Products Partners, L.P.	CLMT	2			
SITE Centers Corp.	SITC	6	67	679	6798	Capstead Mortgage Corporation	CMO	6	67	679	6798
Sotherly Hotels Inc.	SOHO	6	67	679	6798						

Appendix D: SIC Codes in which Companies (High-Financial-Risk) are Included

Carrizo Oil & Gas, Inc.	CRZO	1	13	131		Gulfport Energy Corporation	GPOR	1	13	131	
Carrols Restaurant Group, Inc.	TAST	5	58		5812	Hamilton Bancorp, Inc.	HBK	6	60		
Castle Brands Inc.	ROX	2				Harmonic Inc.	HLIT	3	36		
CBL & Associates Properties, Inc	CBL	6	67	679	6798	HCA Healthcare, Inc.	HCA	8	80		
CECO Environmental Corp.	CECE	3	35			Hess Corporation	HES	1	13	131	
Cedar Realty Trust, Inc.	CDR	6	67	679	6798	HighPoint Resources Corporation	HPR	1	13	131	
Century Aluminum Company	CENX	3	33			Hill International, Inc.	HIL	8			
Chart Industries, Inc.	GTLS	3				Hornbeck Offshore Services, Inc.	HOS	4			
Cherokee Inc.	CHKE	6	67	679	6794	Hunt Companies Finance Trust, Inc.	HCFT	6	67	679	6798
Cherry Hill Mortgage Investment Corporation	CHMI	6	67	679	6798	Iconix Brand Group, Inc.	ICON	6	67	679	6794
China Recycling Energy Corporation	CREG	3	36			IEC Electronics Corp.	IEC	3	36	367	
China XD Plastics Company Limited	CXDC	2	28			InfuSystem Holdings Inc.	INFU	8	80		
Christopher & Banks Corporation	CBK	5	56			INSYS Therapeutics, Inc.	INSY	2	28	283	2834
Cinedigm Corp.	CIDM	7				INTL FCStone Inc.	INTL	6	62		
Citizens, Inc.	CIA	6				Isramco, Inc.	ISRL	1	13		
Clean Energy Fuels Corp.	CLNE	5				iStar Inc.	STAR	6	67	679	6798
Clear Channel Outdoor Holdings, Inc.	CCO	7	73			JAKKS Pacific, Inc.	JAKK	3			
Community Health Systems, Inc.	CYH	8	80			JMP Group LLC	JMP	6	62		
Condor Hospitality Trust, Inc.	CDOR	6	67	679	6798	Kennametal Inc.	KMT	3	35		
Consumer Portfolio Services, Inc.	CPSS	6				The KeyW Holding Corporation	KEYW	7	73	737	
Coty Inc.	COTY	2	28			Kingold Jewelry, Inc.	KGJI	3			
CSI Compressco LP	CCLP	1	13	138		Kite Realty Group Trust	KRG	6	67	679	6798
Cumulus Media Inc.	CMLS	4	48			Kona Grill, Inc.	KONA	5	58		5812
Cyanotech Corporation	CYAN	2	28	283		Koppers Holdings Inc.	KOP	2			
Cypress Energy Partners, L.P.	CELP	1	13	138		Ladenburg Thalmann Financial Services Inc.	LTS	6	62		
Cypress Semiconductor Corporation	CY	3	36	367		Lantronix, Inc.	LTRX	3	35	357	
CyrusOne Inc.	CONE	6	67	679	6798	Leaf Group Ltd.	LEAF	7	73	737	
DENTSPLY SIRONA Inc.	XRAY	3	38	384		Libbey Inc.	LBY	3			
Destination Maternity Corporation	DEST	5	56			Limelight Networks, Inc.	LLNW	7	73	737	
Destination XL Group, Inc.	DXLG	5	56			Lincoln Educational Services Corporation	LINC	8			
Diversicare Healthcare Services, Inc.	DVCR	8	80			Live Nation Entertainment, Inc.	LYV	7	79		
Diversified Restaurant Holdings, Inc.	SAUC	5	58		5812	LivePerson, Inc.	LPSN	7	73	737	
The Dixie Group, Inc.	DXYN	2				LSB Industries, Inc.	LXU	2	28		
Element Solutions Inc	ESI	2	28			LSI Industries Inc.	LYTS	3	36		
Emerge Energy Services LP	EMES	1				MACOM Technology Solutions Holdings, Inc.	MTSI	3	36	367	
EnLink Midstream, LLC	ENLC	4	49			The Manitowoc Company, Inc.	MTW	3	35		
Enservco Corporation	ENSV	1	13	138		Matador Resources Company	MTDR	1	13	131	
EP Energy Corporation	EPE	1	13	131		Mattel, Inc.	MAT	3			
EQT Corporation	EQT	4	49			The McClatchy Company	MNI	2	27		
EVINE Live Inc.	EVLV	5	59	596		Medley Capital Corporation	MCC	6	67	679	
Extreme Networks, Inc.	EXTR	3	35	357		Micron Solutions, Inc.	MICR	3	38	384	
Famous Dave's of America, Inc.	DAVE	5	58		5812	Mid-Con Energy Partners, LP	MCEP	1	13	131	
FirstEnergy Corp.	FE	4	49			MoneyGram International, Inc.	MGI	6	60		
Five Star Senior Living Inc.	FVE	8	80			MVC Capital, Inc.	MVC	6	67	679	
Frontier Communications Corporation	FTR	4	48			National CineMedia, Inc.	NCMI	7	73		
FTD Companies, Inc.	FTD	5	59	596		National Oilwell Varco, Inc.	NOV	3	35		
Fuel Tech, Inc.	FTEK	3	35			NeoGenomics, Inc.	NEO	8	80		
Full House Resorts, Inc.	FLL	7	79	799		NetSol Technologies, Inc.	NTWK	7	73	737	
Future FinTech Group Inc.	FTFT	2				New England Realty Associates Limited Partnership	NEN	6			
GEE Group, Inc.	JOB	7	73			New York Mortgage Trust, Inc.	NYMT	6	67	679	6798
Genworth Financial, Inc.	GNW	6				Newell Brands Inc.	NWL	3			
Gladstone Commercial Corporation	GOOD	6	67	679	6798	NF Energy Saving Corporation	BIMI	3	34		
Gladstone Land Corporation	LAND	6	67	679	6798	Noble Energy, Inc.	NBL	1	13	131	
Globalstar, Inc.	GSAT	4	48	489	4899	Noodles & Company	NDLS	5	58		5812
Glowpoint, Inc.	GLOW	7	73	737		Nortech Systems Incorporated	NSYS	3	36	367	
Good Times Restaurants Inc.	GTIM	5	58		5812	Nuance Communications, Inc.	NUAN	7	73	737	
Gran Tierra Energy Inc.	GTE	1	13	131		Oaktree Specialty Lending	OCSL	6	67	679	
Groupon, Inc.	GRPN	7	73	737							
GSE Systems, Inc.	GVP	7	73	737							

Appendix D: SIC Codes in which Companies (High-Financial-Risk) are Included

Corporation						U.S. Auto Parts Network, Inc.	PRTS	5	59	596	
Och-Ziff Capital Management Group LLC	OZM	6	62			Veeco Instruments Inc.	VECO	3	35		
Office Properties Income Trust	OPI	6	67	679	6798	VEREIT, Inc.	VER	6	67	679	6798
OMNOVA Solutions Inc.	OMN	2	28			VeriSign, Inc.	VERSN	7	73	737	
ORBCOMM Inc.	ORBC	4	48	489	4899	Viavi Solutions Inc.	VIAV	3	35	357	
tiscon AG	TIS	2				VOXX International Corporation	VOXX	3			
Paylocity Holding Corporation	PCY	7	73	737		WPX Energy, Inc.	WPX	1	13	131	
Payment Data Systems, Inc.	PYDS	6	60			Youngevity International, Inc.	YGYI	2	28	283	2834
PDC Energy, Inc.	PDCE	1	13	131		MagnaChip Semiconductor Corporation	MX	3	36	367	
Penn National Gaming, Inc.	PENN	7	79	799		Liquidity Services, Inc.	LQDT	5	59	596	
Pennsylvania Real Estate Investment Trust	PEI	6	67	679	6798	NRG Energy, Inc.	NRG	4	49		
PennyMac Mortgage Investment Trust	PMT	6	67	679	6798	United States Steel Corporation	X	3	33		
Perma-Fix Environmental Services, Inc.	PESI	4	49			Dine Brands Global, Inc.	DIN	6	67	679	6794
Perma-Pipe International Holdings, Inc.	PPIH	3	34			Overstock.com, Inc.	OSTK	5	59	596	
PG&E Corporation	PCG	4	49			NGL Energy Partners LP	NGL	5			
Pioneer Energy Services Corp.	PES	1	13	138		Navistar International Corporation	NAV	3	37		
Pioneer Power Solutions, Inc.	PPSI	3	36			Luby's, Inc.	LUB	5	58		5812
Power REIT	PW	6	67	679	6798	Barnes & Noble, Inc.	BKS	5	59		
Pyxus International, Inc.	PYX	5				AutoZone, Inc.	AZO	5			
QEP Resources, Inc.	QEP	1	13	131		Hovnanian Enterprises, Inc.	HOV	1			
Quad/Graphics, Inc.	QUAD	2	27			General Finance Corporation	GFN	7	73	735	
Range Resources Corporation	RRC	1	13	131		Navient Corporation	NAVI	6			
Redwood Trust, Inc.	RWT	6	67	679	6798	Tenet Healthcare Corporation	THC	8	80		
Regional Health Properties, Inc.	RHE	6	67	679	6798	CNX Resources Corporation	CNX	1	13	131	
Reliv' International, Inc.	RELV	2	28	283	2834	Invacare Corporation	IVC	3	38	384	
Rent-A-Center, Inc.	RCII	7	73	735		KBR, Inc.	KBR	1			
Rite Aid Corporation	RAD	5				Owens & Minor, Inc.	OMI	5			
Roadrunner Transportation Systems, Inc.	RRTS	4				Eastman Kodak Company	KODK	3	35	357	
RTI Surgical Holdings, Inc.	RTIX	3	38	384		Ford Motor Company	F	3	37		
The Rubicon Project, Inc.	RUBI	7	73	737		Triumph Group, Inc.	TGI	3	37		
S&W Seed Company	SANW	1				CorePoint Lodging Inc.	CPLG	7			
SAExploration Holdings, Inc.	SAEX	1	13	138		InnSuites Hospitality Trust	IHT	6	67	679	6798
SBA Communications Corporation	SBAC	6	67	679	6798	Ferrellgas Partners, L.P.	FGP	5	59		
SeaWorld Entertainment, Inc.	SEAS	7	79	799		Primo Water Corporation	PRMW	2			
Sequential Brands Group, Inc.	SQBG	6	67	679	6794	Bioanalytical Systems, Inc.	BASI	8			
Severn Bancorp, Inc.	SVBI	6	60			Gogo Inc.	GOGO	4	48	489	4899
SIFCO Industries, Inc.	SIF	3	37			Unisys Corporation	UIS	7	73	737	
SM Energy Company	SM	1	13	131		Art's-Way Manufacturing Co., Inc.	ARTW	3	35		
SMTC Corporation	SMTX	3	36	367		Kratos Defense & Security Solutions, Inc.	KTOS	7	73	737	
Sprint Corporation	S	4	48			Urban One Inc.	UONEK	4	48		
The L.S. Starrett Company	SCX	3	34			R.R. Donnelley & Sons Company	RRD	2	27		
Summer Infant, Inc.	SUMR	3				Superior Energy Services, Inc.	SPN	1	13	138	
Summit Midstream Partners, LP	SMLP	1	13	131		Hanger, Inc.	HNGR	8	80		
Superior Industries International, Inc.	SUP	3	37			StoneMor Partners L.P.	STON	6			
Synacor, Inc.	SYNC	7	73	737		PFSweb, Inc.	PFSW	7	73	737	
Synchronoss Technologies, Inc.	SNCR	7	73	737		The InterGroup Corporation	INTG	7			
Teligent, Inc.	TLGT	2	28	283	2834	Scientific Games Corporation	SGMS	3	35	357	
TheStreet, Inc.	TST	7	73	737		Premier, Inc.	PINC	5			
Titan International, Inc.	TWI	3				News Corporation	NWSA	2	27		
Transcontinental Realty Investors, Inc.	TCI	6				ION Geophysical Corporation	IO	1	13	138	
TransDigm Group Incorporated	TDG	3	37								
TreeHouse Foods, Inc.	THS	2									
Tuesday Morning Corporation	TUES	5									
Two Harbors Investment Corp.	TWO	6	67	679	6798						
Universal Technical Institute, Inc.	UTI	8									

Appendix E:

Industry List by SIC Code

Appendix E is a list of the U.S. industries analyzed in the *2019 Valuation Handbook – Industry Cost of Capital* (data through March 2019) by SIC code.

Appendix E: Industry List by SIC Code

1	Mining & Construction		
10	Metal Mining	3663	Radio and Television Broadcasting and Communications Equipment
13	Oil and Gas Extraction	367	Electronic Components and Accessories
131	Crude Petroleum and Natural Gas	3672	Printed Circuit Boards
14	Mining and Quarrying Of Nonmetallic Minerals, Except Fuels	3674	Semiconductors and Related Devices
	Building Construction General Contractors and Operative Builders	369	Miscellaneous Electrical Machinery, Equipment, and Supplies
15	Heavy Construction Other Than Building Construction	37	Transportation Equipment
16	Contractors	371	Motor Vehicles and Motor Vehicle Equipment
162	Heavy Construction, Except Highway and Street	3711	Motor Vehicles and Passenger Car Bodies
2	Manufacturing	3714	Motor Vehicle Parts and Accessories
20	Food and Kindred Products		
201	Meat Products	38	Measuring, Analyzing, and Controlling Instruments; Photographic, Medical and Optical Goods; Watches and Clocks
208	Beverages		Laboratory Apparatus and Analytical, Optical, Measuring, and Controlling Instruments
22	Textile Mill Products	382	
	Apparel and Other Finished Products Made From Fabrics and Similar Materials	3825	Instruments for Measuring and Testing of Electricity and Electrical Signals
23	Lumber and Wood Products, Except Furniture	3826	Laboratory Analytical Instruments
24	Furniture and Fixtures	384	Surgical, Medical, and Dental Instruments and Supplies
251	Household Furniture	3841	Surgical and Medical Instruments and Apparatus
252	Office Furniture	3842	Orthopedic, Prosthetic, and Surgical Appliances and Supplies
26	Paper and Allied Products	3845	Electromedical and Electrotherapeutic Apparatus
262	Paper Mills	39	Miscellaneous Manufacturing Industries
265	Paperboard Containers and Boxes		Transportation, Communications, Electric, Gas, and Sanitary Services
27	Printing, Publishing, and Allied Industries	4	
28	Chemicals and Allied Products	40	Railroad Transportation
281	Industrial Inorganic Chemicals	42	Motor Freight Transportation and Warehousing
283	Drugs	4213	Trucking, Except Local
2834	Pharmaceutical Preparations	45	Transportation By Air
2835	In Vitro and In Vivo Diagnostic Substances	451	Air Transportation, Scheduled, and Air Courier
2836	Biological Products, Except Diagnostic Substances	46	Pipelines, Except Natural Gas
	Soap, Detergents, and Cleaning Preparations; Perfumes, Cosmetics, and Other Toilet Preparations	47	Transportation Services
284		473	Arrangement Of Transportation Of Freight and Cargo
286	Industrial Organic Chemicals	48	Communications
287	Agricultural Chemicals	481	Telephone Communications
289	Miscellaneous Chemical Products	4812	Radiotelephone Communications
29	Petroleum Refining and Related Industries	4813	Telephone Communications, Except Radiotelephone
291	Petroleum Refining	483	Radio and Television Broadcasting Stations
3	Manufacturing	4832	Radio Broadcasting Stations
30	Rubber and Miscellaneous Plastics Products	4833	Television Broadcasting Stations
308	Miscellaneous Plastics Products	49	Electric, Gas, and Sanitary Services
32	Stone, Clay, Glass, and Concrete Products	491	Electric Services
33	Primary Metal Industries	492	Gas Production and Distribution
331	Steel Works, Blast Furnaces, and Rolling and Finishing Mills	4924	Natural Gas Distribution
	Fabricated Metal Products, Except Machinery and Transportation Equipment	493	Combination Electric and Gas, and Other Utility
34	Cutlery, Handtools, and General Hardware	494	Water Supply
342		495	Sanitary Services
	Industrial and Commercial Machinery and Computer Equipment	5	Wholesale Trade & Retail Trade
35	Construction, Mining, and Materials Handling	50	Wholesale Trade-durable Goods
353	Special Industry Machinery, Except Metalworking	504	Professional and Commercial Equipment and Supplies
355	Special Industry Machinery, Not Elsewhere Classified		
3559	General Industrial Machinery and Equipment	5045	Computers and Computer Peripheral Equipment and Software
356	Computer and Office Equipment	506	Electrical Goods
357	Computer Peripheral Equipment, Not Elsewhere Classified	508	Machinery, Equipment, and Supplies
3577		51	Wholesale Trade-non-durable Goods
	Electronic and Other Electrical Equipment and Components, Except Computer Equipment	512	Drugs, Drug Proprietaries, and Druggists' Sundries
36	Electrical Industrial Apparatus	514	Groceries and Related Products
362	Motors and Generators	517	Petroleum and Petroleum Products
3621	Communications Equipment		Petroleum and Petroleum Products Wholesalers, Except Bulk Stations and Terminals
366		5172	

Appendix E: Industry List by SIC Code

53	General Merchandise Stores	82	Educational Services
533	Variety Stores		Engineering, Accounting, Research, Management, and Related Services
54	Food Stores	87	
541	Grocery Stores	871	Engineering, Architectural, and Surveying
5411	Grocery Stores	874	Management and Public Relations Services
55	Automotive Dealers and Gasoline Service Stations	8742	Management Consulting Services
56	Apparel and Accessory Stores		
565	Family Clothing Stores		
57	Home Furniture, Furnishings, and Equipment Stores		
58	Eating and Drinking Places		
5812	Eating Places		
59	Miscellaneous Retail		
594	Miscellaneous Shopping Goods Stores		
596	Nonstore Retailers		
6	Finance, Insurance, and Real Estate		
60	Depository Institutions		
602	Commercial Banks		
603	Savings Institutions		
6035	Savings Institutions, Federally Chartered		
6036	Savings Institutions, Not Federally Chartered		
61	Non-depository Credit Institutions		
614	Personal Credit Institutions		
616	Mortgage Bankers and Brokers		
6162	Mortgage Bankers and Loan Correspondents		
	Security and Commodity Brokers, Dealers, Exchanges, and Services		
62			
621	Security Brokers, Dealers, and Flotation		
628	Services Allied With The Exchange Of Securities		
63	Insurance Carriers		
631	Life Insurance		
632	Accident and Health Insurance and Medical		
6324	Hospital and Medical Service Plans		
633	Fire, Marine, and Casualty Insurance		
64	Insurance Agents, Brokers, and Service		
65	Real Estate		
651	Real Estate Operators (except Developers) and Lessors		
653	Real Estate Agents and Managers		
67	Holding and Other Investment Offices		
679	Miscellaneous Investing		
6794	Patent Owners and Lessors		
6798	Real Estate Investment Trusts		
7	Services		
70	Hotels, Rooming Houses, Camps, and Other Lodging Places		
73	Business Services		
736	Personnel Supply Services		
7361	Employment Agencies		
7363	Help Supply Services		
	Computer Programming, Data Processing, and Other Computer Related Services		
737			
7372	Prepackaged Software		
7373	Computer Integrated Systems Design		
	Computer Processing and Data Preparation and Processing Services		
7374			
738	Miscellaneous Business Services		
79	Amusement and Recreation Services		
799	Miscellaneous Amusement and Recreation		
8	Services		
80	Health Services		
807	Medical and Dental Laboratories		
809	Miscellaneous Health and Allied Services, Not		

Appendix F:

Industry List by Industry Name (alphabetical)

Appendix F is a list of the U.S. industries analyzed in *the 2019 Valuation Handbook – U.S. Industry Cost of Capital* (data through March 2019) in alphabetical order.

Accident and Health Insurance and Medical	632	Groceries and Related Products	514
Agricultural Chemicals	287	Grocery Stores	541
Air Transportation, Scheduled, and Air Courier	451	Grocery Stores	5411
Amusement and Recreation Services	79	Health Services	80
Apparel and Accessory Stores	56	Heavy Construction Other Than Building Construction Contractors	16
Apparel and Other Finished Products Made From Fabrics and Similar Materials	23	Heavy Construction, Except Highway and Street	162
Arrangement Of Transportation Of Freight and Cargo	473	Help Supply Services	7363
Automotive Dealers and Gasoline Service Stations	55	Holding and Other Investment Offices	67
Beverages	208	Home Furniture, Furnishings, and Equipment Stores	57
Biological Products, Except Diagnostic Substances	2836	Hospital and Medical Service Plans	6324
Building Construction General Contractors and Operative Builders	15	Hotels, Rooming Houses, Camps, and Other Lodging Places	70
Business Services	73	Household Furniture	251
Chemicals and Allied Products	28	In Vitro and In Vivo Diagnostic Substances	2835
Combination Electric and Gas, and Other Utility	493	Industrial and Commercial Machinery and Computer Equipment	35
Commercial Banks	602	Industrial Inorganic Chemicals	281
Communications	48	Industrial Organic Chemicals	286
Communications Equipment	366	Instruments for Measuring and Testing of Electricity and Electrical Signals	3825
Computer and Office Equipment	357	Insurance Agents, Brokers, and Service	64
Computer Integrated Systems Design	7373	Insurance Carriers	63
Computer Peripheral Equipment, Not Elsewhere Classified	3577	Laboratory Analytical Instruments	3826
Computer Processing and Data Preparation and Processing Services	7374	Laboratory Apparatus and Analytical, Optical, Measuring, and Controlling Instruments	382
Computer Programming, Data Processing, and Other Computer Related Services	737	Life Insurance	631
Computers and Computer Peripheral Equipment and Software	5045	Lumber and Wood Products, Except Furniture	24
Construction, Mining, and Materials Handling	353	Machinery, Equipment, and Supplies	508
Crude Petroleum and Natural Gas	131	Management and Public Relations Services	874
Cutlery, Handtools, and General Hardware	342	Management Consulting Services	8742
Depository Institutions	60	Manufacturing	2
Drugs	283	Manufacturing	3
Drugs, Drug Proprietaries, and Druggists' Sundries	512	Measuring, Analyzing, and Controlling Instruments; Photographic, Medical and Optical Goods; Watches and Clocks	38
Eating and Drinking Places	58	Meat Products	201
Eating Places	5812	Medical and Dental Laboratories	807
Educational Services	82	Metal Mining	10
Electric Services	491	Mining & Construction	1
Electric, Gas, and Sanitary Services	49	Mining and Quarrying Of Nonmetallic Minerals, Except Fuels	14
Electrical Goods	506	Miscellaneous Amusement and Recreation	799
Electrical Industrial Apparatus	362	Miscellaneous Business Services	738
Electromedical and Electrotherapeutic Apparatus	3845	Miscellaneous Chemical Products	289
Electronic and Other Electrical Equipment and Components, Except Computer Equipment	36	Miscellaneous Electrical Machinery, Equipment, and Supplies	369
Electronic Components and Accessories	367	Miscellaneous Health and Allied Services, Not	809
Employment Agencies	7361	Miscellaneous Investing	679
Engineering, Accounting, Research, Management, and Related Services	87	Miscellaneous Manufacturing Industries	39
Engineering, Architectural, and Surveying	871	Miscellaneous Plastics Products	308
Fabricated Metal Products, Except Machinery and Transportation Equipment	34	Miscellaneous Retail	59
Family Clothing Stores	565	Miscellaneous Shopping Goods Stores	594
Finance, Insurance, and Real Estate	6	Mortgage Bankers and Brokers	616
Fire, Marine, and Casualty Insurance	633	Mortgage Bankers and Loan Correspondents	6162
Food and Kindred Products	20	Motor Freight Transportation and Warehousing	42
Food Stores	54	Motor Vehicle Parts and Accessories	3714
Furniture and Fixtures	25	Motor Vehicles and Motor Vehicle Equipment	371
Gas Production and Distribution	492	Motor Vehicles and Passenger Car Bodies	3711
General Industrial Machinery and Equipment	356	Motors and Generators	3621
General Merchandise Stores	53	Natural Gas Distribution	4924
		Non-depository Credit Institutions	61
		Nonstore Retailers	596

Office Furniture	252	Trucking, Except Local	4213
Oil and Gas Extraction	13	Variety Stores	533
Orthopedic, Prosthetic, and Surgical Appliances and Supplies	3842	Water Supply	494
Paper and Allied Products	26	Wholesale Trade & Retail Trade	5
Paper Mills	262	Wholesale Trade-durable Goods	50
Paperboard Containers and Boxes	265	Wholesale Trade-non-durable Goods	51
Patent Owners and Lessors	6794		
Personal Credit Institutions	614		
Personnel Supply Services	736		
Petroleum and Petroleum Products	517		
Petroleum and Petroleum Products Wholesalers, Except Bulk Stations and Terminals	5172		
Petroleum Refining	291		
Petroleum Refining and Related Industries	29		
Pharmaceutical Preparations	2834		
Pipelines, Except Natural Gas	46		
Prepackaged Software	7372		
Primary Metal Industries	33		
Printed Circuit Boards	3672		
Printing, Publishing, and Allied Industries	27		
Professional and Commercial Equipment and Supplies	504		
Radio and Television Broadcasting and Communications Equipment	3663		
Radio and Television Broadcasting Stations	483		
Radio Broadcasting Stations	4832		
Radiotelephone Communications	4812		
Railroad Transportation	40		
Real Estate	65		
Real Estate Agents and Managers	653		
Real Estate Investment Trusts	6798		
Real Estate Operators (except Developers) and Lessors	651		
Rubber and Miscellaneous Plastics Products	30		
Sanitary Services	495		
Savings Institutions	603		
Savings Institutions, Federally Chartered	6035		
Savings Institutions, Not Federally Chartered	6036		
Security and Commodity Brokers, Dealers, Exchanges, and Services	62		
Security Brokers, Dealers, and Flotation	621		
Semiconductors and Related Devices	3674		
Services	7		
Services	8		
Services Allied With The Exchange Of Securities	628		
Soap, Detergents, and Cleaning Preparations; Perfumes, Cosmetics, and Other Toilet Preparations	284		
Special Industry Machinery, Except Metalworking	355		
Special Industry Machinery, Not Elsewhere Classified	3559		
Steel Works, Blast Furnaces, and Rolling and Finishing Mills	331		
Stone, Clay, Glass, and Concrete Products	32		
Surgical and Medical Instruments and Apparatus	3841		
Surgical, Medical, and Dental Instruments and Supplies	384		
Telephone Communications	481		
Telephone Communications, Except Radiotelephone	4813		
Television Broadcasting Stations	4833		
Textile Mill Products	22		
Transportation By Air	45		
Transportation Equipment	37		
Transportation Services	47		
Transportation, Communications, Electric, Gas, and Sanitary Services	4		