

## Schwab 1000 Index Daily Constituents as of 09/19/2019

Company Name	Ticker Symbol	Weighting
Microsoft Corp	MSFT	3.8611%
Apple Inc.	AAPL	3.4498%
Amazon.com Inc	AMZN	2.6907%
Facebook Inc A	FB	1.6317%
Berkshire Hathaway B	BRK.B	1.4481%
JP Morgan Chase & Co	JPM	1.3833%
Alphabet Inc C	GOOG	1.3560%
Alphabet Inc A	GOOGL	1.3249%
Johnson & Johnson	JNJ	1.2339%
Exxon Mobil Corp	XOM	1.0931%
Visa Inc A	V	1.0930%
Procter & Gamble	PG	1.0921%
AT&T Inc	T	0.9684%
Bank of America Corp	BAC	0.9419%
Home Depot Inc	HD	0.8965%
Verizon Communications Inc	VZ	0.8860%
Mastercard Inc A	MA	0.8858%
Chevron Corp	CVX	0.8414%
Walt Disney Co	DIS	0.8312%
Intel Corp	INTC	0.8247%
Unitedhealth Group Inc	UNH	0.7904%
Merck & Co Inc	MRK	0.7722%
Comcast Corp A	CMCSA	0.7552%
Cisco Systems Inc	CSCO	0.7521%
Coca-Cola Co	KO	0.7477%
Pfizer Inc	PFE	0.7240%
Boeing Co	BA	0.7185%
Wells Fargo & Co	WFC	0.7066%
PepsiCo Inc	PEP	0.6784%
Walmart Inc.	WMT	0.5851%
Citigroup Inc	C	0.5760%
McDonald's Corp	MCD	0.5742%
Medtronic plc	MDT	0.5316%
Abbott Laboratories	ABT	0.5245%
Adobe Inc.	ADBE	0.4902%
Salesforce.com	CRM	0.4686%
Oracle Corp	ORCL	0.4626%

Company Name	Ticker Symbol	Weighting
Intl Business Machines Corp	IBM	0.4528%
Costco Wholesale Corp	COST	0.4521%
NetFlix Inc	NFLX	0.4476%
PayPal Holdings Inc.	PYPL	0.4454%
Accenture plc A	ACN	0.4435%
Honeywell Intl Inc	HON	0.4335%
Texas Instruments Inc	TXN	0.4317%
Amgen Inc	AMGN	0.4262%
Union Pacific Corp	UNP	0.4225%
Thermo Fisher Scientific	TMO	0.4218%
Broadcom Inc	AVGO	0.4109%
Philip Morris International	PM	0.3985%
United Technologies Corp	UTX	0.3985%
Starbucks Corp	SBUX	0.3961%
NIKE Inc B	NKE	0.3937%
Nvidia Corp	NVDA	0.3849%
NextEra Energy Inc	NEE	0.3847%
AbbVie Inc.	ABBV	0.3784%
Linde plc	LIN	0.3766%
American Tower Corp A	AMT	0.3585%
Eli Lilly & Co	LLY	0.3529%
Lockheed Martin	LMT	0.3454%
3M Co	MMM	0.3440%
QUALCOMM Inc	QCOM	0.3397%
Danaher Corp	DHR	0.3280%
Booking Holdings Inc	BKNG	0.3183%
Lowe's Cos Inc	LOW	0.3128%
Gilead Sciences Inc	GILD	0.2996%
US Bancorp	USB	0.2983%
United Parcel Service Inc B	UPS	0.2968%
CVS Health Corporation	CVS	0.2953%
General Electric Co	GE	0.2934%
Fidelity National Information	FIS	0.2931%
Bristol-Myers Squibb	BMY	0.2925%
American Express Co	AXP	0.2881%
Mondelez International Inc	MDLZ	0.2832%
CME Group Inc A	CME	0.2710%
Altria Group Inc	MO	0.2681%
Caterpillar Inc	CAT	0.2658%
Charter Communications Inc A	CHTR	0.2626%

Company Name	Ticker Symbol	Weighting
Goldman Sachs Group Inc	GS	0.2616%
Chubb Limited	CB	0.2592%
Intuit Inc	INTU	0.2500%
Celgene Corp	CELG	0.2493%
Automatic Data Processing	ADP	0.2477%
Becton Dickinson & Co	BDX	0.2470%
Duke Energy Corp	DUK	0.2457%
TJX Cos Inc	TJX	0.2446%
Stryker Corp	SYK	0.2445%
ConocoPhillips	COP	0.2421%
Anthem Inc	ANTM	0.2347%
Dominion Energy Inc	D	0.2319%
Northrop Grumman Corp	NOC	0.2278%
PNC Finl Services Group	PNC	0.2274%
Southern Co	SO	0.2270%
S&P Global Inc	SPGI	0.2257%
Cigna Corporation	CI	0.2232%
Intuitive Surgical Inc	ISRG	0.2183%
Colgate-Palmolive Co	CL	0.2176%
Boston Scientific Corp	BSX	0.2139%
Fiserv Inc	FISV	0.2135%
Zoetis Inc	ZTS	0.2125%
Crown Castle Intl Corp	CCI	0.2097%
Morgan Stanley	MS	0.2010%
Raytheon Co	RTN	0.1983%
Target Corp	TGT	0.1974%
Micron Technology Inc	MU	0.1969%
CSX Corporation	CSX	0.1944%
ProLogis Inc	PLD	0.1916%
DuPont de Nemours Inc.	DD	0.1901%
BlackRock Inc	BLK	0.1887%
Intercontinental Exchange Inc	ICE	0.1884%
Schlumberger Ltd	SLB	0.1868%
Marsh & McLennan Companies	MMC	0.1867%
Deere & Co	DE	0.1862%
General Dynamics	GD	0.1825%
Allergan plc	AGN	0.1824%
Charles Schwab Corp	SCHW	0.1821%
American Intl Group Inc	AIG	0.1798%
Ecolab Inc	ECL	0.1780%

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General Motors Company	GM	0.1780%
ServiceNow Inc.	NOW	0.1773%
Air Products & Chemicals Inc	APD	0.1748%
Norfolk Southern Corp	NSC	0.1735%
Applied Materials Inc	AMAT	0.1728%
Equinix Inc	EQIX	0.1709%
Simon Property Group A	SPG	0.1706%
L3Harris Technologies Inc	LHX	0.1693%
EOG Resources	EOG	0.1692%
Illinois Tool Works Inc	ITW	0.1669%
Aon plc	AON	0.1669%
Exelon Corp	EXC	0.1658%
Kimberly-Clark	KMB	0.1647%
American Electric Power	AEP	0.1642%
Biogen Inc	BIIB	0.1632%
Metlife Inc	MET	0.1625%
Vertex Pharmaceuticals Inc	VRTX	0.1611%
Illumina Inc	ILMN	0.1602%
Edwards Lifesciences Corp	EW	0.1602%
Waste Management Inc	WM	0.1601%
Sherwin-Williams Co	SHW	0.1595%
Progressive Corp	PGR	0.1581%
Capital One Financial	COF	0.1564%
Phillips 66	PSX	0.1538%
Analog Devices Inc	ADI	0.1530%
Walgreens Boots Alliance Inc	WBA	0.1515%
Estee Lauder Cos. A	EL	0.1511%
Activision Blizzard Inc	ATVI	0.1505%
Baxter Intl Inc	BAX	0.1482%
The Bank of New York Mellon Corp	BK	0.1478%
Occidental Petroleum	OXY	0.1464%
Dollar General Corp	DG	0.1447%
BB&T Corp	BBT	0.1444%
Kinder Morgan Inc	KMI	0.1439%
Emerson Electric Co	EMR	0.1431%
Ross Stores Inc	ROST	0.1425%
AFLAC Inc	AFL	0.1400%
Sempra Energy	SRE	0.1380%
Travelers Cos Inc	TRV	0.1375%
Humana Inc	HUM	0.1343%

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Public Storage	PSA	0.1342%
Sysco Corp	SYU	0.1324%
Roper Technologies, Inc	ROP	0.1322%
FedEx Corp	FDX	0.1305%
Welltower Inc	WELL	0.1292%
Prudential Financial Inc	PRU	0.1291%
Cognizant Tech Solutions Corp	CTSH	0.1291%
Allstate Corp	ALL	0.1289%
Marriott Intl A	MAR	0.1279%
Eaton Corp plc	ETN	0.1277%
Marathon Petroleum Corp.	MPC	0.1276%
Moody's Corp	MCO	0.1276%
Dow Inc	DOW	0.1274%
Ford Motor Co	F	0.1274%
Lam Research Corp	LRCX	0.1268%
Johnson Controls International plc	JCI	0.1252%
Delta Air Lines	DAL	0.1249%
Yum! Brands Inc	YUM	0.1247%
Valero Energy Corp	VLO	0.1245%
Constellation Brands Inc A	STZ	0.1238%
Tesla, Inc	TSLA	0.1215%
HCA Healthcare Inc	HCA	0.1209%
Autodesk Inc	ADSK	0.1203%
eBay Inc.	EBAY	0.1182%
Xcel Energy Inc	XEL	0.1181%
General Mills Inc	GIS	0.1163%
Newmont Goldcorp Corp	NEM	0.1153%
TE Connectivity Ltd.	TEL	0.1136%
Equity Residential	EQR	0.1131%
Twitter Inc	TWTR	0.1120%
Public Service Enterprise Grp	PEG	0.1114%
ONEOK Inc	OKE	0.1107%
O'Reilly Automotive	ORLY	0.1090%
SunTrust Banks Inc (GA)	STI	0.1080%
The Williams Companies Inc	WMB	0.1074%
Consolidated Edison Inc	ED	0.1073%
Ingersoll-Rand Plc	IR	0.1068%
Electronic Arts	EA	0.1056%
WEC Energy Group Inc	WEC	0.1053%
AvalonBay Communities Inc	AVB	0.1049%

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Zimmer Biomet Holdings Inc	ZBH	0.1022%
PPG Industries Inc	PPG	0.1018%
SBA Communications Corp	SBAC	0.1016%
AutoZone Inc	AZO	0.1014%
VF Corp	VFC	0.1013%
HP Inc	HPQ	0.1009%
Amphenol Corp A	APH	0.1006%
Workday Inc. A	WDAY	0.1000%
Hilton Worldwide Holdings Inc	HLT	0.0996%
McKesson Corp	MCK	0.0989%
Motorola Solutions Inc	MSI	0.0985%
T Rowe Price Group Inc	TROW	0.0980%
Discover Financial Services	DFS	0.0968%
Southwest Airlines Co	LUV	0.0962%
Advanced Micro Devices	AMD	0.0960%
Eversource Energy	ES	0.0955%
Ventas Inc	VTR	0.0954%
Dollar Tree Inc	DLTR	0.0948%
Paychex Inc	PAYX	0.0943%
Xilinx Inc	XLNX	0.0940%
TransDigm Group	TDG	0.0928%
Tyson Foods Inc A	TSN	0.0928%
Verisk Analytics Inc	VRSK	0.0928%
Digital Realty Trust	DLR	0.0921%
Edison Intl	EIX	0.0918%
Willis Towers Watson PLC	WLTW	0.0915%
T-Mobile US Inc	TMUS	0.0915%
Global Payments Inc	GPN	0.0910%
KLA Corporation	KLAC	0.0908%
FleetCor Technologies Inc	FLT	0.0899%
Ball Corp	BLL	0.0888%
Agilent Technologies Inc	A	0.0881%
IHS Markit Ltd	INFO	0.0880%
PACCAR Inc	PCAR	0.0871%
LyondellBasell Industries N.V.	LYB	0.0870%
FirstEnergy Corp	FE	0.0868%
IQVIA Holdings Inc	IQV	0.0868%
DTE Energy Co	DTE	0.0863%
Realty Income Corp	O	0.0850%
Alexion Pharmaceuticals Inc	ALXN	0.0846%

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IDEXX Laboratories Inc	IDXX	0.0841%
Cummins Inc	CMI	0.0839%
Aptiv plc	APTV	0.0824%
Monster Beverage Corp New	MNST	0.0822%
Archer-Daniels-Midland Co	ADM	0.0818%
Pioneer Natural Resources	PXD	0.0818%
Parker-Hannifin Corp	PH	0.0815%
State Street Corp	STT	0.0814%
PPL Corp	PPL	0.0813%
Regeneron Pharmaceuticals Inc	REGN	0.0804%
American Water Works Co Inc	AWK	0.0789%
Cerner Corp	CERN	0.0787%
Microchip Technology Inc	MCHP	0.0786%
Hartford Finl Services Group	HIG	0.0783%
Costar Group Inc	CSGP	0.0781%
Entergy Corp	ETR	0.0781%
Corteva Inc.	CTVA	0.0779%
Stanley Black & Decker	SWK	0.0774%
Corning Inc	GLW	0.0774%
Synchrony Financial	SYF	0.0771%
Essex Property Trust	ESS	0.0767%
Total System Services Inc	TSS	0.0766%
M&T Bank Corp	MTB	0.0766%
Hershey Foods Corp	HSY	0.0763%
Cintas Corp	CTAS	0.0761%
Las Vegas Sands	LVS	0.0747%
Northern Trust Corp (IL)	NTRS	0.0745%
Kroger Co	KR	0.0744%
Weyerhaeuser Co	WY	0.0739%
Synopsys Inc	SNPS	0.0734%
AMETEK Inc	AME	0.0734%
Lululemon Athletica inc	LULU	0.0731%
Fifth Third Bancorp (OH)	FITB	0.0726%
Chipotle Mexican Grill Inc.	CMG	0.0725%
Fortive Corp	FTV	0.0725%
Boston Properties Inc	BXP	0.0718%
Palo Alto Networks Inc.	PANW	0.0716%
VeriSign Inc	VRSN	0.0716%
MSCI Inc	MSCI	0.0712%
Hewlett Packard Enterprise Co	HPE	0.0710%

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Vulcan Materials Co	VMC	0.0709%
United Airlines Holding, Inc	UAL	0.0706%
Ameriprise Financial Inc	AMP	0.0704%
Clorox Co	CLX	0.0702%
McCormick & Co	MKC	0.0700%
Carnival Corp	CCL	0.0692%
Royal Caribbean Cruises Ltd	RCL	0.0691%
Ameren Corp	AEE	0.0690%
Rockwell Automation Inc	ROK	0.0689%
Centene Corp	CNC	0.0686%
ResMed Inc	RMD	0.0684%
Veeva Systems Inc A	VEEV	0.0673%
Keysight Technologies Inc	KEYS	0.0672%
Cadence Design Systems Inc	CDNS	0.0672%
Square, Inc. A	SQ	0.0666%
Expedia Group, Inc.	EXPE	0.0665%
Fastenal Co	FAST	0.0662%
Republic Services Inc	RSG	0.0662%
ANSYS Inc	ANSS	0.0657%
Western Digital Corp	WDC	0.0656%
Splunk Inc.	SPLK	0.0654%
Halliburton Co	HAL	0.0653%
IAC InterActiveCorp	IAC	0.0652%
KeyCorp	KEY	0.0650%
Church & Dwight Co	CHD	0.0640%
CMS Energy Corp	CMS	0.0637%
CDW Corp	CDW	0.0635%
Mettler-Toledo Intl	MTD	0.0629%
The Kraft Heinz Company	KHC	0.0626%
Alexandria Real Estate Eqty	ARE	0.0621%
Cincinnati Financial Corp	CINF	0.0619%
Omnicom Group	OMC	0.0617%
Horton D.R. Inc	DHI	0.0617%
Equifax Inc	EFX	0.0610%
Lab Corp of America Hldgs	LH	0.0602%
CBRE Group Inc.	CBRE	0.0602%
Martin Marietta Materials	MLM	0.0600%
HCP Inc	HCP	0.0599%
Hess Corp	HES	0.0597%
Arch Capital Group Ltd	ACGL	0.0593%



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Liberty Broadband Corp C	LBRDK	0.0593%
Copart Inc	CPRT	0.0592%
Citizens Financial Group Inc	CFG	0.0592%
Arthur J. Gallagher & Co	AJG	0.0592%
Markel Corp	MKL	0.0587%
Regions Financial Corp	RF	0.0583%
Intl Paper Co	IP	0.0578%
Nucor Corp	NUE	0.0574%
Evergy Inc.	EVERG	0.0572%
MAXIM INTEGRATED	MXIM	0.0569%
Amcor plc	AMCR	0.0568%
Waters Corp	WAT	0.0568%
Kellogg Co	K	0.0566%
Teleflex Inc	TFX	0.0563%
First Republic Bank	FRC	0.0561%
Best Buy Co Inc	BBY	0.0561%
Celanese Corp A	CE	0.0560%
Lennar Corp A	LEN	0.0548%
TransUnion	TRU	0.0544%
Marvell Technology Group Ltd	MRVL	0.0543%
Freeport-McMoRan Inc	FCX	0.0541%
WP Carey Inc	WPC	0.0541%
Huntington Bancshares (OH)	HBAN	0.0541%
Centerpoint Energy Inc	CNP	0.0539%
Diamondback Energy Inc	FANG	0.0538%
CBS Corp B	CBS	0.0533%
Cooper Companies Inc	COO	0.0533%
Extra Space Storage Inc	EXR	0.0532%
Darden Restaurants Inc	DRI	0.0530%
MGM Resorts International	MGM	0.0530%
Symantec Corp	SYMC	0.0530%
Mid-America Apt Communities	MAA	0.0529%
Principal Financial Group	PFG	0.0526%
Broadridge Financial Solutions Inc.	BR	0.0526%
Take-Two Interactive Software	TTWO	0.0525%
Akamai Technologies Inc	AKAM	0.0523%
Cheniere Energy Inc	LNG	0.0522%
Concho Resources Inc	CXO	0.0521%
Conagra Brands, Inc	CAG	0.0515%
Dover Corp	DOV	0.0514%

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Carmax Inc	KMX	0.0512%
Cardinal Health Inc	CAH	0.0511%
Quest Diagnostics	DGX	0.0507%
Genuine Parts Co	GPC	0.0506%
DexCom Inc	DXCM	0.0504%
Xylem Inc	XYL	0.0501%
Hasbro Inc	HAS	0.0500%
Incyte Corp	INCY	0.0497%
Liberty Global plc C	LBTYK	0.0489%
Loews Corp	L	0.0489%
Ally Financial Inc	ALLY	0.0489%
Skyworks Solutions Inc	SWKS	0.0489%
Biomarin Pharmaceutical Inc	BMRN	0.0486%
UDR Inc	UDR	0.0485%
Wellcare Health Plans Inc	WCG	0.0485%
Twilio Inc-A	TWLO	0.0481%
NetApp Inc	NTAP	0.0480%
Wabtec	WAB	0.0480%
Hologic Inc	HOLX	0.0479%
Exact Sciences Corp	EXAS	0.0477%
Sun Communities	SUI	0.0477%
Seagate Technology	STX	0.0476%
Kansas City Southern Inc	KSU	0.0475%
TD Ameritrade Holding Corporation	AMTD	0.0471%
AmerisourceBergen Corp	ABC	0.0470%
Atmos Energy Corp	ATO	0.0469%
Align Technology Inc	ALGN	0.0469%
W.W. Grainger Inc	GWW	0.0469%
Burlington Stores Inc	BURL	0.0465%
Cboe Global Markets, Inc	CBOE	0.0465%
MarketAxess Holdings	MKTX	0.0462%
Arista Networks Inc	ANET	0.0461%
Annaly Capital Management Inc.	NLY	0.0459%
Expeditors Intl of WA Inc	EXPD	0.0458%
Host Hotels & Resorts Inc	HST	0.0457%
Ulta Beauty, Inc	ULTA	0.0456%
Snap, Inc.	SNAP	0.0456%
Gartner Inc	IT	0.0451%
IDEX Corp	IEX	0.0451%
Leidos Holdings Inc	LDOS	0.0450%

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Alliant Energy Corp	LNT	0.0448%
Intl Flavors & Fragrances	IFF	0.0445%
Universal Health Services B	UHS	0.0444%
NVR Inc	NVR	0.0442%
STERIS plc	STE	0.0440%
Lincoln National Corp	LNC	0.0440%
CenturyLink Inc	CTL	0.0439%
J.M. Smucker Co	SJM	0.0437%
Invitation Homes	INVH	0.0435%
Citrix Systems Inc	CTXS	0.0431%
Masco Corp	MAS	0.0430%
Fidelity National Financial Inc	FNF	0.0429%
Duke Realty Corp	DRE	0.0428%
Textron Inc	TXT	0.0428%
Equity Lifestyle Properties Inc	ELS	0.0427%
Baker Hughes, a GE company	BHGE	0.0427%
FMC Corp	FMC	0.0425%
Nasdaq Inc	NDAQ	0.0421%
GoDaddy Inc A	GDDY	0.0421%
Hormel Foods Corp	HRL	0.0418%
CH Robinson Worldwide Inc	CHRW	0.0418%
Dentsply Sirona Inc.	XRAY	0.0417%
Teledyne Technologies Inc	TDY	0.0414%
Norwegian Cruise Line Holdings Ltd	NCLH	0.0414%
Vmware Inc A	VMW	0.0412%
Jack Henry & Associates Inc.	JKHY	0.0408%
Fortinet Inc	FTNT	0.0407%
Regency Centers Corp	REG	0.0406%
Fox Corp A	FOXA	0.0406%
SVB Financial Group	SIVB	0.0404%
Alleghany Corp (NY)	Y	0.0401%
Zebra Technologies Corp	ZBRA	0.0401%
American Airlines Group Inc.	AAL	0.0400%
Noble Energy Inc	NBL	0.0398%
Tractor Supply Co	TSCO	0.0397%
Old Dominion Freight Line Inc	ODFL	0.0396%
CF Industries Holdings	CF	0.0395%
E*TRADE Financial Corp	ETFC	0.0394%
SS&C Technologies Holdings Inc	SSNC	0.0393%
Nisource Inc	NI	0.0392%

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Advance Auto Parts Inc	AAP	0.0392%
FactSet Research System Inc	FDS	0.0389%
Vornado Realty Trust	VNO	0.0389%
Arconic Inc	ARNC	0.0387%
Mylan NV	MYL	0.0387%
Pinnacle West Capital (AZ)	PNW	0.0386%
Wynn Resorts Ltd	WYNN	0.0386%
Paycom Software Inc	PAYC	0.0385%
Devon Energy Corp	DVN	0.0385%
Lamb Weston Holdings Inc	LW	0.0385%
Raymond James Financial Inc	RJF	0.0384%
Okta, Inc.	OKTA	0.0384%
Brown-Forman Corp B	BF.B	0.0382%
Everest Re Group Ltd	RE	0.0382%
Camden Property Trust	CPT	0.0381%
Marathon Oil Corp	MRO	0.0381%
AES Corp	AES	0.0378%
Jacobs Engineering Group Inc	JEC	0.0378%
Varian Medical Systems Inc	VAR	0.0377%
UGI Corp	UGI	0.0376%
West Pharmaceutical Services Inc	WST	0.0376%
ARAMARK	ARMK	0.0373%
WR Berkley Corp	WRB	0.0372%
Garmin Ltd	GRMN	0.0370%
Molson Coors Brewing Co B	TAP	0.0369%
Sirius XM Holdings Inc	SIRI	0.0365%
Comerica Inc (MI)	CMA	0.0363%
Booz Allen Hamilton Holding Corp A	BAH	0.0363%
Domino's Pizza Inc	DPZ	0.0363%
Federal Realty Invt Trust	FRT	0.0362%
TechnipFMC plc	FTI	0.0361%
Teradyne Inc	TER	0.0360%
Vistra Energy	VST	0.0359%
Eastman Chemical Co	EMN	0.0358%
LKQ Corp	LKQ	0.0358%
Tyler Technologies Inc	TYL	0.0355%
Reinsurance Group of America	RGA	0.0353%
Tiffany & Co	TIF	0.0353%
J.B. Hunt Transport Services	JBHT	0.0351%
United Rentals Inc	URI	0.0351%

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NRG Energy	NRG	0.0351%
Western Union Co	WU	0.0349%
Packaging Corp of America	PKG	0.0349%
Trimble Inc	TRMB	0.0347%
Apache Corp	APA	0.0346%
Avery Dennison Corp	AVY	0.0344%
EPAM Systems Inc	EPAM	0.0343%
Allegion plc	ALLE	0.0343%
PerkinElmer Inc	PKI	0.0341%
Aqua America Inc	WTR	0.0341%
Globe Life Inc.	GL	0.0341%
Targa Resources Corp	TRGP	0.0339%
VEREIT Inc	VER	0.0339%
Live Nation Entertainment Inc.	LYV	0.0338%
Vail Resorts Inc	MTN	0.0336%
Henry Schein Inc	HSIC	0.0336%
Whirlpool Corp	WHR	0.0336%
RingCentral Inc A	RNG	0.0335%
VICI Properties Inc.	VICI	0.0333%
Fair Isaac & Co Inc	FICO	0.0332%
US Foods Holding Corp.	USFD	0.0332%
Neurocrine Biosciences Inc	NBIX	0.0331%
Bright Horizons Family Solutions Inc	BFAM	0.0330%
WestRock Co	WRK	0.0330%
Iron Mountain Inc	IRM	0.0329%
Amdocs Ltd	DOX	0.0327%
INSULET CORP	PODD	0.0325%
Huntington Ingalls Industries Inc.	HII	0.0324%
Pulte Group Inc	PHM	0.0323%
RPM International Inc.	RPM	0.0322%
OGE Energy Corp	OGE	0.0321%
Discovery, Inc C	DISCK	0.0321%
Campbell Soup Co	CPB	0.0321%
National Retail Properties Inc	NNN	0.0320%
Qorvo, Inc	QRVO	0.0320%
Viacom Inc B	VIAB	0.0318%
Aspen Technology Inc	AZPN	0.0318%
WEX Inc	WEX	0.0317%
Spirit Aerosystems Holdings A	SPR	0.0317%
Omega Healthcare Investors	OHI	0.0316%

Company Name	Ticker Symbol	Weighting
National Oilwell Varco Inc	NOV	0.0316%
Ionis Pharmaceuticals Inc	IONS	0.0315%
Black Knight Inc.	BKI	0.0315%
Guidewire Software	GWRE	0.0314%
Franklin Resources Inc	BEN	0.0311%
Abiomed Inc	ABMD	0.0310%
Cognex Corp	CGNX	0.0309%
DXC Technology Company	DXC	0.0309%
AGNC Investment Corp	AGNC	0.0308%
CyrusOne Inc	CONE	0.0308%
Snap On Inc	SNA	0.0307%
Service Corp Intl	SCI	0.0307%
Crown Holdings Inc	CCK	0.0306%
Brown & Brown Inc	BRO	0.0305%
Lennox International Inc	LII	0.0305%
Kimco Realty Corp	KIM	0.0305%
DISH Network Corp A	DISH	0.0305%
Cypress Semiconductor Corp	CY	0.0304%
Zendesk Inc	ZEN	0.0303%
RenaissanceRe Hldgs	RNR	0.0299%
SAGE Therapeutics Inc	SAGE	0.0299%
Liberty Formula One-C	FWONK	0.0299%
Medical Properties Trust	MPW	0.0297%
Carlisle Cos	CSL	0.0296%
HollyFrontier Corporation	HFC	0.0296%
Sensata Technologies Holding plc	ST	0.0296%
Interpublic Group Cos	IPG	0.0295%
F5 Networks Inc	FFIV	0.0295%
Wayfair Inc A	W	0.0294%
Juniper Networks Inc	JNPR	0.0294%
Royal Gold Inc	RGLD	0.0292%
Zions Bancorporation N.A.	ZION	0.0291%
On Semiconductor Corp	ON	0.0288%
Nielsen Holdings plc	NLSN	0.0287%
Alnylam Pharmaceuticals Inc	ALNY	0.0287%
Alaska Air Group Inc	ALK	0.0285%
Bunge Ltd	BG	0.0284%
Kohl's Corp	KSS	0.0282%
Dell Technologies Inc-C	DELL	0.0282%
Voya Financial, Inc	VOYA	0.0282%

Company Name	Ticker Symbol	Weighting
Seattle Genetics Inc	SGEN	0.0281%
Kilroy Realty Corp	KRC	0.0280%
Gaming & Leisure Properties Inc.	GLPI	0.0280%
Toro Co	TTC	0.0279%
Universal Display Corp	OLED	0.0278%
Assurant Inc	AIZ	0.0277%
SEI Investments Corp	SEIC	0.0275%
American Financial Group	AFG	0.0275%
The Trade Desk, Inc.	TTD	0.0275%
Cabot Oil & Gas A	COG	0.0275%
Borgwarner Inc	BWA	0.0274%
Graco Inc	GGG	0.0274%
Apartment Investment & Mgmt	AIV	0.0274%
Mohawk Industries Inc	MHK	0.0273%
Pool Corp	POOL	0.0273%
Euronet Services Inc	EEFT	0.0272%
Liberty Property Trust	LPT	0.0271%
ServiceMaster Global Holdings Inc	SERV	0.0269%
Coupa Software, Inc.	COUP	0.0269%
STORE Capital Corp	STOR	0.0269%
Nordson Corp	NDSN	0.0268%
Bio-Techne Corp	TECH	0.0267%
Mosaic Co	MOS	0.0266%
AptarGroup Inc	ATR	0.0266%
Masimo Corp	MASI	0.0266%
Fortune Brands Home & Security Inc	FBHS	0.0265%
Lear Corp	LEA	0.0265%
Catalent Inc	CTLT	0.0264%
HEICO Corp A	HEI.A	0.0262%
Tapestry, Inc	TPR	0.0262%
Jazz Pharmaceuticals plc	JAZZ	0.0262%
Albemarle Corp	ALB	0.0258%
Molina Healthcare	MOH	0.0258%
Five Below Inc.	FIVE	0.0257%
FLIR Systems Inc	FLIR	0.0257%
Hubbell Inc	HUBB	0.0256%
Hexcel Corp	HXL	0.0254%
Jones Lang Lasalle Inc	JLL	0.0254%
Etsy, Inc.	ETSY	0.0254%
Gentex Corp	GNTX	0.0253%

Company Name	Ticker Symbol	Weighting
Proofpoint Inc.	PFPT	0.0252%
LPL Investment Holdings	LPLA	0.0251%
Post Holdings Inc.	POST	0.0251%
Americold Realty Trust	COLD	0.0251%
PTC Inc	PTC	0.0250%
Hill-Rom Holdings Inc	HRC	0.0249%
Reliance Steel & Aluminum	RS	0.0249%
Caesars Entertainment Corp	CZR	0.0249%
Newell Brands Inc	NWL	0.0248%
Autoliv Inc	ALV	0.0247%
Starwood Property Trust Inc	STWD	0.0247%
SL Green Realty Corp	SLG	0.0246%
Wabco Holdings Inc	WBC	0.0246%
Lamar Advertising Co A	LAMR	0.0246%
Zayo Group Holdings Inc	ZAYO	0.0245%
A.O. Smith Corp	AOS	0.0244%
Invesco Ltd	IVZ	0.0244%
Steel Dynamics Inc	STLD	0.0243%
Bio-Rad Laboratories Inc A	BIO	0.0243%
Perrigo Company plc	PRGO	0.0243%
HD Supply Holdings Inc	HDS	0.0242%
Chemed Corp	CHE	0.0242%
Douglas Emmett	DEI	0.0242%
CubeSmart	CUBE	0.0241%
Charles River Laboratories	CRL	0.0240%
Dunkin' Brands Group Inc	DNKN	0.0240%
XPO Logistics Inc	XPO	0.0240%
Signature Bank NY	SBNY	0.0239%
Donaldson Co	DCI	0.0239%
East West Bancorp Inc	EWBC	0.0237%
Haemonetics Corp	HAE	0.0235%
American Homes 4 Rent A	AMH	0.0235%
Owens Corning Inc	OC	0.0235%
First American Financial Corp	FAF	0.0234%
Old Republic Intl Corp	ORI	0.0233%
Liberty Media SiriusXM-C	LSXMK	0.0233%
Middleby Corp The	MIDD	0.0233%
PVH Corp	PVH	0.0232%
Axalta Coating Systems Ltd	AXTA	0.0232%
Robert Half Intl Inc	RHI	0.0231%



Company Name	Ticker Symbol	Weighting
Entegris Inc	ENTG	0.0231%
American Campus Communities Inc	ACC	0.0230%
Sealed Air Corp	SEE	0.0230%
Encompass Health Corp	EHC	0.0227%
Arrow Electronics Inc	ARW	0.0226%
HubSpot Inc	HUBS	0.0226%
Sabre Corporation	SABR	0.0226%
New Residential Investment Corp.	NRZ	0.0225%
People's United Financial Inc	PBCT	0.0225%
DaVita Inc	DVA	0.0224%
Unum Group	UNM	0.0224%
Genesee & Wyoming Inc A	GWR	0.0223%
Flowserve Corp	FLS	0.0223%
GCI Liberty, Inc-A	GLIBA	0.0222%
Park Hotels & Resorts Inc	PK	0.0222%
Monolithic Power Systems	MPWR	0.0221%
Pra Health Sciences Inc	PRAH	0.0221%
Cable One Inc.	CABO	0.0218%
Woodward Inc.	WWD	0.0218%
Casey's General Stores Inc	CASY	0.0216%
Genpact Ltd	G	0.0216%
Commerce Bancshares Inc (MO)	CBSH	0.0215%
AECOM	ACM	0.0213%
Sarepta Therapeutics Inc	SRPT	0.0213%
Pentair PLC	PNR	0.0212%
Brixmor Property Group Inc	BRX	0.0211%
Exelixis Inc	EXEL	0.0211%
Xerox Holdings Corp	XRX	0.0211%
Credit Acceptance Corp	CACC	0.0211%
Healthcare Trust of America Inc.	HTA	0.0211%
IAA, Inc	IAA	0.0210%
New York Community Bancorp Inc	NYCB	0.0210%
Bluebird Bio Inc	BLUE	0.0209%
Sonoco Products Co	SON	0.0208%
EPR Properties	EPR	0.0207%
CIENA Corp	CIEN	0.0204%
Medidata Solutions Inc.	MDSO	0.0204%
BWX Technologies Inc.	BWXT	0.0204%
CDK Global Inc	CDK	0.0204%
Synovus Financial Corp (GA)	SNV	0.0204%

Company Name	Ticker Symbol	Weighting
Curtiss-Wright Corp	CW	0.0200%
Allison Transmission Holdings Inc	ALSN	0.0200%
Cullen Frost Bankers (TX)	CFR	0.0199%
CACI Intl Inc A	CACI	0.0199%
MDU Resources Group Inc	MDU	0.0199%
Liberty Global plc A	LBTYA	0.0199%
IDACORP Inc	IDA	0.0199%
AXA Equitable Holdings, Inc	EQH	0.0199%
Lincoln Electric Hldgs	LECO	0.0198%
Harley-Davidson Inc	HOG	0.0198%
Ingredion Inc	INGR	0.0197%
GrubHub Inc	GRUB	0.0197%
Axis Capital Hldgs Ltd	AXS	0.0195%
HEICO Corp	HEI	0.0194%
Leggett & Platt	LEG	0.0194%
Grand Canyon Education	LOPE	0.0193%
Hanover Insurance Group Inc	THG	0.0192%
Acuity Brands Inc	AYI	0.0192%
Quanta Services Inc	PWR	0.0192%
Cousins Properties	CUZ	0.0192%
News Corp A	NWSA	0.0192%
Cree Inc	CREE	0.0191%
Watsco Inc	WSO	0.0191%
ITT Inc	ITT	0.0190%
Primerica Inc	PRI	0.0190%
Popular Inc (Puerto Rico)	BPOP	0.0188%
Oshkosh Corporation	OSK	0.0188%
Hanesbrands Inc	HBI	0.0187%
Hudson Pacific Properties Inc	HPP	0.0187%
Eaton Vance Corp	EV	0.0187%
Planet Fitness Inc A	PLNT	0.0186%
Fox Corp B	FOX	0.0185%
Toll Brothers Inc	TOL	0.0185%
Alliance Data Systems Corp	ADS	0.0185%
Wyndham Hotel & Resorts Inc.	WH	0.0185%
Howard Hughes Corp	HHC	0.0184%
Cimarex Energy Co	XEC	0.0184%
Zynga Inc. A	ZNGA	0.0184%
Polaris Inc	PII	0.0184%
JetBlue Airways Corp	JBLU	0.0184%

Company Name	Ticker Symbol	Weighting
First Horizon National Corp	FHN	0.0184%
ManpowerGroup	MAN	0.0184%
Williams-Sonoma Inc	WSM	0.0183%
Rollins Inc	ROL	0.0183%
MAXIMUS Inc	MMS	0.0182%
MKS Instruments Inc	MKSI	0.0182%
First Solar Inc	FSLR	0.0182%
Berry Global Group Inc	BERY	0.0182%
Trex Co	TREX	0.0181%
Keurig Dr Pepper Inc	KDP	0.0180%
Portland General Electric	POR	0.0179%
Athene Holding	ATH	0.0179%
Ralph Lauren Corp A	RL	0.0179%
Generac Holdings Inc	GNRC	0.0178%
Jefferies Financial Group Inc.	JEF	0.0178%
First Industrial Realty Trust	FR	0.0178%
AGCO Corp	AGCO	0.0178%
ONE Gas Inc	OGS	0.0177%
Radian Group	RDN	0.0177%
Parsley Energy Inc A	PE	0.0176%
Nuance Communications Inc	NUAN	0.0176%
Teladoc Health, Inc	TDOC	0.0176%
Capri Holdings Ltd	CPRI	0.0176%
Life Storage, Inc	LSI	0.0175%
Horizon Therapeutics	HZNP	0.0175%
Blackstone Mortgage Trust Inc	BXMT	0.0175%
IPG Photonics Corp	IPGP	0.0174%
Silicon Laboratories Inc	SLAB	0.0174%
National Instruments Corp	NATI	0.0174%
Kemper Corporation	KMPR	0.0174%
Southwest Gas Holdings, Inc	SWX	0.0174%
Essent Group Ltd	ESNT	0.0174%
Emcor Group Inc	EME	0.0174%
Macy's Inc	M	0.0173%
Hawaiian Electric Industries	HE	0.0173%
H&R Block Inc	HRB	0.0172%
Performance Food Group Co	PFGC	0.0172%
Ashland Global Holdings Inc	ASH	0.0172%
Huntsman Corp	HUN	0.0171%
Skechers USA Inc A	SKX	0.0170%

Company Name	Ticker Symbol	Weighting
Helmerich & Payne Inc	HP	0.0170%
REALPAGE INC	RP	0.0169%
JBG Smith Properties	JBGS	0.0169%
Brighthouse Financial Inc	BHF	0.0169%
Prosperity Bancshares Inc	PB	0.0168%
Nexstar Media Group, Inc	NXST	0.0168%
Highwoods Properties	HIW	0.0167%
Brunswick Corp	BC	0.0166%
Lazard Ltd	LAZ	0.0166%
Madison Square Garden Company A	MSG	0.0166%
EastGroup Properties	EGP	0.0166%
Penumbra Inc	PEN	0.0165%
Avnet Inc	AVT	0.0165%
MGIC Investment Corp	MTG	0.0165%
Assured Guaranty Ltd	AGO	0.0165%
Blackbaud Inc	BLKB	0.0164%
Foot Locker Inc	FL	0.0163%
Allete Inc	ALE	0.0161%
Western Alliance Bancorp	WAL	0.0161%
First Financial Bankshs (TX)	FFIN	0.0160%
Grace W.R. & Co	GRA	0.0160%
Landstar System Inc	LSTR	0.0160%
Air Lease Corp	AL	0.0160%
Lumentum Holdings Inc	LITE	0.0160%
Selective Insurance Group Inc	SIGI	0.0159%
ViaSat Inc	VSAT	0.0159%
PacWest Bancorp	PACW	0.0158%
Wyndham Destinations, Inc.	WYND	0.0157%
CIT Group Inc	CIT	0.0157%
Spire Inc	SR	0.0157%
Affiliated Managers Grp	AMG	0.0157%
Webster Financial Corp (CT)	WBS	0.0157%
WPX Energy Inc.	WPX	0.0157%
Churchill Downs Inc	CHDN	0.0156%
Bruker BioSciences Corp	BRKR	0.0156%
Littelfuse Inc	LFUS	0.0155%
Jabil Inc	JBL	0.0155%
L Brands Inc	LB	0.0154%
Integra Lifesciences Hldg	IART	0.0154%
Kirby Corp	KEX	0.0154%

Company Name	Ticker Symbol	Weighting
Healthcare Realty Trust	HR	0.0154%
Coresite Realty Corp	COR	0.0154%
Knight-Swift Transportation Holdings Inc.	KNX	0.0153%
HealthEquity Inc	HQY	0.0153%
Sterling Bancorp/DE	STL	0.0153%
Qurate Retail Inc-A	QRTEA	0.0153%
Stericycle Inc	SRCL	0.0152%
Science Applications International Corp	SAIC	0.0152%
J2 Global Inc	JCOM	0.0152%
Sabra Health Care REIT	SBRA	0.0152%
The Brink's Co	BCO	0.0151%
Discovery, Inc A	DISCA	0.0150%
Ryman Hospitality Properties Inc	RHP	0.0150%
Graphic Packaging Holding Co	GPK	0.0150%
Flowers Foods Inc	FLO	0.0149%
Marriott Vacations Worldwide Corporation	VAC	0.0149%
Iberiabank Corp	IBKC	0.0149%
TripAdvisor Inc. A	TRIP	0.0149%
Black Hills Corp	BKH	0.0149%
Spirit Realty Capital Inc	SRC	0.0149%
SLM Corp	SLM	0.0149%
National Fuel Gas	NFG	0.0148%
Valvoline Inc	VVV	0.0148%
FirstCash Inc	FCFS	0.0148%
Herbalife Nutrition Ltd.	HLF	0.0148%
Dropbox, Inc.	DBX	0.0147%
Crane Co	CR	0.0147%
Equity Commonwealth	EQC	0.0147%
First Citizens Bancshares Inc. (NC) A	FCNCA	0.0146%
Ceridian HCM Holding Inc.	CDAY	0.0146%
Hospitality Properties Trust	HPT	0.0146%
Stifel Financial Corp	SF	0.0145%
PNM Resources Inc	PNM	0.0145%
Alcoa Corp	AA	0.0145%
New York Times Co A	NYT	0.0145%
Pinnacle Financial	PNFP	0.0145%
Dolby Laboratories A	DLB	0.0145%
NewMarket Corp	NEU	0.0144%
Synnex Corp	SNX	0.0144%
RBC Bearings	ROLL	0.0144%

Company Name	Ticker Symbol	Weighting
Cinemark Holdings Inc	CNK	0.0144%
Deckers Outdoor	DECK	0.0144%
Cracker Barrel Old Country Store Inc	CBRL	0.0143%
Mastec Inc	MTZ	0.0142%
Mattel Inc	MAT	0.0142%
Carters Inc	CRI	0.0142%
New Jersey Resources Corp	NJR	0.0142%
Scotts Co. A	SMG	0.0142%
Nutanix, Inc.A	NTNX	0.0141%
Erie Indemnity Co A	ERIE	0.0141%
United Bankshares Inc (WV)	UBSI	0.0141%
Globus Medical Inc. A	GMED	0.0140%
Interactive Brokers Group A	IBKR	0.0139%
Gardner Denver Holdings, Inc.	GDI	0.0139%
MSA Safety Inc	MSA	0.0138%
Sprint Nextel Corp	S	0.0138%
Amedisys Inc	AMED	0.0138%
LivaNova PLC	LIVN	0.0136%
Six Flags Entertainment Corp	SIX	0.0136%
Under Armour Inc A	UAA	0.0136%
Tech Data Corp	TECD	0.0135%
United Therapeutics Corp	UTHR	0.0134%
The Wendy's Company	WEN	0.0134%
Wintrust Financial Corp	WTFC	0.0133%
Teradata Corp	TDC	0.0133%
Chimera Investment Corporation	CIM	0.0133%
Insperty Inc.	NSP	0.0133%
Gap Inc	GPS	0.0133%
FNB Corp	FNB	0.0132%
Umpqua Hldgs Corp	UMPQ	0.0132%
Ingevity Corp	NGVT	0.0132%
Two Harbors Investment Corporation	TWO	0.0131%
Rayonier Inc	RYN	0.0131%
Valley National Bancorp (NJ)	VLV	0.0131%
Pebblebrook Hotel Trust	PEB	0.0130%
Chegg Inc	CHGG	0.0129%
LogMeIn Inc	LOGM	0.0129%
Zillow Group Inc C	Z	0.0128%
PS Business Parks Inc	PSB	0.0128%
National Health Investors	NHI	0.0128%

Company Name	Ticker Symbol	Weighting
Under Armour Inc-C	UA	0.0128%
Janus Henderson Group plc	JHG	0.0128%
ACI Worldwide Inc	ACIW	0.0127%
Nektar Therapeutics	NKTR	0.0126%
Altice USA Inc.-A	ATUS	0.0125%
Glacier Bancorp Inc	GBCI	0.0125%
Murphy Oil Corp	MUR	0.0124%
nVent Electric plc	NVT	0.0124%
Texas Roadhouse	TXRH	0.0124%
LHC Group	LHCG	0.0123%
Apple Hospitality REIT Inc	APLE	0.0123%
Liberty Media SiriusXM-A	LSXMA	0.0123%
Evercore Inc A	EVR	0.0123%
Macerich Co	MAC	0.0122%
Weingarten Realty Investors	WRI	0.0122%
KAR Auction Services Inc	KAR	0.0122%
Nordstrom Inc	JWN	0.0121%
Syneos Health, Inc	SYNH	0.0120%
BANK OZK	OZK	0.0120%
Hancock Whitney Corp	HWC	0.0119%
Alkermes plc	ALKS	0.0119%
Associated Banc-Corp (IL)	ASB	0.0119%
BankUnited Inc	BKU	0.0119%
Darling Ingredients Inc	DAR	0.0117%
Cantel Medical Corp	CMD	0.0116%
Ollie's Bargain Outlet Holdings, Inc.	OLLI	0.0115%
World Wrestling Entertainment Inc-A	WWE	0.0114%
BJ's Wholesale Club Holdings	BJ	0.0114%
Pure Storage Inc	PSTG	0.0113%
TreeHouse Foods Inc	THS	0.0113%
Semtech Corp	SMTC	0.0113%
Sunstone Hotel Investors	SHO	0.0113%
MSC Industrial Direct A	MSM	0.0113%
Goodyear Tire & Rubber Co	GT	0.0112%
Choice Hotels Intl	CHH	0.0112%
Louisiana Pacific Corp	LPX	0.0111%
Coty Inc.	COTY	0.0110%
Paylocity Holding Corp	PCTY	0.0110%
Olin Corp	OLN	0.0109%
FibroGen Inc	FGEN	0.0109%

Company Name	Ticker Symbol	Weighting
Timken Co	TKR	0.0109%
Macquarie Infrastructure Corp	MIC	0.0108%
AMERCO Inc	UHAL	0.0108%
PBF Energy Inc A	PBF	0.0106%
Transocean Ltd	RIG	0.0106%
Morningstar	MORN	0.0105%
EQT Corporation	EQT	0.0105%
Santander Consumer USA Holdings Inc	SC	0.0105%
Immunomedics Inc	IMMU	0.0105%
Fluor Corp	FLR	0.0105%
UMB Financial Corp	UMBF	0.0104%
New Relic Inc	NEWR	0.0104%
Continental Resources Inc/OK	CLR	0.0104%
AutoNation Inc	AN	0.0103%
FireEye Inc	FEYE	0.0103%
Avangrid Inc	AGR	0.0102%
OneMain Holdings Inc	OMF	0.0101%
Proto Labs Inc	PRLB	0.0101%
Lancaster Colony Corp	LANC	0.0101%
Thor Industries Inc	THO	0.0100%
Columbia Sportswear Co	COLM	0.0100%
Eldorado Resorts, Inc	ERI	0.0100%
Equitrans Midstream Corp	ETRN	0.0099%
American Eagle Outfitters	AEO	0.0097%
Enersys	ENS	0.0096%
The Chemours Company	CC	0.0096%
ICU Medical Inc	ICUI	0.0095%
Pegasystems Inc	PEGA	0.0095%
Paramount Group Inc	PGRE	0.0095%
Investors Bancorp	ISBC	0.0094%
Spirit Airlines Inc.	SAVE	0.0093%
Bok Financial Corp (OK)	BOKF	0.0090%
Wright Medical Group NV	WMGI	0.0089%
First Hawaiian Inc.	FHB	0.0089%
Element Solutions Inc.	ESI	0.0089%
Telephone & Data Systems Inc	TDS	0.0087%
LendingTree, Inc	TREE	0.0087%
Westlake Chemical Corp	WLK	0.0084%
NU Skin Enterprises Inc A	NUS	0.0084%
Emergent Biosolutions Inc	EBS	0.0084%



Company Name	Ticker Symbol	Weighting
Commscope Holding Co Inc	COMM	0.0083%
Ubiquiti Inc	UI	0.0080%
Mednax Inc	MD	0.0071%
United States Steel Corp	X	0.0068%
Agios Pharmaceuticals Inc	AGIO	0.0066%
Penske Auto Group	PAG	0.0059%
Intercept Pharmaceuticals Inc	ICPT	0.0059%
Urban Outfitters	URBN	0.0059%
Intelsat SA	I	0.0058%
Pilgrims Pride Corp	PPC	0.0058%
Kontoor Brands Inc.	KTB	0.0058%
DocuSign Inc	DOCU	0.0055%
Uniti Group Inc	UNIT	0.0052%
Peabody Energy Corp	BTU	0.0048%
CNA Financial Corp (IL)	CNA	0.0048%
Green Dot Corp	GDOT	0.0046%
CVR Energy Inc	CVI	0.0046%
Covetrus, Inc.	CVET	0.0044%
CarGurus Inc.	CARG	0.0040%
Seaboard Corp	SEB	0.0039%
American National Insurance Co	ANAT	0.0038%
Livent Corporation	LTHM	0.0038%
TFS Financial Corp	TFSL	0.0034%
Centennial Resource Development, Inc	CDEV	0.0032%
Antero Resources Corp	AR	0.0029%
GrafTech International Ltd.	EAF	0.0029%
Zscaler, Inc.	ZS	0.0027%
ADT Inc.	ADT	0.0027%
National Beverage Corp	FIZZ	0.0020%
Gates Industrial Corporation plc	GTES	0.0017%

**TOTAL 100%**

*Index constituents listed are as of the date shown and are not a recommendation of individual securities by Charles Schwab & Co., Inc. or any of its affiliates. Indices are unmanaged, do not incur fees, and it is not possible to invest directly in an index.*