

# Membership list

## Russell Midcap® Index

Company	Ticker
2U INC	TWOU
ABIOMED INC	ABMD
ACADIA HEALTHCARE CO	ACHC
ACUITY BRANDS INC	AYI
ADIANT PLC	ADNT
ADT INC	ADT
ADVANCE AUTO PARTS INC	AAP
ADVANCED MICRO DEVICES	AMD
AECOM	ACM
AES CORP	AES
AFFILIATED MANAGERS GRP	AMG
AGCO CORP	AGCO
AGILENT TECHNOLOGIES INC	A
AGIOS PHARMACEUTICALS	AGIO
AGNC INVESTMENT	AGNC
AIR LEASE CORP	AL
AKAMAI TECHNOLOGIES	AKAM
ALASKA AIR GROUP INC	ALK
ALBEMARLE CORP	ALB
ALCOA CORPORATION	AA
ALEXANDRIA REAL ESTATE	ARE
ALIGN TECHNOLOGY INC	ALGN
ALKERMES PLC	ALKS
ALLEGHANY CORP	Y
ALLEGION PLC	ALLE
ALLIANCE DATA SYSTEMS	ADS
ALLIANT ENERGY CORP	LNT
ALLISON TRANSMISSION	ALLSN
ALLY FINL INC	ALLY
ALNYLAM PHARMACEUTICALS	ALNY
AMC NETWORKS INC	AMCX
AMDOCS LTD	DOX
AMERCO	UHAL
AMEREN CORP	AEE
AMERICAN AIRLINES GROUP	AAL
AMERICAN CAMPUS COMMUN	ACC
AMERICAN FINANCIAL GROUP	AFG
AMERICAN HOMES 4 RENT	AMH
AMERICAN NATIONAL INS CO	ANAT
AMERICAN WTR WKS CO INC	AWK
AMERIPRISE FINANCIAL INC	AMP
AMERISOURCEBERGEN CORP	ABC
AMETEK INC	AME
AMPHENOL CORP	APH
ANALOG DEVICES INC	ADI
ANDEAVOR	ANDV
ANNALY CAPITAL MGMT INC	NLY
ANSYS INC	ANSS

Company	Ticker
ANTERO RESOURCES CO	AR
APACHE CORP	APA
APARTMENT INVT & MGMT	AIV
APERGY CORPORATION	APY
APPLE HOSPITALITY REIT	APLE
APTARGROUP INC	ATR
APTIV PLC	APTIV
AQUA AMERICA INC	WTR
ARAMARK	ARMK
ARCH CAP GROUP LTD	ACGL
ARCHER DANIELS MIDLAND	ADM
ARCONIC INC	ARNC
ARDAGH GROUP SA	ARD
ARISTA NETWORKS INC	ANET
ARMSTRONG WORLD INDS INC	AWI
ARRIS INTERNATIONAL PLC	ARRS
ARROW ELECTRONICS INC	ARW
ASHLAND GLOBAL HOLDINGS	ASH
ASPEN INSURANCE HOLDINGS	AHL
ASPEN TECHNOLOGY INC	AZPN
ASSOCIATED BANC CORP	ASB
ASSURANT INC	AIZ
ASSURED GUARANTY LTD	AGO
ATHENAHEALTH INC	ATHN
ATHENE HOLDING LTD	ATH
ATLASSIAN CORP PLC	TEAM
ATMOS ENERGY CORP	ATO
AUTODESK INC	ADSK
AUTONATION INC	AN
AUTOZONE INC	AZO
AVALONBAY CMNTYS INC	AVB
AVANGRID INC	AGR
AVERY DENNISON CORP	AVY
AVNET INC	AVT
AXA EQUITABLE HOLDINGS	EQH
AXALTA COATING SYSTEMS	AXTA
AXIS CAPITAL HOLDINGS	AXS
BALL CORP	BLL
BANK OF HAWAII CORP	BOH
BANK OF THE OZARKS INC	OZRK
BANKUNITED INC	BKU
BEMIS INC	BMS
BERKLEY W R CORP	WRB
BERRY GLOBAL GROUP	BERY
BEST BUY INC	BBY
BGC PARTNERS INC	BGCP
BIO-RAD LABORATORIES INC	BIO
BIO-TECHNE CORP	TECH

# Membership list

## Russell Midcap® Index

Company	Ticker
BIOMARIN PHARMACEUTICAL	BMRN
BLACK KNIGHT	BKI
BLOCK H & R INC	HRB
BLUEBIRD BIO INC	BLUE
BOK FINANCIAL CORP	BOKF
BOOZ ALLEN HAMILTON HLDG	BAH
BORG WARNER INC	BWA
BOSTON PROPERTIES INC	BXP
BRANDYWINE REALTY TRUST	BDN
BRIGHT HORIZON FAMILY	BFAM
BRIGHTHOUSE FINANCIAL	BHF
BRIXMOR PROPERTY GROUP	BRX
BROADRIDGE FINANCIAL INC	BR
BROWN & BROWN INC	BRO
BROWN FORMAN CORP CL A	BF.A
BROWN FORMAN CORP CL B	BF.B
BRUKER CORP	BRKR
BRUNSWICK CORP	BC
BUNGE LIMITED	BG
BURLINGTON STORES INC	BURL
BWX TECHNOLOGIES INC	BWXT
C H ROBINSON WORLDWIDE	CHRW
CA INC	CA
CABLE ONE INC	CABO
CABOT CORP	CBT
CABOT OIL & GAS CORP	COG
CADENCE DESIGN SYSTEMS	CDNS
CAESARS ENTMT CORP	CZR
CAMDEN PROPERTY TRUST	CPT
CAMPBELL SOUP CO	CPB
CANTEL MEDICAL CORP	CMD
CARDINAL HEALTH INC	CAH
CARLISLE COS INC	CSL
CARMAX INC	KMX
CARTER INC	CRI
CASEYS GENERAL STORES	CASY
CATALENT INC	CTLT
CAVIUM INC	CAVM
CBOE GLOBAL MARKETS INC	CBOE
CBRE GROUP INC	CBRE
CBS CORPORATION	CBS
CDK GLOBAL INC	CDK
CDW CORPORATION	CDW
CELANESE CORP	CE
CENTENE CORP	CNC
CENTENNIAL RESOURCE DEV	CDEV
CENTERPOINT ENERGY INC	CNP
CENTURYLINK INC	CTL

Company	Ticker
CERNER CORP	CERN
CF INDUSTRIES HOLDINGS	CF
CHARLES RIVER LABS INTL	CRL
CHEMED CORPORATION	CHE
CHENIERE ENERGY INC	LNG
CHESAPEAKE ENERGY CORP	CHK
CHIMERA INVESTMENT CORP	CIM
CHIPOTLE MEXICAN GRILL	CMG
CHOICE HOTELS INTL INC	CHH
CHURCH & DWIGHT INC	CHD
CIMAREX ENERGY CO	XEC
CINCINNATI FINANCIAL	CINF
CINEMARK HOLDINGS INC	CNK
CINTAS CORP	CTAS
CIT GROUP INC	CIT
CITIZENS FINANCIAL INC	CFG
CITRIX SYSTEMS INC	CTXS
CLEAN HARBORS INC	CLH
CLOROX CO	CLX
CMS ENERGY CORP	CMS
CNA FINANCIAL CORP	CNA
CNX RESOURCES CORP	CNX
COGNEX CORP	CGNX
COHERENT INC	COHR
COLFAX CORP	CFX
COLONY CAPITAL INC	CLNY
COLUMBIA PPTY TR INC	CXP
COLUMBIA SPORTSWEAR CO	COLM
COMERICA INC	CMA
COMMERCE BANCSHARES INC	CBSH
COMMSCOPE HOLDING CO	COMM
CONAGRA BRANDS INC	CAG
CONCHO RESOURCES INC	CXO
CONDUENT INC	CNDT
CONSOLIDATED EDISON INC	ED
CONTINENTAL RESOURCES	CLR
COOPER COMPANIES INC	COO
COPA HOLDINGS SA	CPA
COPART INC	CPRT
CORELOGIC INC	CLGX
CORESITE REALTY CORP	COR
CORNING INC	GLW
CORPORATE OFFICE PPTYS	OFC
COSTAR GROUP INC	CSGP
COTY INC	COTY
CRANE CO	CR
CREDIT ACCEP CORP MICH	CACC
CROWN HOLDINGS INC	CCK

# Membership list

## Russell Midcap® Index

Company	Ticker
CERIDIAN HCM HOLDING	CDAY
CULLEN FROST BANKERS	CFR
CUMMINS INC	CMI
CURTISS WRIGHT CORP	CW
CYPRESS SEMICONDUCTOR	CY
CYRUSONE INC	CONE
D R HORTON INC	DHI
DARDEN RESTAURANTS INC	DRI
DAVITA INC	DVA
DCT INDUSTRIAL TRUST INC	DCT
DDR CORP	DDR
DELL TECHNOLOGIES	DVMT
DENTSPLY SIRONA INC	XRAY
DEVON ENERGY CORP	DVN
DEXCOM INC	DXCM
DIAMONDBACK ENERGY INC	FANG
DICKS SPORTING GOODS INC	DKS
DIGITAL REALTY TRUST INC	DLR
DISCOVER FINANCIAL SRVC	DFS
DISCOVERY INC SERIES A	DISCA
DISCOVERY INC SERIES C	DISCK
DISH NETWORK CORP	DISH
DOCUSIGN	DOCU
DOLBY LABORATORIES INC	DLB
DOLLAR GENERAL CORP	DG
DOLLAR TREE INC	DLTR
DOMINOS PIZZA INC	DPZ
DOMTAR CORPORATION	UFS
DONALDSON INC	DCI
DOUGLAS EMMETT INC	DEI
DOVER CORP	DOV
DR PEPPER SNAPPLE GROUP	DPS
DTE ENERGY CO	DTE
DUKE REALTY CORP	DRE
DUN & BRADSTREET CORP	DNB
DUNKIN BRANDS GROUP INC	DNKN
DXC TECHNOLOGY COMPANY	DXC
E TRADE FINANCIAL CORP	ETFC
EAGLE MATERIALS INC	EXP
EAST WEST BANCORP INC	EWBC
EASTMAN CHEMICAL CO	EMN
EATON VANCE CORP	EV
ECHOSTAR CORP	SATS
EDISON INTERNATIONAL	EIX
EDWARDS LIFESCIENCES	EW
EMPIRE STATE REALTY	ESRT
ENCOMPASS HEALTH CORP	EHC
ENERGEN CORP	EGN

Company	Ticker
CUBESMART	CUBE
ENVISION HEALTHCARE CORP	EVHC
EPAM SYSTEMS INC	EPAM
EPR PROPERTIES	EPR
EQT CORPORATION	EQT
EQUIFAX INC	EFX
EQUITY COMMONWEALTH	EQC
EQUITY LIFESTYLE PROP	ELS
EQUITY RESIDENTIAL	EQR
ERIE INDEMNITY CO	ERIE
ESSEX PROPERTY TRUST INC	ESS
EURONET WORLDWIDE INC	EEFT
EVERCORE INC	EVR
EVEREST RE GROUP LTD	RE
EVERGY INC	EVERG
EVERSOURCE ENERGY	ES
EXACT SCIENCES CORP	EXAS
EXELIXIS INC	EXEL
EXPEDIA GROUP INC	EXPE
EXPEDITORS INTL OF WASH	EXPD
EXTENDED STAY AMERICA	STAY
EXTRA SPACE STORAGE INC	EXR
EXTRACTION OIL & GAS INC	XOG
F5 NETWORKS INC	FFIV
FACTSET RESEARCH SYSTEMS	FDS
FAIR ISAAC CORP	FICO
FASTENAL CO	FAST
FEDERAL REALTY INVT	FRT
FIDELITY NATL INFO SVCS	FIS
FIFTH THIRD BANCORP	FITB
FIREEYE INC	FEYE
FIRST AMERICAN FINL CORP	FAF
FIRST CITIZENS BANCSHRS	FCNCA
FIRST DATA CORPORATION	FDC
FIRST HAWAIIAN INC	FHB
FIRST HORIZON NATL CORP	FHN
FIRST REP BK SAN FRAN	FRC
FIRST SOLAR INC	FSLR
FIRSTENERGY CORP	FE
FISERV INC	FISV
FLEETCOR TECHNOLOGIES	FLT
FLIR SYSTEMS INC	FLIR
FLOOR & DECOR HOLDINGS	FND
FLOWERS FOODS INC	FLO
FLOWSERVE CORP	FLS
FLUOR CORP	FLR
FMC CORP	FMC
FNB CORP	FNB

# Membership list

## Russell Midcap® Index

Company	Ticker
ENERGIZER HOLDINGS INC	ENR
ENERGY CORP	ETR
FOREST CITY REALTY TRUST	FCE.A
FORTINET INC	FTNT
FORTIVE CORPORATION	FTV
FORTUNE BRDS HOME & SEC	FBHS
FRANKLIN RESOURCES INC	BEN
FREEMPORT-MCMORAN INC	FCX
GALLAGHER ARTHUR J & CO	AJG
GAMING AND LEISURE PPTYS	GLPI
GAP INC	GPS
GARDNER DENVER HOLDINGS	GDI
GARMIN LTD	GRMN
GARTNER INC	IT
GATES INDUSTRIAL CORP	GTES
GCI LIBERTY INC	GLIBA
GENESEE & WYOMING INC	GWR
GENPACT LTD	G
GENTEX CORP	GNTX
GENUINE PARTS CO	GPC
GGP INC	GGP
GLOBAL PAYMENTS INC	GPN
GODADDY INC	GDDY
GOODYEAR TIRE & RUBBER	GT
GRACE W R & CO	GRA
GRACO INC	GGG
GRAFTECH INTERNATIONAL	EAF
GRAHAM HOLDINGS COMPANY	GHC
GRAINGER WW INC	GWW
GRAND CANYON EDUCATION	LOPE
GRAPHIC PACKAGING HLDG	GPK
GRUBHUB INC	GRUB
GUIDEWIRE SOFTWARE INC	GWRE
HAIN CELESTIAL GROUP	HAIN
HANESBRAND INC	HBI
HANOVER INSURANCE GROUP	THG
HARLEY DAVIDSON INC	HOG
HARRIS CORP	HRS
HARTFORD FINL SVCS GRP	HIG
HASBRO INC	HAS
HAWAIIAN ELECTRIC INDS	HE
HCP INC	HCP
HD SUPPLY HOLDINGS INC	HDS
HEALTHCARE TR AMER INC	HTA
HEICO CORP CL A	HEI.A
HEICO CORP COMMON	HEI
HELMERICH & PAYNE INC	HP
HENRY JACK & ASSOCIATES	JKHY

Company	Ticker
FNF GROUP	FNF
FOOT LOCKER INC	FL
HEXCEL CORP	HXL
HIGHWOODS PROPERTIES INC	HIW
HILL-ROM HOLDINGS INC	HRC
HILTON GRAND VACATIONS	HGV
HILTON WORLDWIDE HOLDING	HLT
HOLLYFRONTIER CORP	HFC
HOLOGIC INC	HOLX
HORMEL FOODS CORP	HRL
HOSPITALITY PPTYS TRUST	HPT
HOST HOTELS & RESORTS	HST
HOWARD HUGHES CORP	HHC
HUBBELL INC	HUBB
HUDSON PAC PPTYS INC	HPP
HUNTINGTON BANCSHARES	HBAN
HUNTINGTON INGALLS IND	HII
HUNTSMAN CORP	HUN
HYATT HOTELS CORP	H
IAC INTERACTIVECORP	IAC
ICU MEDICAL INC	ICUI
IDEX CORP	IEX
IDEXX LABS INC	IDXX
IHS MARKIT LTD	INFO
INCYTE CORP	INCY
INGERSOLL-RAND PLC	IR
INGREDION INC	INGR
INSULET CORP	PODD
INTEGRA LIFESCIENCES	IART
INTERACTIVE BROKERS GRP	IBKR
INTERNATIONAL GAME TECH	IGT
INTERNATIONAL PAPER CO	IP
INTERPUBLIC GROUP OF COS	IPG
INTL FLAVORS & FRAGRANCE	IFF
INVESCO LTD	IVZ
INVITATION HOMES INC	INVH
IONIS PHARMACEUTICALS	IONS
IPG PHOTONICS CORP	IPGP
IQVIA HOLDINGS INC	IQV
IRON MOUNTAIN INC	IRM
ITT INC	ITT
JABIL INC	JBL
JACOBS ENGINEERING GRP	JEC
JAZZ PHARMACEUTICALS PLC	JAZZ
JB HUNT TRANS SVCS INC	JBHT
JBG SMITH PROPERTIES	JBGS
JEFFERIES FINANCIAL GRP	JEF
JETBLUE AIRWAYS CORP	JBLU

# Membership list

## Russell Midcap® Index

Company	Ticker
HERBALIFE NUTRITION LTD	HLF
HERSHEY COMPANY	HSY
HESS CORP	HES
KAR AUCTION SERVICES INC	KAR
KELLOGG CO	K
KEYCORP	KEY
KEYSIGHT TECHNOLOGIES	KEYS
KILROY REALTY CORP	KRC
KIMCO REALTY CORP	KIM
KIRBY CORP	KEK
KLA-TENCOR CORP	KLAC
KNIGHT-SWIFT TRANSPORT	KNX
KOHL'S CORP	KSS
KOSMOS ENERGY LTD	KOS
KROGER CO	KR
L BRANDS INC	LB
L3 TECHNOLOGIES	LLL
LABORATORY CORP OF AMER	LH
LAM RESEARCH CORP	LRCX
LAMAR ADVERTISING CO	LAMR
LAMB WESTON HOLDINGS	LW
LANDSTAR SYSTEMS INC	LSTR
LAZARD LTD	LAZ
LEAR CORP	LEA
LEGG MASON INC	LM
LEGGETT & PLATT INC	LEG
LEIDOS HOLDINGS INC	LDOS
LENNAR CORP CL A	LEN
LENNAR CORP CL B	LEN.B
LENNOX INTERNATIONAL INC	LII
LIBERTY BROADBAND CL A	LBRDA
LIBERTY BROADBAND CL C	LBRDK
LIBERTY FORMULA 1 SER A	FWONA
LIBERTY FORMULA 1 SER C	FWONK
LIBERTY PROPERTY TRUST	LPT
LIBERTY SIRIUSXM SER A	LSXMA
LIBERTY SIRIUSXM SER C	LSXMK
LIFE STORAGE INC	LSI
LINCOLN ELECTRIC HLDGS	LECO
LINCOLN NATIONAL CORP	LNC
LIONS GATE ENT CLASS A	LGF.A
LIONS GATE ENT CLASS B	LGF.B
LITTELFUSE INC	LFUS
LIVE NATION ENT INC	LYV
LKQ CORP	LKQ
LOEWS CORP	L
LOGMEIN INC	LOGM
LPL FINANCIAL HOLDINGS	LPLA

Company	Ticker
JONES LANG LASALLE INC	JLL
JUNIPER NETWORKS INC	JNPR
KANSAS CITY SOUTHERN	KSU
MACYS INC	M
MADISON SQUARE GARDEN CO	MSG
MANHATTAN ASSOCS INC	MANH
MANPOWERGROUP	MAN
MARATHON OIL CORP	MRO
MARKEL CORP	MKL
MARKETAXESS HOLDINGS INC	MKTX
MARTIN MARIETTA MTL	MLM
MARVELL TECHNOLOGY GROUP	MRVL
MASCO CORP	MAS
MASIMO CORPORATION	MASI
MATCH GROUP INC	MTCH
MATTEL INC	MAT
MAXIM INTEGRATED PRODS	MXIM
MCCORMICK & CO INC	MKC
MDU RESOURCES GROUP INC	MDU
MEDICAL PROPERTIES TRUST	MPW
MEDNAX INC	MD
MERCURY GENERAL CORP	MCY
METTLER TOLEDO INTL INC	MTD
MFA FINANCIAL INC	MFA
MGM RESORTS INTL	MGM
MICHAEL KORS HLDGS LTD	KORS
MICHAELS COS INC/THE	MIK
MICROCHIP TECHNOLOGY	MCHP
MID-AMER APT CMNTYS	MAA
MIDDLEBY CORP	MIDD
MKS INSTRUMENTS INC	MKSI
MOHAWK INDUSTRIES INC	MHK
MOLINA HEALTHCARE INC	MOH
MOLSON COORS BREWING CO	TAP
MONOLITHIC POWER SYSTEMS	MPWR
MOODYS CORP	MCO
MORNINGSTAR INC	MORN
MOSAIC COMPANY	MOS
MOTOROLA SOLUTIONS INC	MSI
MSC INDL DIRECT INC	MSM
MSCI INC	MSCI
MURPHY OIL CORP	MUR
MYLAN NV	MYL
NABORS INDUSTRIES LTD	NBR
NASDAQ INC	NDAQ
NATIONAL FUEL GAS CO	NFG
NATIONAL INSTRS CORP	NATI
NATIONAL OILWELL VARCO	NOV

# Membership list

## Russell Midcap® Index

Company	Ticker
LULULEMON ATHLETICA INC	LULU
M & T BANK CORP	MTB
MACERICH CO	MAC
MACQUARIE INFRASTRUCTURE	MIC
NETAPP INC	NTAP
NEUROCRINE BIOSCIENCES	NBIX
NEW RESIDENTIAL INVT	NRZ
NEW YORK CMNTY BANCORP	NYCB
NEWELL BRANDS INC	NWL
NEWFIELD EXPLORATION CO	NFX
NEWMARKET CORPORATION	NEU
NEWMONT MINING CORP	NEM
NEWS CORP CL A	NWSA
NEWS CORP CL B	NWS
NIELSEN HOLDINGS PLC	NLSN
NISOURCE INC	NI
NOBLE ENERGY INC	NBL
NORDSON CORP	NDSN
NORDSTROM INC	JWN
NORTHERN TRUST CORP	NTRS
NORWEGIAN CRUISE LINE	NCLH
NRG ENERGY INC	NRG
NU SKIN ENTERPRISES	NUS
NUANCE COMMUNICATIONS	NUAN
NUCOR CORP	NUE
NUTANIX INC	NTNX
NVENT ELECTRIC PLC	NVT
NVR INC	NVR
O REILLY AUTOMOTIVE INC	ORLY
OGE ENERGY CORP	OGE
OKTA INC	OKTA
OLD DOMINION FREIGHT	ODFL
OLD REPUBLIC INTL CORP	ORI
OLIN CORP	OLN
OMEGA HEALTHCARE INVS	OHI
OMNICOM GROUP INC	OMC
ON SEMICONDUCTOR CORP	ON
ONEMAIN HOLDINGS INC	OMF
ONEOK INC	OKE
OSHKOSH CORP	OSK
OUTFRONT MEDIA INC	OUT
OWENS CORNING	OC
OWENS ILLINOIS INC	OI
PACCAR INC	PCAR
PACKAGING CORP OF AMER	PKG
PACWEST BANCORP	PACW
PALO ALTO NETWORKS INC	PANW
PARAMOUNT GROUP INC	PGRE

Company	Ticker
NATIONAL RETAIL PPTYS	NNN
NAVIENT CORPORATION	NAVI
NCR CORP	NCR
NEKTAR THERAPEUTICS	NKTR
PAYCOM SOFTWARE INC	PAYC
PBF ENERGY INC	PBF
PEGASYSTEMS INC	PEGA
PENSKE AUTOMOTIVE GROUP	PAG
PENTAIR PLC	PNR
PENUMBRA INC	PEN
PEOPLES UNITED FINANCIAL	PBCT
PERKINELMER INC	PKI
PERRIGO CO PLC	PRGO
PG&E CORP	PCG
PILGRIMS PRIDE CORP	PPC
PINNACLE FINANCIAL	PNFP
PINNACLE FOODS INC	PF
PINNACLE WEST CAPITAL CO	PNW
PLATFORM SPECIALTY PRODS	PAH
POLARIS INDUSTRIES INC	PII
POOL CORP	POOL
POPULAR INC	BPOP
POST HOLDINGS INC	POST
PPL CORP	PPL
PRA HEALTH SCIENCES INC	PRAH
PREMIER INC	PINC
PRICE T ROWE GROUP INC	TROW
PRINCIPAL FINANCIAL GRP	PFG
PROFOPOINT INC	PFPT
PROSPERITY BANCSHARES	PB
PTC INC	PTC
PUBLIC SVC ENTERPRISE	PEG
PULTEGROUP INC	PHM
PURE STORAGE INC	PSTG
PVH CORP	PVH
QEP RESOURCES INC	QEP
QIAGEN NV	QGEN
QORVO INC	QRVO
QUANTA SERVICES INC	PWR
QUEST DIAGNOSTICS INC	DGX
QURATE RETAIL INC	QRTEA
RALPH LAUREN CORP	RL
RANGE RESOURCES CORP	RRC
RAYMOND JAMES FINANCIAL	RJF
RAYONIER INC	RYN
REALOGY HOLDINGS CORP	RLGY
REALPAGE INC	RP
REALTY INCOME CORP	O

# Membership list

## Russell Midcap® Index

Company	Ticker
PARK HOTELS & RESORTS	PK
PARKER HANNIFIN CORP	PH
PARSLEY ENERGY INC	PE
PATTERSON UTI ENERGY	PTEN
PAYCHEX INC	PAYX
RELIANCE STEEL & ALUM	RS
RENAISSANCERE HOLDINGS	RNR
REPUBLIC SERVICES INC	RSG
RESMED INC	RMD
RETAIL PPTYS AMER INC	RPAI
RINGCENTRAL INC	RNG
ROBERT HALF INTL INC	RHI
ROCKWELL AUTOMATION INC	ROK
ROCKWELL COLLINS INC	COL
ROLLINS INC	ROL
ROPER TECHNOLOGIES INC	ROP
ROSS STORES INC	ROST
ROYAL CARIBBEAN CRUISES	RCL
ROYAL GOLD INC	RGLD
RPC INC	RES
RPM INTERNATIONAL INC	RPM
RSP PERMIAN INC	RSPP
RYDER SYSTEM INC	R
SABRE CORP	SABR
SAGE THERAPEUTICS INC	SAGE
SANTANDER CNSMR USA HLDG	SC
SAREPTA THERAPEUTICS INC	SRPT
SBA COMMUNICATIONS CORP	SBAC
SCANA CORP	SCG
SCHEIN HENRY INC	HSIC
SCHNEIDER NATIONAL INC	SNDR
SCOTTS MIRACLE-GRO CO	SMG
SEABOARD CORP	SEB
SEALED AIR CORP	SEE
SEATTLE GENETICS INC	SGEN
SEI INVESTMENTS CO	SEIC
SEMPRA ENERGY	SRE
SENIOR HOUSING PPTYS TR	SNH
SENSATA TECHNOLOGIES	ST
SERVICE CORP INTL	SCI
SERVICEMASTER GLOBAL	SERV
SERVICENOW INC	NOW
SIGNATURE BANK	SBNY
SILGAN HOLDINGS INC	SLGN
SIRIUS XM HOLDINGS INC	SIRI
SIX FLAGS ENTMT CORP	SIX
SKECHERS USA INC	SKX
SKYWORKS SOLUTIONS INC	SWKS

Company	Ticker
RED HAT INC	RHT
REGAL BELOIT CORP	RBC
REGENCY CENTERS CORP	REG
REGIONS FINANCIAL CORP	RF
REINSURANCE GRP OF AMER	RGA
SONOCO PRODUCTS CO	SON
SPECTRUM BRANDS HOLDINGS	SPB
SPIRIT AEROSYSTEMS	SPR
SPIRIT RLTY CAP INC	SRC
SPLUNK INC	SPLK
SPRINT CORP	S
SPROUTS FRMRS MKT INC	SFM
SQUARE INC	SQ
SS&C TECHNOLOGIES HLDGS	SSNC
STANLEY BLACK & DECKER	SWK
STARWOOD PPTY TRUST INC	STWD
STEEL DYNAMICS INC	STLD
STERICYCLE INC	SRCL
STERIS PLC	STE
STERLING BANCORP	STL
STORE CAPITAL CORP	STOR
SUN COMMUNITIES INC	SUI
SUNTRUST BANKS INC	STI
SVB FINANCIAL GROUP	SIVB
SWITCH INC	SWCH
SYMANTEC CORP	SYMC
SYNCHRONY FINANCIAL	SYF
SYNOPLUS INC	SNPS
SYNOVUS FINANCIAL CORP	SNV
TABLEAU SOFTWARE INC	DATA
TAKE-TWO INTERACTIVE	TTWO
TAPESTRY INC	TPR
TARGA RESOURCES INC	TRGP
TAUBMAN CENTERS INC	TCO
TCF FINANCIAL CORP	TCF
TELEDYNE TECHNOLOGIES	TDY
TELEFLEX INC	TFX
TELEPHONE & DATA SYSTEMS	TDS
TEMPUR SEALY INTL INC	TPX
TERADATA CORP	TDC
TERADYNE INC	TER
TEREX CORP	TEX
TESARO INC	TSRO
TEXAS CAPITAL BANCSHARES	TCBI
TEXTRON INC	TXT
TFS FINL CORP	TFSL
THE CHEMOURS COMPANY	CC
THE WENDY'S COMPANY	WEN

# Membership list

## Russell Midcap® Index

Company	Ticker
SL GREEN REALTY CORP	SLG
SLM CORP	SLM
SM ENERGY CO	SM
SMITH A O CORP	AOS
SMUCKER J M CO	SJM
SNAP ON INC	SNA
TOTAL SYSTEM SERVICES	TSS
TRACTOR SUPPLY CO	TSCO
TRANSDIGM GROUP INC	TDG
TRANSOCEAN LTD	RIG
TRANSUNION	TRU
TREEHOUSE FOODS INC	THS
TRIBUNE MEDIA CO	TRCO
TRIMBLE INC	TRMB
TRINITY INDUSTRIES INC	TRN
TRIPADVISOR INC	TRIP
TWILIO INC	TWLO
TWITTER INC	TWTR
TWO HBRS INVT CORP	TWO
TYLER TECHNOLOGIES INC	TYL
TYSON FOODS INC	TSN
U S G CORP	USG
UBIQUITI NETWORKS INC	UBNT
UDR INC	UDR
UGI CORP	UGI
ULTA BEAUTY INC	ULTA
ULTIMATE SOFTWARE GROUP	ULTI
UMPQUA HOLDINGS CORP	UMPQ
UNDER ARMOUR CLASS A	UAA
UNDER ARMOUR CLASS C	UA
UNITED CONTINENTAL HLDGS	UAL
UNITED RENTALS INC	URI
UNITED STATES CELLULAR	USM
UNITED STATES STEEL CORP	X
UNITED THERAPEUTICS	UTHR
UNITI GROUP INC	UNIT
UNIVAR INC	UNVR
UNIVERSAL DISPLAY CORP	OLED
UNIVERSAL HEALTH SVCS	UHS
UNUM GROUP	UNM
URBAN OUTFITTERS INC	URBN
US FOODS HOLDING CORP	USFD
V F CORP	VFC
VAIL RESORTS INC	MTN
VALIDUS HOLDINGS LTD	VR
VALMONT INDUSTRIES INC	VMI
VALVOLINE INC	VVV
VARIAN MEDICAL SYSTEMS	VAR

Company	Ticker
THOR INDUSTRIES INC	THO
TIFFANY & CO	TIF
TIMKEN CO	TKR
TOLL BROTHERS INC	TOL
TORCHMARK CORP	TMK
TORO CO	TTC
VIACOM INC CL A	VIA
VIACOM INC CL B	VIAB
VICI PROPERTIES INC	VICI
VIRTU FINL INC	VIRT
VISTEON CORP	VC
VISTRA ENERGY CORP	VST
VORNADO REALTY TRUST	VNO
VOYA FINANCIAL INC	VOYA
VULCAN MATERIALS CO	VMC
W P CAREY INC	WPC
WABCO HOLDINGS INC	WBC
WABTEC CORP	WAB
WATERS CORP	WAT
WATSCO INC	WSO
WAYFAIR INC	W
WEATHERFORD INTL PLC	WFT
WEBSTER FINANCIAL CORP	WBS
WEC ENERGY GROUP INC	WEC
WEINGARTEN RLTY INVS	WRI
WELBILT	WBT
WELLCARE GROUP INC	WCG
WELLTOWER INC	WELL
WESCO INTERNATIONAL INC	WCC
WEST PHARMACEUTICAL SVCS	WST
WESTERN ALLIANCE BANCORP	WAL
WESTERN DIGITAL CORP	WDC
WESTERN UNION CO	WU
WESTLAKE CHEMICAL CORP	WLK
WESTROCK CO	WRK
WEX INC	WEX
WEYERHAEUSER CO	WY
WHIRLPOOL CORP	WHR
WHITE MTNS INS GROUP LTD	WTM
WHITING PETROLEUM CORP	WLL
WILEY JOHN & SONS INC	JW.A
WILLIAMS COMPANIES INC	WMB
WILLIAMS SONOMA INC	WSM
WILLIS TOWERS WATSON PLC	WLTW
WINTRUST FINANCIAL CORP	WTFC
WORKDAY INC	WDAY
WORLDPAY INC	WP
WPX ENERGY INC	WPX



# Membership list

## Russell Midcap® Index

Company	Ticker
VECTREN CORP	VVC
VEEVA SYSTEMS INC	VEEV
VENTAS INC	VTR
VEREIT INC	VER
VERISIGN INC	VERSN
VERISK ANALYTICS INC	VERSK
VERSUM MATERIALS	VSM
XPO LOGISTICS INC	XPO
XYLEM INC	XYL
YUM CHINA HOLDINGS INC	YUMC
ZAYO GROUP HOLDINGS INC	ZAYO
ZEBRA TECHNOLOGIES CORP	ZBRA
ZENDESK INC	ZEN
ZILLOW GROUP INC CLASS A	ZG
ZILLOW GROUP INC CLASS C	Z
ZIMMER BIOMET HOLDINGS	ZBH
ZIONS BANCORPORATION	ZION
ZYNGA INC	ZNGA

Company	Ticker
WYNDHAM DESTINATIONS INC	WYND
WYNDHAM HOTELS & RESORTS	WH
WYNN RESORTS LTD	WYNN
XCEL ENERGY INC	XEL
XEROX CORP	XRX
XILINX INC	XLNX
XL GROUP LTD	XL



# Membership list

---

## For more information about our indexes, please visit [ftserussell.com](https://ftserussell.com).

© 2018 London Stock Exchange Group plc and its applicable group undertakings (the "LSE Group"). The LSE Group includes (1) FTSE International Limited ("FTSE"), (2) Frank Russell Company ("Russell"), (3) FTSE TMX Global Debt Capital Markets Inc. and FTSE TMX Global Debt Capital Markets Limited (together, "FTSE TMX"), (4) MTSNext Limited ("MTSNext"), (5) Mergent, Inc. ("Mergent"), (6) FTSE Fixed Income LLC ("FTSE FI") and (7) The Yield Book Inc ("YB"). All rights reserved.

FTSE Russell® is a trading name of FTSE, Russell, FTSE TMX, MTS Next Limited, Mergent, FTSE FI and YB. "FTSE®", "Russell®", "FTSE Russell®", "MTS®", "FTSE4Good®", "ICB®", "Mergent®", "WorldBIG®", "USBIG®", "EuroBIG®", "AusBIG®", "The Yield Book®", and all other trademarks and service marks used herein (whether registered or unregistered) are trademarks and/or service marks owned or licensed by the applicable member of the LSE Group or their respective licensors and are owned, or used under licence, by FTSE, Russell, MTSNext, FTSE TMX, Mergent, FTSE FI or YB. "TMX®" is a registered trademark of TSX Inc.

All information is provided for information purposes only. All information and data contained in this publication is obtained by the LSE Group, from sources believed by it to be accurate and reliable. Because of the possibility of human and mechanical error as well as other factors, however, such information and data is provided "as is" without warranty of any kind. No member of the LSE Group nor their respective directors, officers, employees, partners or licensors make any claim, prediction, warranty or representation whatsoever, expressly or impliedly, either as to the accuracy, timeliness, completeness, merchantability of any information or of results to be obtained from the use of the FTSE Russell Products or the fitness or suitability of the FTSE Russell Products for any particular purpose to which they might be put. Any representation of historical data accessible through FTSE Russell Products is provided for information purposes only and is not a reliable indicator of future performance.

No responsibility or liability can be accepted by any member of the LSE Group nor their respective directors, officers, employees, partners or licensors for (a) any loss or damage in whole or in part caused by, resulting from, or relating to any error (negligent or otherwise) or other circumstance involved in procuring, collecting, compiling, interpreting, analysing, editing, transcribing, transmitting, communicating or delivering any such information or data or from use of this document or links to this document or (b) any direct, indirect, special, consequential or incidental damages whatsoever, even if any member of the LSE Group is advised in advance of the possibility of such damages, resulting from the use of, or inability to use, such information.

No member of the LSE Group nor their respective directors, officers, employees, partners or licensors provide investment advice and nothing contained in this document or accessible through FTSE Russell Products, including statistical data and industry reports, should be taken as constituting financial or investment advice or a financial promotion.

No part of this information may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission of the applicable member of the LSE Group. Use and distribution of the LSE Group data requires a licence from FTSE, Russell, FTSE TMX, MTSNext, Mergent, FTSE FI, YB and/or their respective licensors.

Past performance is no guarantee of future results. Charts and graphs are provided for illustrative purposes only. Index returns shown may not represent the results of the actual trading of investable assets. Certain returns shown may reflect back-tested performance. All performance presented prior to the index inception date is back-tested performance. Back-tested performance is not actual performance, but is hypothetical. The back-test calculations are based on the same methodology that was in effect when the index was officially launched. However, back-tested data may reflect the application of the index methodology with the benefit of hindsight, and the historic calculations of an index may change from month to month based on revisions to the underlying economic data used in the calculation of the index.