

# Membership list

## Russell Midcap® Index

Company	Ticker
ABIOMED INC	ABMD
ACADIA HEALTHCARE CO	ACHC
ACADIA PHARMACEUTICALS	ACAD
ACUITY BRANDS INC	AYI
ADVANCE AUTO PARTS INC	AAP
AECOM	ACM
AES CORP	AES
AFFILIATED MANAGERS GRP	AMG
AGCO CORP	AGCO
AGILENT TECHNOLOGIES INC	A
AGIOS PHARMACEUTICALS	AGIO
AGL RESOURCES INC	GAS
AIR LEASE CORP	AL
AKAMAI TECHNOLOGIES	AKAM
AKORN INC	AKRX
ALASKA AIR GROUP INC	ALK
ALBEMARLE CORP	ALB
ALCOA INC	AA
ALERE INC	ALR
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
ALLIED WRLD ASSUR COM	AWH
ALLISON TRANSMISSION	ALLSN
ALLSCRIPTS HEALTHCARE	MDRX
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 CAPITAL AGENCY	AGNC
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
AMSURG CORP	AMSG
AMTRUST FINL SVCS	AFSI

Company	Ticker
ANALOG DEVICES INC	ADI
ANNALY CAPITAL MGMT INC	NLY
ANSYS INC	ANSS
ANTERO RESOURCES CO	AR
APARTMENT INVT & MGMT	AIV
APPLE HOSPITALITY REIT	APLE
APTARGROUP INC	ATR
AQUA AMERICA INC	WTR
ARAMARK	ARMK
ARCH CAP GROUP LTD	ACGL
ARMSTRONG WORLD INDS INC	AWI
ARRIS INTERNATIONAL PLC	ARRS
ARROW ELECTRONICS INC	ARW
ARTISAN PARTNERS ASSET	APAM
ARTISTA NETWORKS INC	ANET
ASHLAND INC	ASH
ASPEN INSURANCE HOLDINGS	AHL
ASSOCIATED BANC CORP	ASB
ASSURANT INC	AIZ
ASSURED GUARANTY LTD	AGO
ATHENAHEALTH INC	ATHN
ATLISSIAN 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
AVIS BUDGET GROUP INC	CAR
AVNET INC	AVT
AXALTA COATING SYSTEMS	AXTA
AXIS CAPITAL HOLDINGS	AXS
BAKER HUGHES INC	BHI
BALL CORP	BLL
BANK OF HAWAII CORP	BOH
BANKUNITED INC	BKU
BE AEROSPACE INC	BEAV
BED BATH & BEYOND INC	BBBY
BEMIS INC	BMS
BERKLEY W R CORP	WRB
BERRY PLASTICS GROUP	BERY
BEST BUY INC	BBY
BIOMARIN PHARMACEUTICAL	BMRN
BIO-RAD LABORATORIES INC	BIO
BIO-TECHNE CORP	TECH
BLACK KNIGHT FINL SVCS	BKFS
BLOCK H & R INC	HRB

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Company	Ticker
BLUE BUFFALO PET PROD	BUFF
BOK FINANCIAL CORP	BOKF
BOOZ ALLEN HAMILTON HLDG	BAH
BORG WARNER INC	BWA
BOSTON PROPERTIES INC	BXP
BRANDYWINE REALTY TRUST	BDN
BRINKER INTERNATIONAL	EAT
BRIXMOR PROPERTY GROUP	BRX
BROADRIDGE FINANCIAL INC	BR
BROCADE COMMUNICATIONS	BRCD
BROOKDALE SENIOR LIVING	BKD
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
CABELAS INC	CAB
CABLE ONE INC	CABO
CABOT CORP	CBT
CABOT OIL & GAS CORP	COG
CADENCE DESIGN SYSTEMS	CDNS
CALATLANTIC GROUP INC	CAA
CALPINE CORP	CPN
CAMDEN PROPERTY TRUST	CPT
CAMPBELL SOUP CO	CPB
CARE CAPITAL PROPERTIES	CCP
CARLISLE COS INC	CSL
CARMAX INC	KMX
CARTER INC	CRI
CASEYS GENERAL STORES	CASY
CBOE HLDGS INC	CBOE
CBRE GROUP INC	CBG
CDK GLOBAL INC	CDK
CDW CORPORATION	CDW
CELANESE CORP	CE
CENTENE CORP	CNC
CENTERPOINT ENERGY INC	CNP
CENTURYLINK INC	CTL
CERNER CORP	CERN
CF INDUSTRIES HOLDINGS	CF
CHARLES RIVER LABS INTL	CRL
CHENIERE ENERGY INC	LNG
CHESAPEAKE ENERGY CORP	CHK

Company	Ticker
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
CLEAR CHANNEL OUTDOOR	CCO
CLOROX CO	CLX
CMS ENERGY CORP	CMS
CNA FINANCIAL CORP	CNA
COACH INC	COH
COGNEX CORP	CGNX
COLFAX CORP	CFX
COLUMBIA PIPELINE GROUP	CPGX
COLUMBIA PPTY TR INC	CXP
COMERICA INC	CMA
COMM & SALES LEASING	CSAL
COMMERCE BANCSHARES INC	CBSH
COMMSCOPE HOLDING CO	COMM
COMPASS MINERALS INTL	CMP
COMPUTER SCIENCES CORP	CSC
CONAGRA FOODS INC	CAG
CONCHO RESOURCES INC	CXO
CONSOL ENERGY INC	CNX
CONSOLIDATED EDISON INC	ED
CONTINENTAL RESOURCES	CLR
COOPER COMPANIES INC	COO
COPA HOLDINGS SA	CPA
COPART INC	CPRT
CORELOGIC INC	CLGX
CORPORATE OFFICE PPTYS	OFC
CORRECTIONS CORP OF AMER	CXW
COSTAR GROUP INC	CSGP
COTY INC	COTY
COVANTA HOLDING CORP	CVA
CR BARD INC	BCR
CRANE CO	CR
CREDIT ACCEP CORP MICH	CACC
CREE INC	CREE
CROWN HOLDINGS INC	CCK
CSRA INC	CSRA
CST BRANDS INC	CST

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Company	Ticker
CHICAGO BRIDGE & IRON	CBI
CULLEN FROST BANKERS	CFR
CUMMINS INC	CMI
CYPRESS SEMICONDUCTOR	CY
CYRUSONE INC	CONE
D R HORTON INC	DHI
DARDEN RESTAURANTS INC	DRI
DAVITA HEALTHCARE PTNRS	DVA
DCT INDUSTRIAL TRUST INC	DCT
DDR CORP	DDR
DELPHI AUTOMOTIVE PLC	DLPH
DENTSPLY SIRONA INC	XRAY
DEVON ENERGY CORP	DVN
DEXCOM INC	DXCM
DIAMOND OFFSHR DRILLING	DO
DIAMONDBACK ENERGY INC	FANG
DICKS SPORTING GOODS INC	DKS
DIGITAL REALTY TRUST INC	DLR
DILLARDS INC	DDS
DISCOVERY COMM CL A	DISCA
DISCOVERY COMM CL C	DISCK
DOLBY LABORATORIES INC	DLB
DOLLAR GENERAL CORP	DG
DOLLAR TREE INC	DLTR
DOMINOS PIZZA INC	DPZ
DOMTAR CORPORATION	UFS
DONALDSON INC	DCI
DONNELLEY R R & SONS CO	RRD
DOUGLAS EMMETT INC	DEI
DOVER CORP	DOV
DR PEPPER SNAPPLE GROUP	DPS
DRIL-QUIP INC	DRQ
DST SYSTEMS INC	DST
DTE ENERGY CO	DTE
DUKE REALTY CORP	DRE
DUN & BRADSTREET CORP	DNB
DUNKIN BRANDS GROUP INC	DNKN
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
EDGEWELL PERSONAL CARE	EPC
EDISON INTERNATIONAL	EIX
EDWARDS LIFESCIENCES	EW
ELECTRONIC ARTS INC	EA
EMPIRE STATE REALTY	ESRT

Company	Ticker
CUBESMART	CUBE
ENERGEN CORP	EGN
ENERGIZER HOLDINGS INC	ENR
ENSCO PLC	ESV
ENTERGY CORP	ETR
ENVISION HEALTHCARE INC	EVHC
EPR PROPERTIES	EPR
EQT CORPORATION	EQT
EQUIFAX INC	EFX
EQUINIX INC	EQIX
EQUITY COMMONWEALTH	EQC
EQUITY LIFESTYLE PROP	ELS
EQUITY ONE INC	EQY
ERIE INDEMNITY CO	ERIE
ESSEX PROPERTY TRUST INC	ESS
EURONET WORLDWIDE INC	EEFT
EVEREST RE GROUP LTD	RE
EVERSOURCE ENERGY	ES
EXPEDIA INC	EXPE
EXPEDITORS INTL OF WASH	EXPD
EXTENDED STAY AMERICA	STAY
EXTRA SPACE STORAGE INC	EXR
F5 NETWORKS INC	FFIV
FACTSET RESEARCH SYSTEMS	FDS
FASTENAL CO	FAST
FEDERAL REALTY INVT	FRT
FEDERATED INVESTORS INC	FII
FEI CO	FEIC
FIDELITY NATL INFO SVCS	FIS
FIFTH THIRD BANCORP	FITB
FIREEYE INC	FEYE
FIRST AMERICAN FINL CORP	FAF
FIRST DATA CORPORATION	FDC
FIRST HORIZON NATL CORP	FHN
FIRST NIAGARA FINL GRP	FNFG
FIRST REP BK SAN FRAN	FRC
FIRST SOLAR INC	FSLR
FIRSTENERGY CORP	FE
FISERV INC	FISV
FITBIT INC	FIT
FLEETCOR TECHNOLOGIES	FLT
FLIR SYSTEMS INC	FLIR
FLOWERS FOODS INC	FLO
FLOWERVE CORP	FLS
FLUOR CORP	FLR
FMC CORP	FMC
FMC TECHNOLOGIES INC	FTI
FNF GROUP	FNF

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Company	Ticker
ENDO INTERNATIONAL PLC	ENDP
ENDURANCE SPECIALTY HLDG	ENH
FORTINET INC	FTNT
FORTUNE BRDS HOME & SEC	FBHS
FRANK'S INTERNATIONAL	FI
FREEPORT-MCMORAN INC	FCX
FRONTIER COMMUNICATIONS	FTR
GALLAGHER ARTHUR J & CO	AJG
GAMESTOP CORP	GME
GAMING AND LEISURE PPTYS	GLPI
GAP INC	GPS
GARMIN LTD	GRMN
GARTNER INC	IT
GENERAL GROWTH PPTYS INC	GGP
GENESEE & WYOMING INC	GWR
GENPACT LTD	G
GENTEX CORP	GNTX
GENUINE PARTS CO	GPC
GLOBAL PAYMENTS INC	GPN
GODADDY INC	GDDY
GOODYEAR TIRE & RUBBER	GT
GRACE W R & CO	GRA
GRACO INC	GGG
GRAHAM HOLDINGS COMPANY	GHC
GRAINGER WW INC	GWW
GRAPHIC PACKAGING HLDG	GPK
GREAT PLAINS ENERGY INC	GXP
GROUPON INC	GRPN
GUIDEWIRE SOFTWARE INC	GWRE
GULFPORT ENERGY CORP	GPOR
HAIN CELESTIAL GROUP	HAIN
HANESBRAND INC	HBI
HANOVER INSURANCE GROUP	THG
HARLEY DAVIDSON INC	HOG
HARMAN INTERNATIONAL IND	HAR
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
HERBALIFE LTD	HLF
HERSHEY COMPANY	HSY

Company	Ticker
FOOT LOCKER INC	FL
FOREST CITY REALTY TRUST	FCE.A
HIGHWOODS PROPERTIES INC	HIW
HILL-ROM HOLDINGS INC	HRC
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
HUNTINGTON BANCSHARES	HBAN
HUNTINGTON INGALLS IND	HII
HUNTSMAN CORP	HUN
HYATT HOTELS CORP	H
IAC INTERACTIVECORP	IAC
IDEX CORP	IEX
IDEXX LABS INC	IDXX
IHS INC	IHS
ILLUMINA INC	ILMN
IMS HEALTH HLDGS INC	IMS
INCYTE CORP	INCY
INGERSOLL-RAND PLC	IR
INGRAM MICRO INC	IM
INGREDION INC	INGR
INOVALON HOLDINGS INC	INOV
INTERACTIVE BROKERS GRP	IBKR
INTERCEPT PHARMA INC	ICPT
INTERNATIONAL GAME TECH	IGT
INTERNATIONAL PAPER CO	IP
INTERPUBLIC GROUP OF COS	IPG
INTL FLAVORS & FRAGRANCE	IFF
INTREXON CORP	XON
INTUITIVE SURGICAL INC	ISRG
INVESCO LTD	IVZ
IONIS PHARMACEUTICALS	IONS
IPG PHOTONICS CORP	IPGP
IRON MOUNTAIN INC	IRM
ITC HOLDINGS CORP	ITC
ITT INC	ITT
JABIL CIRCUIT INC	JBL
JACOBS ENGINEERING GRP	JEC
JB HUNT TRANS SVCS INC	JBHT
JETBLUE AIRWAYS CORP	JBLU
JONES LANG LASALLE INC	JLL
JUNIPER NETWORKS INC	JNPR
JUNO THERAPEUTICS INC	JUNO

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Company	Ticker
HERTZ GLOBAL HOLDINGS	HTZ
HESS CORP	HES
HEXCEL CORP	HXL
KBR INC	KBR
KELLOGG CO	K
KEYCORP	KEY
KEYSIGHT TECHNOLOGIES	KEYS
KILROY REALTY CORP	KRC
KIMCO REALTY CORP	KIM
KIRBY CORP	KEX
KLA-TENCOR CORP	KLAC
KOHL'S CORP	KSS
KOSMOS ENERGY LTD	KOS
L BRANDS INC	LB
L-3 COMMUNICATIONS HLDGS	LLL
LABORATORY CORP OF AMER	LH
LAM RESEARCH CORP	LRCX
LAMAR ADVERTISING CO	LAMR
LANDSTAR SYSTEMS INC	LSTR
LAREDO PETROLEUM INC	LPI
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
LEUCADIA NATIONAL CORP	LUK
LEVEL 3 COMMUNICATIONS	LVLT
LEXMARK INTERNATIONAL	LXK
LIBERTY BROADBAND CL A	LBRDA
LIBERTY BROADBAND CL C	LBRDK
LIBERTY INTERACTIVE QVC	QVCA
LIBERTY PROPERTY TRUST	LPT
LIBERTY SIRIUSXM SER A	LSXMA
LIBERTY SIRIUSXM SER C	LSXMK
LIBERTY VENTURES	LVNTA
LIFEPOINT HEALTH INC	LPNT
LINCOLN ELECTRIC HLDGS	LECO
LINCOLN NATIONAL CORP	LNC
LINEAR TECHNOLOGY CO	LLTC
LINKEDIN CORP	LNKD
LIONS GATE ENTMTNT CORP	LGF
LIVE NATION ENT INC	LYV
LKQ CORP	LKQ
LOEWS CORP	L
LPL FINANCIAL HOLDINGS	LPLA

Company	Ticker
KANSAS CITY SOUTHERN	KSU
KAR AUCTION SERVICES INC	KAR
KATE SPADE & CO	KATE
MACYS INC	M
MADISON SQUARE GARDEN CO	MSG
MALLINCKRODT PLC	MNK
MANHATTAN ASSOCS INC	MANH
MANITOWOC FOODSERVICE	MFS
MANPOWERGROUP	MAN
MARATHON OIL CORP	MRO
MARATHON PETROLEUM CORP	MPC
MARKEL CORP	MKL
MARKETAXESS HOLDINGS INC	MKTX
MARRIOTT INTL INC	MAR
MARTIN MARIETTA MTLs	MLM
MARVELL TECHNOLOGY GROUP	MRTL
MASCO CORP	MAS
MATCH GROUP INC	MTCH
MATTEL INC	MAT
MAXIM INTEGRATED PRODS	MXIM
MCCORMICK & CO INC	MKC
MDU RESOURCES GROUP INC	MDU
MEAD JOHNSON NUTRITION	MJN
MEDIVATION INC	MDVN
MEDNAX INC	MD
MEMORIAL RESOURCE DEV	MRD
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
MICRON TECHNOLOGY INC	MU
MID-AMER APT CMNTYS	MAA
MIDDLEBY CORP	MIDD
MOHAWK INDUSTRIES INC	MHK
MOLSON COORS BREWING CO	TAP
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
MURPHY USA INC	MUSA
NABORS INDUSTRIES LTD	NBR
NASDAQ INC	NDAQ

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Company	Ticker
LULULEMON ATHLETICA INC	LULU
M & T BANK CORP	MTB
MACERICH CO	MAC
MACQUARIE INFRASTRUCTURE	MIC
NAVIENT CORPORATION	NAVI
NCR CORP	NCR
NETAPP INC	NTAP
NETSUITE INC	N
NEUROCRINE BIOSCIENCES	NBIX
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 CORPORATION PLC	NE
NOBLE ENERGY INC	NBL
NORDSON CORP	NDSN
NORDSTROM INC	JWN
NORTHERN TRUST CORP	NTRS
NORTHSTAR ASSET MGMT GRP	NSAM
NORTHSTAR REALTY FINANCE	NRF
NORWEGIAN CRUISE LINE	NCLH
NRG ENERGY INC	NRG
NU SKIN ENTERPRISES	NUS
NUANCE COMMUNICATIONS	NUAN
NUCOR CORP	NUE
NVIDIA CORP	NVDA
NVR INC	NVR
O REILLY AUTOMOTIVE INC	ORLY
OCEANEERING INTL INC	OII
OGE ENERGY CORP	OGE
OLD DOMINION FREIGHT	ODFL
OLD REPUBLIC INTL CORP	ORI
OMEGA HEALTHCARE INVS	OHI
OMNICOM GROUP INC	OMC
ON SEMICONDUCTOR CORP	ON
ONEMAIN HOLDINGS INC	OMF
ONEOK INC	OKE
OPKO HEALTH INC	OPK
ORBITAL ATK INC	OA
OSHKOSH CORP	OSK
OUTFRONT MEDIA INC	OUT
OWENS CORNING	OC
OWENS ILLINOIS INC	OI

Company	Ticker
NATIONAL FUEL GAS CO	NFG
NATIONAL INSTRS CORP	NATI
NATIONAL OILWELL VARCO	NOV
NATIONAL RETAIL PPTYS	NNN
PANERA BREAD CO	PNRA
PARAMOUNT GROUP INC	PGRE
PARKER HANNIFIN CORP	PH
PARSLEY ENERGY INC	PE
PATTERSON COS INC	PDCO
PATTERSON UTI ENERGY	PTEN
PAYCHEX INC	PAYX
PBF ENERGY INC	PBF
PENNEY J C INC	JCP
PENSKE AUTOMOTIVE GROUP	PAG
PENTAIR PLC	PNR
PEOPLES UNITED FINANCIAL	PBCT
PERKINELMER INC	PKI
PERRIGO CO PLC	PRGO
PIEDMONT NAT GAS INC	PNY
PIEDMONT OFFICE RLTY TR	PDM
PILGRIMS PRIDE CORP	PPC
PINNACLE FOODS INC	PF
PINNACLE WEST CAPITAL CO	PNW
PITNEY BOWES INC	PBI
PLATFORM SPECIALTY PRODS	PAH
POLARIS INDUSTRIES INC	PII
POOL CORP	POOL
POPULAR INC	BPOP
POST HOLDINGS INC	POST
POST PROPERTIES INC	PPS
PPL CORP	PPL
PREMIER INC	PINC
PRICE T ROWE GROUP INC	TROW
PRINCIPAL FINANCIAL GRP	PFG
PROASSURANCE CORP	PRA
PROGRESSIVE CORP	PGR
PROLOGIS INC	PLD
PTC INC	PTC
PUBLIC SVC ENTERPRISE	PEG
PULTEGROUP INC	PHM
PVH CORP	PVH
QEP RESOURCES INC	QEP
QIAGEN NV	QGEN
QORVO INC	QRVO
QUANTA SERVICES INC	PWR
QUEST DIAGNOSTICS INC	DGX
QUESTAR CORP	STR
QUINTILES TRANSNATIONAL	Q

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Company	Ticker
PACCAR INC	PCAR
PACKAGING CORP OF AMER	PKG
PACWEST BANCORP	PACW
PALO ALTO NETWORKS INC	PANW
PANDORA MEDIA INC	P
REALOGY HOLDINGS CORP	RLGY
REALTY INCOME CORP	O
RED HAT INC	RHT
REGAL BELOIT CORP	RBC
REGAL ENTMT GROUP	RGC
REGENCY CENTERS CORP	REG
REGIONS FINANCIAL CORP	RF
REINSURANCE GRP OF AMER	RGA
RELIANCE STEEL & ALUM	RS
RENAISSANCERE HOLDINGS	RNR
REPUBLIC SERVICES INC	RSG
RESMED INC	RMD
RETAIL PPTYS AMER INC	RPAI
RICE ENERGY INC	RICE
RITE AID CORP	RAD
ROBERT HALF INTL INC	RHI
ROCKWELL AUTOMATION INC	ROK
ROCKWELL COLLINS INC	COL
ROLLINS INC	ROL
ROPER TECHNOLOGIES INC	ROP
ROSS STORES INC	ROST
ROWAN COMPANIES PLC	RDC
ROYAL CARIBBEAN CRUISES	RCL
ROYAL GOLD INC	RGLD
RPC INC	RES
RPM INTERNATIONAL INC	RPM
RYDER SYSTEM INC	R
SABRE CORP	SABR
SALLY BEAUTY HOLDINGS	SBH
SANTANDER CNSMR USA HLDG	SC
SBA COMMUNICATIONS CORP	SBAC
SCANA CORP	SCG
SCHEIN HENRY INC	HSIC
SCOTTS MIRACLE-GRO CO	SMG
SCRIPPS NTWK INTERACTIVE	SNI
SEALED AIR CORP	SEE
SEATTLE GENETICS INC	SGEN
SEI INVESTMENTS CO	SEIC
SEMPRA ENERGY	SRE
SENIOR HOUSING PPTYS TR	SNH
SERVICE CORP INTL	SCI
SERVICEMASTER GLOBAL	SERV
SERVICENOW INC	NOW

Company	Ticker
RACKSPACE HOSTING INC	RAX
RALPH LAUREN CORP	RL
RANGE RESOURCES CORP	RRC
RAYMOND JAMES FINANCIAL	RJF
RAYONIER INC	RYN
SKYWORKS SOLUTIONS INC	SWKS
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
SOLARCITY CORP	SCTY
SONOCO PRODUCTS CO	SON
SOUTHERN COPPER CORP	SCCO
SOUTHWESTERN ENERGY CO	SWN
SOVRAN SELF STORAGE	SSS
SPECTRUM BRANDS HOLDINGS	SPB
SPIRIT AEROSYSTEMS	SPR
SPIRIT AIRLS INC	SAVE
SPIRIT RLTY CAP INC	SRC
SPLUNK INC	SPLK
SPRINT CORP	S
SPROUTS FRMRS MKT INC	SFM
SQUARE INC	SQ
SS&C TECHNOLOGIES HLDGS	SSNC
ST JUDE MEDICAL INC	STJ
STANLEY BLACK & DECKER	SWK
STAPLES INC	SPLS
STARWOOD HOTELS & RESRTS	HOT
STARWOOD PPTY TRUST INC	STWD
STARZ	STRZA
STEEL DYNAMICS INC	STLD
STERICYCLE INC	SRCL
STORE CAPITAL CORP	STOR
SUN COMMUNITIES INC	SUI
SUNPOWER CORP	SPWR
SUNTRUST BANKS INC	STI
SUPERIOR ENERGY SERVICES	SPN
SVB FINANCIAL GROUP	SIVB
SYMANTEC CORP	SYMC
SYNCHRONY FINANCIAL	SYF
SYNOPSYS INC	SNPS
SYNOVUS FINANCIAL CORP	SNV
TABLEAU SOFTWARE INC	DATA
TAHOE RES INC	TAHO
TANGER FACTORY OUTLET	SKT
TARGA RESOURCES INC	TRGP

# Membership list

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Company	Ticker
SIGNATURE BANK	SBNY
SIGNET JEWELERS LTD	SIG
SILGAN HOLDINGS INC	SLGN
SIRIUS XM HOLDINGS INC	SIRI
SIX FLAGS ENTMT CORP	SIX
SKECHERS USA INC	SKX
TELEPHONE & DATA SYSTEMS	TDS
TEMPUR SEALY INTL INC	TPX
TENET HEALTHCARE CORP	THC
TERADATA CORP	TDC
TERADYNE INC	TER
TEREX CORP	TEX
TESORO CORP	TSO
TEXTRON INC	TXT
TFS FINL CORP	TFSL
THE WENDY'S COMPANY	WEN
THOR INDUSTRIES INC	THO
TIFFANY & CO	TIF
TIMKEN CO	TKR
TOLL BROTHERS INC	TOL
TORCHMARK CORP	TMK
TORO CO	TTC
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 NAVIGATION LTD	TRMB
TRINITY INDUSTRIES INC	TRN
TRIPADVISOR INC	TRIP
TUPPERWARE BRANDS CORP	TUP
TWITTER INC	TWTR
TWO HBRS INVT CORP	TWO
TYCO INTERNATIONAL PLC	TYC
TYLER TECHNOLOGIES INC	TYL
TYSON FOODS INC	TSN
U S G CORP	USG
UDR INC	UDR
UGI CORP	UGI
ULTA SALON COSMETICS	ULTA
ULTIMATE SOFTWARE GROUP	ULTI
UNDER ARMOUR CLASS A	UA
UNDER ARMOUR CLASS C	UA.C
UNITED CONTINENTAL HLDGS	UAL
UNITED RENTALS INC	URI
UNITED STATES CELLULAR	USM

Company	Ticker
TAUBMAN CENTERS INC	TCO
TCF FINANCIAL CORP	TCB
TD AMERITRADE HOLDING	AMTD
TECO ENERGY INC	TE
TEGNA INC	TGNA
TELEFLEX INC	TFX
VALIDUS HOLDINGS LTD	VR
VALMONT INDUSTRIES INC	VMI
VALSPAR CORP	VAL
VANTIV INC	VNTV
VARIAN MEDICAL SYSTEMS	VAR
VCA INC	WOOF
VECTREN CORP	VVC
VEEVA SYSTEMS INC	VEEV
VENTAS INC	VTR
VEREIT INC	VER
VERIFONE SYSTEMS INC	PAY
VERISIGN INC	VRSN
VERISK ANALYTICS INC	VRSK
VIACOM INC CL A	VIA
VIACOM INC CL B	VIAB
VISTA OUTDOOR INC	VSTO
VISTEON CORP	VC
VORNADO REALTY TRUST	VNO
VOYA FINANCIAL INC	VOYA
VULCAN MATERIALS CO	VMC
VWR CORPORATION	VWR
W P CAREY INC	WPC
WABCO HOLDINGS INC	WBC
WABTEC CORP	WAB
WATERS CORP	WAT
WATSCO INC	WSO
WEATHERFORD INTL PLC	WFT
WEC ENERGY GROUP INC	WEC
WEINGARTEN RLTY INVS	WRI
WELLCARE GROUP INC	WCG
WELLTOWER INC	HCN
WESCO INTERNATIONAL INC	WCC
WEST PHARMACEUTICAL SVCS	WST
WESTAR ENERGY INC	WR
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



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Company	Ticker
UNITED STATES STEEL CORP	X
UNITED THERAPEUTICS	UTHR
UNIVERSAL HEALTH SVCS	UHS
UNUM GROUP	UNM
URBAN OUTFITTERS INC	URBN
US FOODS HOLDING CORP	USFD
VAIL RESORTS INC	MTN
WORKDAY INC	WDAY
WORLD FUEL SVCS CORP	INT
WPX ENERGY INC	WPX
WYNDHAM WORLDWIDE CORP	WYN
WYNN RESORTS LTD	WYNN
XCEL ENERGY INC	XEL
XEROX CORP	XRX
XILINX INC	XLNX
XL GROUP PLC	XL
XYLEM INC	XYL
YELP INC	YELP
ZAYO GROUP HOLDINGS INC	ZAYO
ZEBRA TECHNOLOGIES CORP	ZBRA
ZILLOW GROUP INC CLASS A	ZG
ZILLOW GROUP INC CLASS C	Z
ZIMMER BIOMET HOLDINGS	ZBH
ZIONS BANCORPORATION	ZION
ZOETIS INC	ZTS
ZYNGA INC	ZNGA

Company	Ticker
WHITE MTNS INS GROUP LTD	WTM
WHITEWAVE FOODS COMPANY	WWAV
WHITING PETROLEUM CORP	WLL
WHOLE FOODS MARKET INC	WFM
WILEY JOHN & SONS INC	JW.A
WILLIAMS COMPANIES INC	WMB
WILLIAMS SONOMA INC	WSM



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