



The option classes listed below will begin trading on the MIA X Pearl Exchange at the start of trading on **Monday, July 10, 2017.**

Security Symbol	Security Name	Option Class	Price Programs	Expiration Programs	Penny Pilot	Allocation Style	Billing Style	Exchange for Opening	Closing Time	Cloud
AAXJ	Ishares MSCI All Country Asia Ex Japan ETF	AAXJ	Idx Link	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
AB	Alliancebernstein Holding L.P.	AB	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	1
ABB	Abb Ltd-Spon Adr	ABB	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	1
ABCO	The Advisory Board Company	ABCO	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
ABY	Abengoa Yield Plc	ABY	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
ACHN	Achillion Pharmaceuticals, Inc.	ACHN	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
ACIA	Acacia Communications, Inc.	ACIA	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
ADMP	Adamis Pharmaceuticals Corporation	ADMP	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
ADNT	Adient PLC	ADNT	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	1
ADS	Alliance Data Systems Corp.	ADS	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	1
ADXS	Advaxis, Inc.	ADXS	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
AEIS	Advanced Energy Industries, Inc.	AEIS	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
AGEN	Agentis Inc.	AGEN	\$1.00, \$1.00 LTO	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
AGIO	Agius Pharmaceuticals Inc.	AGIO	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
AHGP	Alliance Holdings Gp, L.P.	AHGP	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
AKAO	Achaogen, Inc.	AKAO	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
AKBA	Akebia Therapeutics, Inc.	AKBA	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
AKG	Asanko Gold Inc.	AKG	Standard	Standard	No	Price Time	Maker-Taker	AMEX	4:00	1
AL	Air Lease Corp.	AL	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	1



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ALDR	Alder Biopharmaceuticals Inc.	ALDR	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
ALKS	Alkermes PLC	ALKS	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
ALR	Alere Inc.	ALR	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	1
ALRM	Alarm.Com Holdings, Inc.	ALRM	\$2.50	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
ALV	Autoliv, Inc.	ALV	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	1
AM	Antero Midstream Partners LP	AM	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	1
AMAG	Amag Pharmaceuticals Inc.	AMAG	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
AMC	Amc Entertainment Holdings, Inc.	AMC	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	1
AMCN	Airmedia Group Inc.	AMCN	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
AMG	Affiliated Managers Group Inc.	AMG	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	1
AMID	American Midstream Partners, LP	AMID	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	1
AMP	Ameriprise Financial Inc.	AMP	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	1
AMRI	Albany Molecular Research	AMRI	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
ANGI	Angie's List, Inc.	ANGI	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
ANW	Aegean Marine Petroleum Network Inc.	ANW	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	1
AON	AON PLC	AON	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	1
AOS	A.O. Smith Corporation	AOS	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	1
APOG	Apogee Enterprises, Inc.	APOG	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
AQMS	Aqua Metals, Inc.	AQMS	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
ARCH	Arch Coal, Inc.	ARCH	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	1
ARLP	Alliance Resource Partners	ARLP	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
ARR	Armour Residential Reit, Inc.	ARR	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	1
ATGE	Adtalem Global Education Inc.	ATGE	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	1
ATH	Athene Holding Ltd.	ATH	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	1
ATHM	Autohome Inc.	ATHM	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	1



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ATHN	Athenahealth, Inc.	ATHN	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
AUPH	Aurinia Pharmaceuticals Inc.	AUPH	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
AVB	Avalonbay Communities Inc.	AVB	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	1
AVXS	Avexis, Inc.	AVXS	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
BBG	Bill Barrett Corporation	BBG	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
BBVA	Banco Bilbao Vizcaya	BBVA	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
BC	Brunswick Corp.	BC	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
BCOR	Blucora, Inc.	BCOR	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
BCOV	Brightcove Inc.	BCOV	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
BEAT	Biotelemetry, Inc.	BEAT	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
BERY	Berry Plastics Group Inc.	BERY	\$2.50	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
BFB	Brown Forman Corporation	BFB	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
BGCP	Bgc Partners Inc	BGCP	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
BGFV	Big 5 Sporting Goods Corp.	BGFV	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
BGS	B&G Foods Inc.	BGS	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
BIB	Proshares Ultra Nasdaq Biotechnology	BIB	Idx Link	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
BITA	Bitauto Holdings Limited	BITA	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
BIVV	Bioverativ Inc.	BIVV	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
BJRI	Bj S Restaurants Inc.	BJRI	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
BLDP	Ballard Power Systems Inc.	BLDP	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
BMO	Bank Of Montreal	BMO	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
BNS	Bank Of Nova Scotia	BNS	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
BOOT	Boot Barn Holdings, Inc.	BOOT	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
BPL	Buckeye Partners, L.P.	BPL	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
BREW	Craft Brew Alliance, Inc.	BREW	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
BRFS	BRF - Brasil Foods SA	BRFS	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2



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BRKS	Brooks Automation, Inc.	BRKS	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
BRZU	Direxion Daily Brazil Bull 3x ETF	BRZU	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	2
BSBR	Banco Santander Brasil SA	BSBR	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
BTG	B2Gold Corp.	BTG	Standard	Standard	No	Price Time	Maker-Taker	AMEX	4:00	2
BW	Babcock & Wilcox Enterprises, Inc.	BW	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
BZH	Beazer Homes Usa Inc.	BZH	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
BZUN	Baozun Inc.	BZUN	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CAB	Cabela's Incorporated	CAB	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CACC	Credit Acceptance Corp.	CACC	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CAFD	8point3 Energy Partners LP	CAFD	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CAG	Conagra Brands, Inc.	CAG	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CAKE	The Cheesecake Factory	CAKE	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CALA	Calithera Biosciences, Inc.	CALA	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CALL	Magicjack Vocaltec Ltd	CALL	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CAMP	Calamp Corp.	CAMP	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CAMT	Camtek Ltd.	CAMT	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CAVM	Cavium, Inc.	CAVM	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CBRL	Cracker Barrel Old Country Store	CBRL	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CCE	Coca-Cola European Partners PLC	CCE	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CDZI	Cadiz Inc.	CDZI	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CE	Celanese Corporation	CE	\$2.50	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CEQP	Crestwood Equity Partners LP	CEQP	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CERS	Cerus Corporation	CERS	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CG	The Carlyle Group LP	CG	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2



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CGI	Celadon Group Inc.	CGI	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CGNX	Cognex Corporation	CGNX	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CHD	Church & Dwight Co.	CHD	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CHGG	Chegg, Inc.	CHGG	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CHRS	Coherus Biosciences, Inc.	CHRS	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CHU	China Unicom (Hong Kong) Ltd.	CHU	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CIE	Cobalt International Energy, Inc.	CIE	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CIM	Chimera Investment Corporation	CIM	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CLB	Core Laboratories N.V.	CLB	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CLD	Cloud Peak Energy, Inc.	CLD	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CLDX	Celldex Therapeutics, Inc.	CLDX	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CLMT	Calumet Specialty Products Partners, L.P.	CLMT	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CLNS	Colony Northstar, Inc.	CLNS	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CM	Canadian Imperial Bank Of Commerce	CM	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CMCM	Cheetah Mobile Inc.	CMCM	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CNAT	Conatus Pharmaceuticals Inc.	CNAT	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CNDT	Conduent Incorporated	CNDT	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CNI	Canadian National Railway	CNI	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
COGT	Cogint, Inc.	COGT	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
COHR	Coherent, Inc.	COHR	\$5.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
COHU	Cohu, Inc.	COHU	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2



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COMM	Commscope Holding Co, Inc.	COMM	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CONE	Cyrusone Inc.	CONE	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CONN	Conn's, Inc.	CONN	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CORN	Teucrium Commodity Trust Corn Fund Shares ETF	CORN	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	2
CORT	Corcept Therapeutics Incorporated	CORT	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
COUP	Coupa Software Incorporated	COUP	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CPA	Copa Holdings SA	CPA	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CPSS	Consumer Portfolio Services, Inc.	CPSS	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CQP	Cheniere Energy Ptnrs L.P.	CQP	\$1.00	Standard	No	Price Time	Maker-Taker	AMEX	4:00	2
CROX	Crocs, Inc.	CROX	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CRR	Carbo Ceramics Inc.	CRR	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CTRL	Control4 Corporation	CTRL	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CUR	Neuralstem, Inc.	CUR	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CVA	Covanta Holding Corporation	CVA	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CVE	Cenovus Energy Inc.	CVE	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CYOU	Changyou.Com Limited	CYOU	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CYS	Cys Investments Inc.	CYS	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CYTR	Cytrx Corp.	CYTR	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
DF	Dean Foods Co.	DF	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3
DGX	Quest Diagnostics Inc.	DGX	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3
DLB	Dolby Laboratories, Inc.	DLB	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3
DOV	Dover Corporation	DOV	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3



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DPS	Dr. Pepper Snapple Group, Inc.	DPS	\$2.50	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3
DRIP	Direxion Dly S&P Oil&Gs Ex&Prd Br 3x ETF	DRIP	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	3
DSW	DSW Inc.	DSW	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3
DVMT	Dell Technologies Inc.	DVMT	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3
DVY	ishares DJ Select Dividend	DVY	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	3
EDC	Direxion Daily Emerging Markets Bull 3x Shares	EDC	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	3
EDIT	Editas Medicine, Inc.	EDIT	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	3
EGHT	8x8 Inc.	EGHT	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	3
EGN	Energen Corporation	EGN	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3
EGRX	Eagle Pharmaceuticals Inc.	EGRX	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	3
EHTH	Ehealth, Inc.	EHTH	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	3
EIGI	Endurance International Group Holdings, Inc.	EIGI	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	3
EIX	Edison International	EIX	\$2.50	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3
ELF	E.L.F. Beauty, Inc.	ELF	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3
ELGX	Endologix, Inc.	ELGX	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	3
ELY	Callaway Golf Co.	ELY	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3
EMB	Ishares J.P. Morgan USD Emerging Markets Bond ETF	EMB	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	3
ENLC	Enlink Midstream, LLC	ENLC	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3
EPC	Edgewell Personal Care Company	EPC	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3
EPZM	Epizyme, Inc.	EPZM	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	3
ERF	Enerplus Corporation	ERF	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3
ERJ	Embraer S.A.	ERJ	\$2.50	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3



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EROS	Eros International PLC	EROS	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3
ERY	Direxionshares Daily Energy Bear 3x Shares	ERY	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	3
ETM	Entercom Communications Corp.	ETM	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3
ETR	Entery Corporation	ETR	\$2.50	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3
EUFN	iShares MSCI Europe Financials ETF	EUFN	Idx Link	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	3
EVC	Entravision Communications Corporation	EVC	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3
EVH	Evolent Health, Inc.	EVH	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3
EVHC	Envision Healthcare Holdings, Inc.	EVHC	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3
EWH	iShares Msci Hong Kong Index	EWH	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	3
EWQ	iShares MSCI France	EWQ	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	3
EWU	iShares MSCI United Kingdom Index ETF	EWU	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	3
EXTR	Extreme Networks, Inc.	EXTR	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	3
EZU	iShares MSCI Eurozone	EZU	Idx Link	Standard	No	Price Time	Maker-Taker	BATS	4:00	3
FCEL	Fuelcell Energy, Inc.	FCEL	\$1.00, \$1.00 LTO	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	3
FCG	First Trust Ise-Revere Natural Gas ETF	FCG	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	3
FGEN	Fibrogen, Inc.	FGEN	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	3
FIZZ	National Beverage Corp.	FIZZ	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	3
FLO	Flowers Foods, Inc.	FLO	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3
FLXN	Flexion Therapeutics, Inc.	FLXN	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	3
FNGN	Financial Engines Inc.	FNGN	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	3



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FOX	Twenty-First Century Fox, Inc.	FOX	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	3
FRAC	Keane Group, Inc.	FRAC	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3
FRAN	Francesca's Holding Corp.	FRAN	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	3
FRGI	Fiesta Restaurant Group Inc.	FRGI	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	3
FRSH	Papa Murphy's Holdings, Inc.	FRSH	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	3
FTV	Fortive Corporation	FTV	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3
FUEL	Rocket Fuel Inc.	FUEL	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	3
FXC	Currencyshares Canadian Dollar Trust	FXC	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	3
GALT	Galectin Therapeutics, Inc.	GALT	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	4
GCO	Genesco Inc.	GCO	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	4
GEO	Geo Group Inc (The)	GEO	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	4
GIII	G-III Apparel Group Ltd.	GIII	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	4
GLP	Global Partners LP	GLP	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	4
GLPI	Gaming And Leisure Properties Inc.	GLPI	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	4
GOOD	Gladstone Commercial Corporation	GOOD	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	4
GOV	Government Properties Income Trust	GOV	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	4
GPC	Genuine Parts	GPC	\$2.50	Standard	No	Price Time	Maker-Taker	NYSE	4:00	4
GPN	Global Payments Inc.	GPN	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	4
GREK	Global X Msci Greece ETF	GREK	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	4
GUSH	Direxion Dly S&P Oil&Gs Ex&Prd BI 3x ETF	GUSH	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	4
GXP	Great Plains Energy Incorporated	GXP	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	4



Security Symbol	Security Name	Option Class	Price Programs	Expiration Programs	Penny Pilot	Allocation Style	Billing Style	Exchange for Opening	Closing Time	Cloud
H	Hyatt Hotels Corporation	H	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	4
HA	Hawaiian Holdings, Inc.	HA	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	4
HACK	Purefunds ISE Cyber Security ETF	HACK	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	4
HDP	Hortonworks, Inc.	HDP	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	4
HDS	HD Supply Holdings, Inc.	HDS	\$2.50	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	4
HLX	Helix Energy Solutions Group Inc.	HLX	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	4
HOS	Hornbeck Offshore Services Inc.	HOS	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	4
HQY	Healthequity, Inc.	HQY	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	4
HRTX	Heron Therapeutics, Inc.	HRTX	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	4
IAU	iShares Gold Trust	IAU	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	5
IBKR	Interactive Brokers Group Inc.	IBKR	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	5
ICON	Iconix Brand Group Inc.	ICON	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	5
IDRA	Idera Pharmaceuticals, Inc.	IDRA	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	5
IGT	International Game Technology PLC	IGT	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5
IGV	iShares North American Tech-Software	IGV	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	5
IIVI	li-Vi Incorporated	IIVI	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	5
IJR	iShares Core S&P Small-Cap ETF	IJR	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	5
IMGN	Immunogen Inc.	IMGN	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	5
INCR	Inc Research Holdings, Inc.	INCR	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	5
INFO	Ihs Markit Ltd.	INFO	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	5
INO	Inovio Pharmaceuticals, Inc.	INO	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	5
INSM	Insmmed, Inc.	INSM	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	5
INXN	Interxion Holding NV	INXN	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5



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IPG	The Interpublic Group Of Companies, Inc.	IPG	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5
IPI	Intrepid Potash, Inc.	IPI	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5
IRM	Iron Mountain Inc.	IRM	\$2.50	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5
ITCI	Intra-Cellular Therapies, Inc.	ITCI	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	5
JASO	JA Solar Holdings Co., Ltd.	JASO	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	5
JBL	Jabil Circuit Inc.	JBL	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5
JCOM	J2 Global, Inc.	JCOM	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	5
JEC	Jacobs Engineering Group, Inc.	JEC	\$2.50	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5
JMEI	Jumei International Holding Ltd.	JMEI	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5
JONE	Jones Energy, Inc.	JONE	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5
KAR	Kar Auction Services, Inc.	KAR	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5
KATE	Kate Spade & Company	KATE	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5
KEM	Kemet Corporation	KEM	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5
KIE	Spdr S&P Insurance ETF	KIE	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	5
KIM	Kimco Realty Corp.	KIM	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5
KLAC	Kla-Tencor Corporation	KLAC	\$2.50	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	5
KLIC	Kulicke And Soffa Ind Inc.	KLIC	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	5
KN	Knowles Corporation	KN	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5
KND	Kindred Healthcare, Inc.	KND	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5
KOS	Kosmos Energy Ltd.	KOS	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5
KS	Kapstone Paper & Packaging Corp	KS	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5
KW	Kennedy-Wilson Holdings Inc.	KW	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5
LEA	Lear Corporation	LEA	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5
LEG	Leggett & Platt, Inc.	LEG	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5



Security Symbol	Security Name	Option Class	Price Programs	Expiration Programs	Penny Pilot	Allocation Style	Billing Style	Exchange for Opening	Closing Time	Cloud
LGIH	Lgi Homes, Inc.	LGIH	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	5
LLNW	Limelight Networks, Inc.	LLNW	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	5
LOCO	El Pollo Loco Holdings, Inc.	LOCO	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	5
LOGM	Logmein, Inc.	LOGM	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	5
LPI	Laredo Petroleum Holdings, Inc.	LPI	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5
LPLA	Lpl Financial Holdings Inc.	LPLA	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	5
LQ	La Quinta Holdings Inc.	LQ	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5
LSCC	Lattice Semiconductor Corporation	LSCC	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	5
LSI	Life Storage, Inc.	LSI	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5
LUK	Leucadia National Corp	LUK	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5
LYV	Live Nation Entertainment Inc.	LYV	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5
MAC	The Macerich Company	MAC	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	6
MASI	Masimo Corporation	MASI	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
MBLY	Mobileye N.V.	MBLY	\$1.00,\$2.50	Standard	Yes	Price Time	Maker-Taker	NYSE	4:00	6
MD	Mednax Inc.	MD	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	6
MDRX	Allscripts Healthcare Solutions, Inc.	MDRX	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
MDXG	Mimedx Group, Inc.	MDXG	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
MEOH	Methanex Corp.	MEOH	\$2.50	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
MFC	Manulife Financial Corporation	MFC	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	6
MGI	Moneygram International Inc.	MGI	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
MHK	Mohawk Industries, Inc.	MHK	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	6
MHLD	Maiden Holdings	MHLD	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
MIK	The Michaels Companies, Inc.	MIK	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
MITK	Mitek Systems, Inc.	MITK	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6



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MKC	Mccormick And Company, Inc.	MKC	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	6
MNTA	Momemta Pharmaceuticals, Inc	MNTA	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
MOH	Molina Healthcare Inc.	MOH	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	6
MSM	MSC Industrial Direct Co. Inc.	MSM	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	6
MTN	Vail Resorts, Inc.	MTN	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	6
MTSI	Macom Technology Solutions Holdings, Inc.	MTSI	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
MULE	Mulesoft, Inc.	MULE	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	6
MVIS	Microvision, Inc.	MVIS	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
MX	Magnachip Semiconductor Corp.	MX	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	6
MXWL	Maxwell Technologies, Inc.	MXWL	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
MYCC	Clubcorp Holdings, Inc.	MYCC	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	6
MZOR	Mazor Robotics Ltd.	MZOR	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
NADL	North Atlantic Drilling Limited	NADL	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	6
NCR	NCR Corp.	NCR	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	6
NDLS	Noodles & Company	NDLS	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
NEWR	New Relic, Inc.	NEWR	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	6
NMM	Navios Maritime Partners LP	NMM	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	6
NPTN	Neophotonics Corp.	NPTN	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	6
NS	Nustar Energy LP	NS	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	6
NSM	Nationstar Mortgage Holdings Inc.	NSM	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	6
NTGR	Netgear Inc.	NTGR	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
NTNX	Nutanix, Inc.	NTNX	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
NTRI	NUTRISYSTEM, Inc.	NTRI	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6



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NTRP	Neurotrope, Inc.	NTRP	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
NVCR	Novocure Limited	NVCR	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
NVDQ	Novadaq Technologies Inc.	NVDQ	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
NVMI	Nova Measuring Instruments Ltd.	NVMI	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
NVRO	Nevro Corp.	NVRO	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	6
NVTA	Invitae Corporation	NVTA	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	6
NXPI	NXP Semiconductors N.V.	NXPI	\$2.50	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
NXTM	Nxstage Medical Inc.	NXTM	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
NYLD	NRG Yield, Inc.	NYLD	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	6
OC	Owens Corning Inc.	OC	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
OI	Owens-Illinois Inc.	OI	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
OLLI	Ollie's Bargain Outlet Holdings, Inc.	OLLI	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
OMC	Omnicom Group	OMC	\$2.50	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
OMER	Omeros Corporation	OMER	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
OSK	Oshkosh Corporation	OSK	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
OSTK	Overstock.Com, Inc.	OSTK	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
OTEX	Open Text Corporation	OTEX	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
OZRK	Bank Of The Ozarks, Inc.	OZRK	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
PACB	Pacific Biosciences Of California Inc.	PACB	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
PBCT	Peoples United Financial Bank, Inc.	PBCT	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
PDCE	PDC Energy Inc.	PDCE	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
PDCO	Patterson Companies, Inc.	PDCO	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
PEG	Public Service Ent Group Inc.	PEG	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7



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PEGA	Pegasystems, Inc.	PEGA	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
PEGI	Pattern Energy Group Inc.	PEGI	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
PEI	Penn Real Estate Invest Tst	PEI	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
PETS	Petmed Express, Inc.	PETS	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
PFPT	Proofpoint, Inc.	PFPT	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
PGNX	Progenics Pharmaceuticals	PGNX	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
PHG	Koninklijke Philips N.V.	PHG	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
PHH	Ph Corporation	PHH	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
PI	Impinj, Inc.	PI	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
PIR	Pier 1 Imports, Inc.	PIR	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
PLAY	Dave & Buster's Entertainment, Inc.	PLAY	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
PLNT	Planet Fitness, Inc.	PLNT	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
PLX	Protalix Biotherapeutics Inc.	PLX	\$1.00	Standard	No	Price Time	Maker-Taker	AMEX	4:00	7
PNR	Pentair, Inc.	PNR	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
PNW	Pinnacle West Capital Corporation	PNW	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
PPC	Pilgrims Pride Corp.	PPC	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
PRAA	PRA Group, Inc.	PRAA	\$2.50	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
PRTK	Paratek Pharmaceuticals, Inc.	PRTK	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
PRTY	Party City Holdco Inc.	PRTY	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
PSTI	Pluristem Therapeutics Inc.	PSTI	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
PTX	Pernix Therapeutics Holdings, Inc.	PTX	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
QSR	Restaurant Brands International Inc.	QSR	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
QVCA	QVC Group	QVCA	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
R	Ryder Systems Inc.	R	\$2.50	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
RACE	Ferrari N.V.	RACE	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7



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RARE	Ultragenyx Pharmaceutical Inc.	RARE	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
RDN	Radian Group Inc.	RDN	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
RENN	Renren, Inc.	RENN	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
RFP	Resolute Forest Products Inc.	RFP	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
RHI	Robert Half International	RHI	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
RJF	Raymond James Financial Inc.	RJF	\$2.50	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
RLGY	Realty Holdings Corp.	RLGY	\$2.50	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
RMTI	Rockwell Medical, Inc.	RMTI	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
RNG	Ringcentral, Inc.	RNG	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
RRD	R.R. Donnelley & Sons Company	RRD	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
RRGB	Red Robin Gourmet Burgers, Inc.	RRGB	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
RS	Reliance Steel & Aluminum Co.	RS	\$2.50	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
RT	Ruby Tuesday, Inc.	RT	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
RUN	Sunrun Inc.	RUN	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
RUSL	Direxion Daily Russia Bull 3x Shares	RUSL	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	7
RYAM	Rayonier Advanced Materials Inc.	RYAM	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
SABR	Sabre Corporation	SABR	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
SAFM	Sanderson Farms Inc.	SAFM	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
SALT	Scorpio Bulkers Inc.	SALT	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
SAM	Boston Beer Company, Inc.	SAM	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
SAN	Banco Santander, S.A.	SAN	\$0.50,\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
SANM	Sanmina Corporation	SANM	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
SAP	SAP AG	SAP	\$2.50	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
SBGL	Sibanye Gold Limited	SBGL	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
SBLK	Star Bulk Carriers Corporation	SBLK	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8



Security Symbol	Security Name	Option Class	Price Programs	Expiration Programs	Penny Pilot	Allocation Style	Billing Style	Exchange for Opening	Closing Time	Cloud
SDOW	Proshares Ultrapro Short Dow30	SDOW	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	8
SGEN	Seattle Genetics, Inc.	SGEN	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
SGMO	Sangamo Biosciences, Inc.	SGMO	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
SHOO	Steven Madden, Ltd.	SHOO	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
SID	Companhia Siderurgical Nacional	SID	\$1.00, \$1.00 LTO	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
SIL	Global X Silver Miners ETF	SIL	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	8
SIMO	Silicon Motion Technology Corp.	SIMO	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
SIVB	SVB Financial Group	SIVB	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
SIX	Six Flags Entertainment Corporation	SIX	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
SKT	Tanger Factory Outlet Centers, Inc.	SKT	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
SLM	SLM Corp.	SLM	\$1.00	Standard	Yes	Price Time	Maker-Taker	NASDAQ	4:00	8
SMTC	Semtech Corporation	SMTC	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
SNA	Snap-On Incorporated	SNA	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
SNCR	Synchronoss Technologies, Inc.	SNCR	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
SNH	Senior Housing Properties Trust	SNH	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
SNPS	Synopsys Inc.	SNPS	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
SNV	Synovus Financial Corporation	SNV	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
SOHU	Sohu.Com Inc.	SOHU	\$2.50	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
SORL	Sorl Auto Parts, Inc.	SORL	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
SOXL	Direxion Daily Semiconductor Bull 3x ETF	SOXL	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	8
SOXX	iShares PHLX Semiconductor Index Fund	SOXX	Idx Link	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
SPB	Spectrum Brands Holdings Inc.	SPB	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8



Security Symbol	Security Name	Option Class	Price Programs	Expiration Programs	Penny Pilot	Allocation Style	Billing Style	Exchange for Opening	Closing Time	Cloud
SPGI	S&P Global Inc.	SPGI	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
SPH	Suburban Propane Partners, L.P.	SPH	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
SQM	Chemical & Mining Co. Of Chile Inc.	SQM	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
SRC	Spirit Realty Capital, Inc.	SRC	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
SRE	Sempra Energy	SRE	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
SRG	Seritage Growth Properties	SRG	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
SSNC	Ss&C Technologies Holdings, Inc.	SSNC	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
SSP	The E.W. Scripps Company	SSP	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
SSTK	Shutterstock, Inc.	SSTK	\$2.50	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
ST	Sensata Technologies Holding	ST	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
STON	Stonemor Partners LP	STON	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
STRP	Straight Path Communications Inc.	STRP	Standard	Standard	No	Price Time	Maker-Taker	AMEX	4:00	8
SUPN	Supernus Pharmaceuticals, Inc.	SUPN	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
SWK	Stanley Black & Decker	SWK	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
SXCP	Suncoke Energy Partners, L.P.	SXCP	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
SXE	Southcross Energy Partners L.P.	SXE	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
SYNT	Syntel, Inc.	SYNT	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
TACO	Del Taco Restaurants, Inc.	TACO	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
TAL	Tal International Group Inc	TAL	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
TCO	Taubman Centers, Inc.	TCO	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
TCS	The Container Store Group, Inc.	TCS	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
TDOC	Teladoc, Inc.	TDOC	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
TEAM	Atlassian Corporation PLC	TEAM	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
TEL	TE Connectivity Ltd.	TEL	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8



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TGI	Triumph Group, Inc.	TGI	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
TGNA	Tegna, Inc.	TGNA	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
THS	Treehouse Foods, Inc.	THS	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
TIVO	Tivo Corporation	TIVO	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
TM	Toyota Motor Corp.	TM	Standard	Standard	Yes	Price Time	Maker-Taker	NYSE	4:00	8
TMF	Direxion Daily 20+ Yr Trsy Bull 3x ETF	TMF	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	8
TOO	Teekay Offshore Partners LP	TOO	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
TREX	Trex Co. Inc.	TREX	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
TRTN	Triton International Ltd.	TRTN	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
TRU	Transunion	TRU	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
TRVG	Trivago N.V.	TRVG	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
TRXC	Transenterix, Inc.	TRXC	\$0.50,\$1.00	Standard	No	Price Time	Maker-Taker	AMEX	4:00	8
TS	Tenaris SA	TS	\$2.50	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
TTMI	Ttm Technologies, Inc.	TTMI	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
TTPH	Tetraphase Pharmaceuticals, Inc.	TTPH	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
TWM	Proshares Ultrashort Russell 2000	TWM	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	8
TWO	Two Harbors Investment Corporation	TWO	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
TWOU	2u, Inc.	TWOU	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
TX	Ternium S.A.	TX	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
UBS	UBS Group AG	UBS	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	9
UCTT	Ultra Clean Holdings, Inc.	UCTT	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	9
UEPS	Net 1 Ueps Technologies	UEPS	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	9
UFS	Domtar, Corp.	UFS	\$2.50	Standard	No	Price Time	Maker-Taker	NYSE	4:00	9
UGA	United States Gasoline	UGA	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	9



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UHS	Universal Health Services Inc.	UHS	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	9
UIS	Unisys Corporation	UIS	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	9
UNIT	Uniti Group Inc.	UNIT	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	9
UNT	Unit Corporation	UNT	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	9
UTHR	United Therapeutics Corp.	UTHR	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	9
VAC	Marriott Vacations Worldwide Corp.	VAC	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	9
VAR	Varian Medical Systems, Inc.	VAR	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	9
VER	Vereit, Inc.	VER	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	9
VG	Vonage Holdings Corporation	VG	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	9
VIRT	Virtu Financial, Inc.	VIRT	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	9
VJET	Voxeljet AG	VJET	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	9
VNO	Vornado Realty Trust	VNO	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	9
VOC	VOC Energy Trust	VOC	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	9
VOYA	Voya Financial Inc.	VOYA	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	9
VSAT	Viasat, Inc.	VSAT	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	9
VSI	Vitamin Shoppe Inc.	VSI	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	9
VSM	Versum Materials, Inc.	VSM	\$2.50	Standard	No	Price Time	Maker-Taker	NYSE	4:00	9
VTI	Vanguard Total Stock Market ETF	VTI	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	9
VVV	Valvoline Inc.	VVV	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	9
VXZ	iPath S&P 500 VIX MT Futures ETN	VXZ	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:15	9
WBAI	500.Com Limited	WBAI	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	10
WBC	Wabco Holdings Inc.	WBC	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	10
WGO	Winnebago Industries, Inc.	WGO	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	10
WIX	Wix.Com Ltd.	WIX	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	10



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WLH	William Lyon Homes	WLH	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	10
WMGI	Wright Medical Group N.V.	WMGI	\$2.50	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	10
WNC	Wabash National Corp.	WNC	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	10
WNRL	Western Refining Logistics, LP	WNRL	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	10
WPG	Washington Prime Group Inc.	WPG	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	10
WPRT	Westport Innovations Inc.	WPRT	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	10
WR	Westar Energy, Inc.	WR	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	10
WWE	World Wrestling Entertainment Inc.	WWE	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	10
XBIT	Xbiotech, Inc.	XBIT	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	10
XEC	Cimarex Energy Co.	XEC	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	10
XES	SPDR S&P Oil & Gas Equipment & Svcs ETF	XES	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	10
XL	XL Group PLC	XL	\$1.00	Standard	Yes	Price Time	Maker-Taker	NYSE	4:00	10
XONE	The Exone Company	XONE	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	10
XPER	Xperi Corporation	XPER	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	10
XRAY	Dentsply Intl, Inc.	XRAY	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	10
XXII	22nd Century Group, Inc.	XXII	\$1.00	Standard	No	Price Time	Maker-Taker	AMEX	4:00	10
YANG	Direxion Daily FTSE China Bear 3x Shares	YANG	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	10
YINN	Direxion Daily China 3x Bull Shares	YINN	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	10
YRD	Yirendai Ltd.	YRD	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	10
YUMC	Yum China Holdings, Inc.	YUMC	\$2.50	Standard	No	Price Time	Maker-Taker	NYSE	4:00	10
ZBH	Zimmer Bionet Holdings, Inc.	ZBH	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	11
ZBRA	Zebra Technologies Corp.	ZBRA	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	11
ZG	Zillow Group, Inc.	ZG	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	11



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ZGNX	Zogenix, Inc.	ZGNX	\$1.00	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	11
ZOES	Zoe's Kitchen, Inc.	ZOES	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	11
ZTO	Zto Express (Cayman) Inc.	ZTO	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	11
ZYNE	Zynerba Pharmaceuticals, Inc.	ZYNE	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	11

Please contact MIAX Listings with any questions.

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