



The option classes listed below will begin trading on the MIA X Pearl Exchange at the start of trading on **Monday, November 13, 2017.**

Security Symbol	Security Name	Option Class	Price Programs	Expiration Programs	Penny Pilot	Allocation Style	Billing Style	Exchange for Opening	Closing Time	Cloud
ACTA	Actua Corporation	ACTA	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
ADMS	Adamas Pharmaceuticals, Inc.	ADMS	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
AFTY	CSOP FTSE China A50 ETF	AFTY	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	1
AHL	Aspen Insurance Holdings Ltd	AHL	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	1
AIMT	Aimmune Therapeutics, Inc.	AIMT	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
ALOG	Analogic Corporation	ALOG	\$2.50	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
ANGO	AngioDynamics, Inc.	ANGO	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
ATUS	Altice USA, Inc.	ATUS	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	1
AVEO	AVEO Pharmaceuticals, Inc.	AVEO	\$1.00, \$1.00 LTO	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	1
BAS	Basic Energy Services, Inc.	BAS	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
BECN	Beacon Roofing Supply, Inc.	BECN	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
BGNE	BeiGene, Ltd.	BGNE	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
BHF	Brighthouse Financial, Inc.	BHF	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
BHGE	Baker Hughes, a GE company	BHGE	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
BKD	Brookdale Senior Living Inc.	BKD	\$1.00, \$2.50	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
BKF	iShares MSCI BRIC ETF	BKF	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	2
BPMC	Blueprint Medicines Corp.	BPMC	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
BTU	Peabody Energy Corporation	BTU	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CARS	Cars.com Inc.	CARS	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CCC	Calgon Carbon Corporation	CCC	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2

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CLDR	Cloudera, Inc.	CLDR	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CLLS	Cellectis S.A.	CLLS	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
COL	Rockwell Collins, Inc.	COL	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
CUTR	Cutera, Inc.	CUTR	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	2
CVNA	Carvana Co.	CVNA	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	2
DBVT	DBV Technologies S.A.	DBVT	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	3
DIOD	Diodes Incorporated	DIOD	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	3
FCSC	Fibrocell Science Inc	FCSC	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	3
FM	iShares MSCI Frontier 100 ETF	FM	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	3
FND	Floor & Decor Holdings, Inc.	FND	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	3
FWONA	Formula One Group	FWONA	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	3
GLDD	Great Lakes Dredge & Dock Corporation	GLDD	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	4
GLOB	Globant S.A.	GLOB	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	4
GLP	Global Partners LP	GLP	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	4
GLYC	GlycoMimetics, Inc.	GLYC	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	4
GROW	U.S. Global Investors, Inc.	GROW	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	4
GSAT	Globalstar, Inc.	GSAT	\$0.50, \$1.00, \$1.00 LTO	Standard	No	Price Time	Maker-Taker	NYSE MKT	4:00	4
GXG	Global X MSCI Colombia ETF	GXG	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	4
HE	Hawaiian Electric Industries, Inc.	HE	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	4
HIIQ	Health Insurance Innovations, Inc.	HIIQ	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	4
HOMB	Home BancShares, Inc.	HOMB	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	4
HOME	At Home Group Inc.	HOME	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	4

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HSNI	HSN, Inc.	HSNI	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	4
IWP	iShares Russell Midcap Growth ETF	IWP	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	5
IWS	iShares Russell Mid-cap Value ETF	IWS	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	5
KL	Kirkland Lake Gold Ltd.	KL	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	5
KOPN	Kopin Corporation	KOPN	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	5
LBRDK	Liberty Broadband Corporation	LBRDK	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	5
LOXO	Loxo Oncology, Inc.	LOXO	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	5
LVNTA	Liberty Ventures	LVNTA	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	5
MANT	ManTech International Corporation	MANT	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
MCRI	Monarch Casino & Resort, Inc.	MCRI	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
MNRO	Monro, Inc.	MNRO	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
MRTX	Mirati Therapeutics, Inc.	MRTX	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
MTRX	Matrix Service Company	MTRX	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
NEOS	Neos Therapeutics, Inc.	NEOS	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	6
NRE	NorthStar Realty Europe Corp.	NRE	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	6
OKTA	Okta, Inc.	OKTA	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
OTIC	Otonomy, Inc.	OTIC	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
PLPM	Planet Payment, Inc.	PLPM	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
POWI	Power Integrations, Inc.	POWI	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
PRFT	Perficient, Inc.	PRFT	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
PRO	PROS Holdings, Inc.	PRO	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
QDEL	Quidel Corporation	QDEL	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7



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RDFN	Redfin Corporation	RDFN	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
RE	Everest Re Group, Ltd.	RE	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
REG	Regency Centers Corporation	REG	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
REMX	VanEck Vectors Rare Earth/Strat Mtls ETF	REMX	Idx Link	Standard	No	Price Time	Maker-Taker	NYSE Arca	4:00	7
RGNX	REGENXBIO Inc.	RGNX	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
RIC	Richmont Mines, Inc.	RIC	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
RICE	Rice Energy Inc.	RICE	Standard	STO	No	Price Time	Maker-Taker	NYSE	4:00	7
RLJ	RLJ Lodging Trust	RLJ	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
RNR	RenaissanceRe Holdings Ltd.	RNR	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	7
RUSHA	Rush Enterprises, Inc.	RUSHA	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
RXDX	Ignyta, Inc.	RXDX	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	7
SFR	Starwood Waypoint Homes	SFR	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
STRL	Sterling Construction Company Inc.	STRL	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
TCF	TCF Financial Corporation	TCF	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
TEF	Telefonica SA	TEF	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	8
TNXP	Tonix Pharmaceuticals Holding Corp.	TNXP	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
TTD	The Trade Desk, Inc.	TTD	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	8
UMH	UMH Properties, Inc.	UMH	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	9
UPL	Ultra Petroleum Corp.	UPL	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	9
VNOM	Viper Energy Partners LP	VNOM	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	9
VR	Validus Holdings, Ltd.	VR	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	9
VREX	Varex Imaging Corporation	VREX	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	9
VSTM	Verastem, Inc.	VSTM	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	9
VXUS	Vanguard Total International Stock ETF	VXUS	Idx Link	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	9



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VYGR	Voyager Therapeutics, Inc.	VYGR	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	9
WBT	Welbilt, Inc.	WBT	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	10
WMS	Advanced Drainage Systems, Inc.	WMS	Standard	Standard	No	Price Time	Maker-Taker	NYSE	4:00	10
WRLD	World Acceptance Corporation	WRLD	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	10
XCO	EXCO Resources, Inc.	XCO	\$1.00	Standard	No	Price Time	Maker-Taker	NYSE	4:00	10
ZN	Zion Oil & Gas Inc.	ZN	Standard	Standard	No	Price Time	Maker-Taker	NASDAQ	4:00	11

Please contact MIAX Listings with any questions.

Listings@MIAXOptions.com

(609) 897-7308