



# MIAX Sapphire™ Options Exchange

The option classes listed below will begin trading on the MIAX Sapphire Options Exchange at the start of trading on **Monday, September 30, 2024**. All option classes on MIAX Sapphire utilize Price-Time allocation.

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
AB	AllianceBernstein Holding L.P.	AB	No	NYSE	4:00 PM	1
ABAT	AMERICAN BATTERY TECHNOLOGY CO.	ABAT	No	NASDAQ	4:00 PM	1
ABEO	ABEONA THERAPEUTICS INC.	ABEO	No	NASDAQ	4:00 PM	1
ABG	ASBURY AUTOMOTIVE GROUP INCCOM	ABG	No	NYSE	4:00 PM	1
ABM	ABM INDUSTRIES INCORPORATED	ABM	No	NYSE	4:00 PM	1
ABSI	ABSCI CORPORATION	ABSI	No	NASDAQ	4:00 PM	1
ACHC	Acadia Healthcare Co Inc.	ACHC	No	NASDAQ	4:00 PM	1
ACHV	ACHIEVE LIFE SCIENCES, INC.	ACHV	No	NASDAQ	4:00 PM	1
ACIC	American Coastal Insurance Corporation	ACIC	No	NASDAQ	4:00 PM	1
ACIU	AC IMMUNE SA	ACIU	No	NASDAQ	4:00 PM	1
ACTG	ACACIA RESEARCH CORPORATION	ACTG	No	NASDAQ	4:00 PM	1
ADAP	Adaptimmune Therapeutics PLC	ADAP	No	NASDAQ	4:00 PM	1
ADT	ADT Inc.	ADT	No	NYSE	4:00 PM	1
ADTN	ADTRAN, INC.	ADTN	No	NASDAQ	4:00 PM	1
ADVM	Adverum Biotechnologies, Inc.	ADVM	No	NASDAQ	4:00 PM	1
AEE	AMEREN CORPORATION	AEE	No	NYSE	4:00 PM	1



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
AESI	ATLAS ENERGY SOLUTIONS INC	AESI	No	NYSE	4:00 PM	1
AGCO	AGCO CORPORATION	AGCO	No	NYSE	4:00 PM	1
AGG	iShares Core U.S. Aggregate Bond ETF	AGG	No	NYSE Arca	4:00 PM	1
AGO	ASSURED GUARANTY LTD.	AGO	No	NYSE	4:00 PM	1
AHT	Ashford Hospitality Trust, Inc.	AHT	No	NYSE	4:00 PM	1
AIQ	GLOBAL X ARTIFICIAL INTELLIGENCE & TECHNOLOGY ETF	AIQ	No	NASDAQ	4:00 PM	1
AJG	ARTHUR J. GALLAGHER & CO.	AJG	No	NYSE	4:00 PM	1
AKRO	AKERO THERAPEUTICS, INC.	AKRO	No	NASDAQ	4:00 PM	1
AKTS	AKOUSTIS TECHNOLOGIES, INC	AKTS	No	NASDAQ	4:00 PM	1
AL	Air Lease Corp	AL	No	NYSE	4:00 PM	1
ALKS	ALKERMES PLC	ALKS	No	NASDAQ	4:00 PM	1
ALKT	ALKAMI TECHNOLOGY INC	ALKT	No	NASDAQ	4:00 PM	1
ALLO	Allogene Therapeutics, Inc.	ALLO	No	NASDAQ	4:00 PM	1
ALTR	Altair Engineering Inc.	ALTR	No	NASDAQ	4:00 PM	1
AMBP	Ardagh Metal Packaging S.A.	AMBP	No	NYSE	4:00 PM	1
AMDL	GRANITESHARES 2X LONG AMD DAILY ETF	AMDL	No	NASDAQ	4:00 PM	1
AME	AMETEK, INC.	AME	No	NYSE	4:00 PM	1
AMED	AMEDISYS INC	AMED	No	NASDAQ	4:00 PM	1
AMLP	Alerian MLP ETF	AMLP	No	NYSE Arca	4:00 PM	1
AMN	AMN Healthcare Services, Inc.	AMN	No	NYSE	4:00 PM	1



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AMP	AMERIPRISE FINANCIAL INC	AMP	No	NYSE	4:00 PM	1
AMPS	Altus Power, Inc.	AMPS	No	NYSE	4:00 PM	1
AMPX	AMPRIUS TECHNOLOGIES INC	AMPX	No	NYSE	4:00 PM	1
AMRX	Amneal Pharmaceuticals, Inc.	AMRX	No	NASDAQ	4:00 PM	1
AMZU	Direxion Daily AMZN Bull 2X Shares	AMZU	No	NASDAQ	4:00 PM	1
APAM	Artisan Partners Asset Management, Inc.	APAM	No	NYSE	4:00 PM	1
APLE	Apple Hospitality REIT, Inc.	APLE	No	NYSE	4:00 PM	1
APLT	APPLIED THERAPEUTICS, INC.	APLT	No	NASDAQ	4:00 PM	1
ARBE	ARBE ROBOTICS LTD	ARBE	No	NASDAQ	4:00 PM	1
ARBK	ARGO BLOCKCHAIN PLC	ARBK	No	NASDAQ	4:00 PM	1
ARCB	ARCBEST CORPORATION	ARCB	No	NASDAQ	4:00 PM	1
ARCO	ARCOS DORADOS HOLDINGS INC.	ARCO	No	NYSE	4:00 PM	1
ARCT	Arcturus Therapeutics Holdings Inc.	ARCT	No	NASDAQ	4:00 PM	1
ARGX	argenx SE	ARGX	No	NASDAQ	4:00 PM	1
ARKF	ARK FINTECH INNOVATION	ARKF	No	NYSE Arca	4:00 PM	1
ARLO	Arlo Technologies, Inc.	ARLO	No	NYSE	4:00 PM	1
AROC	Archrock, Inc.	AROC	No	NYSE	4:00 PM	1
ARVN	Arvinas, Inc.	ARVN	No	NASDAQ	4:00 PM	1
AS	AMER SPORTS INC	AS	No	NYSE	4:00 PM	1
ASLE	AERSALE CORPORATION	ASLE	No	NASDAQ	4:00 PM	1



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ASND	Ascendis Pharma A/S	ASND	No	NASDAQ	4:00 PM	1
ASX	ASE TECHNOLOGY HOLDING CO., LTD.	ASX	No	NYSE	4:00 PM	1
ATAI	ATAI LIFE SCIENCES N.V.	ATAI	No	NASDAQ	4:00 PM	1
ATGE	Adtalem Global Education Inc.	ATGE	No	NYSE	4:00 PM	1
ATI	Allegheny Technologies, Inc.	ATI	No	NYSE	4:00 PM	1
ATLX	ATLAS LITHIUM CORP	ATLX	No	NASDAQ	4:00 PM	1
ATNM	Actinium Pharmaceuticals, Inc.	ATNM	No	AMEX	4:00 PM	1
ATRC	AtriCure Inc.	ATRC	No	NASDAQ	4:00 PM	1
ATSG	Air Transport Services Group Inc.	ATSG	No	NASDAQ	4:00 PM	1
AUGX	AUGMEDIX INC	AUGX	No	NASDAQ	4:00 PM	1
AVDX	AVIDXCHANGE HOLDINGS INC	AVDX	No	NASDAQ	4:00 PM	1
AVY	AVERY DENNISON CORP.	AVY	No	NYSE	4:00 PM	1
AXTI	AXT, Inc.	AXTI	No	NASDAQ	4:00 PM	1
AZTA	Azenta, Inc.	AZTA	No	NASDAQ	4:00 PM	1
AZZ	AZZ Incorporated	AZZ	No	NYSE	4:00 PM	1
B	Barnes Group Inc.	B	No	NYSE	4:00 PM	1
BAND	BANDWIDTH, INC	BAND	No	NASDAQ	4:00 PM	1
BBAR	BBVA Banco Frances S.A	BBAR	No	NYSE	4:00 PM	1
BBW	Build-A-Bear Workshop, Inc.	BBW	No	NYSE	4:00 PM	1
BCAB	BIOATLA, INC.	BCAB	No	NASDAQ	4:00 PM	1



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Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
BCLI	Brainstorm Cell Therapeutics Inc.	BCLI	No	NASDAQ	4:00 PM	1
BCO	THE BRINK'S COMPANY	BCO	No	NYSE	4:00 PM	1
BDTX	Black Diamond Therapeutics, Inc.	BDTX	No	NASDAQ	4:00 PM	1
BECN	BEACON ROOFING SUPPLY, INC	BECN	No	NASDAQ	4:00 PM	1
BEP	BROOKFIELD RENEWABLE PARTNERS LP	BEP	No	NYSE	4:00 PM	1
BEPC	BROOKFIELD RENEWABLE CORPORATION	BEPC	No	NYSE	4:00 PM	1
BEST	BEST Inc.	BEST	No	NYSE	4:00 PM	1
BFLY	Butterfly Network, Inc.	BFLY	No	NYSE	4:00 PM	1
BGFV	Big 5 Sporting Goods Corp.	BGFV	No	NASDAQ	4:00 PM	1
BHF	Brighthouse Financial, Inc.	BHF	No	NASDAQ	4:00 PM	1
BHR	Braemar Hotels & Resorts Inc.	BHR	No	NYSE	4:00 PM	1
BIP	Brookfield Infrastructure Partners L.P.	BIP	No	NYSE	4:00 PM	1
BITQ	BITWISE CRYPTO INDUSTRY INNOVATORS ETF	BITQ	No	NYSE Arca	4:00 PM	1
BKE	The Buckle, Inc.	BKE	No	NYSE	4:00 PM	1
BLDE	Blade Air Mobility, Inc.	BLDE	No	NASDAQ	4:00 PM	1
BLDP	BALLARD POWER SYSTEMS INC	BLDP	No	NASDAQ	4:00 PM	1
BLND	BLEND LABS, INC	BLND	No	NYSE	4:00 PM	1
BLOK	Amplify Transformational Data Sharing ETF	BLOK	No	NYSE Arca	4:00 PM	1
BLZE	BACKBLAZE, INC.	BLZE	No	NASDAQ	4:00 PM	1
BMA	Banco Macro S.A.	BMA	No	NYSE	4:00 PM	1



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BMTX	BM TECHNOLOGIES, INC.	BMTX	No	AMEX	4:00 PM	1
BND	Vanguard Total Bond Market ETF	BND	No	NASDAQ	4:00 PM	1
BORR	BORR DRILLING LIMITED	BORR	No	NYSE	4:00 PM	1
BOTZ	Global X Robotics & Artifcl Intlgnctf	BOTZ	No	NASDAQ	4:00 PM	1
BRAG	BRAGG GAMING GROUP INC.	BRAG	No	NASDAQ	4:00 PM	1
BRFS	BRF - Brasil Foods SA	BRFS	No	NYSE	4:00 PM	1
BRKR	Bruker Corporation	BRKR	No	NASDAQ	4:00 PM	1
BRO	BROWN & BROWN, INC	BRO	No	NYSE	4:00 PM	1
BSM	Black Stone Minerals L.P.	BSM	No	NYSE	4:00 PM	1
BSY	BENTLEY SYSTEMS INCORPORATED	BSY	No	NASDAQ	4:00 PM	1
BTAI	BioXcel Therapeutics Inc.	BTAI	No	NASDAQ	4:00 PM	1
BTE	BAYTEX ENERGY CORP.	BTE	No	NYSE	4:00 PM	1
BYRN	BYRNA TECHNOLOGIES INC.	BYRN	No	NASDAQ	4:00 PM	1
BZUN	Baozun Inc.	BZUN	No	NASDAQ	4:00 PM	1
CALM	Cal-Maine Foods, Inc.	CALM	No	NASDAQ	4:00 PM	2
CALX	Calix, Inc.	CALX	No	NYSE	4:00 PM	2
CARG	CarGurus, Inc.	CARG	No	NASDAQ	4:00 PM	2
CBL	CBL & ASSOCIATES PROPERTIES, INC.	CBL	No	NYSE	4:00 PM	2
CCLD	CareCloud, Inc.	CCLD	No	NASDAQ	4:00 PM	2
CCO	Clear Channel Outdoor HLD Inc CL. A	CCO	No	NYSE	4:00 PM	2
CDMO	Avid Bioservices, Inc.	CDMO	No	NASDAQ	4:00 PM	2



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CE	CELANESE CORPORATION	CE	No	NYSE	4:00 PM	2
CFR	CULLEN/FROST BANKERS INC.	CFR	No	NYSE	4:00 PM	2
CGEM	CULLINAN ONCOLOGY, INC.	CGEM	No	NASDAQ	4:00 PM	2
CGEN	Compugen Ltd.	CGEN	No	NASDAQ	4:00 PM	2
CGNT	COGYTE SOFTWARE LTD	CGNT	No	NASDAQ	4:00 PM	2
CGNX	COGNEX CORPORATION	CGNX	No	NASDAQ	4:00 PM	2
CHD	CHURCH & DWIGHT CO.	CHD	No	NYSE	4:00 PM	2
CHDN	Churchill Downs, Inc.	CHDN	No	NASDAQ	4:00 PM	2
CHKP	CHECK POINT SOFTWARE TECHNOLOGIES LTD.	CHKP	No	NASDAQ	4:00 PM	2
CHRD	Chord Energy Corporation	CHRD	No	NASDAQ	4:00 PM	2
CHRS	Coherus BioSciences, Inc.	CHRS	No	NASDAQ	4:00 PM	2
CHX	ChampionX Corporation	CHX	No	NASDAQ	4:00 PM	2
CIBR	First Trust NASDAQ Cybersecurity ETF	CIBR	No	NASDAQ	4:00 PM	2
CINF	Cincinnati Financial Corp.	CINF	No	NASDAQ	4:00 PM	2
CKPT	CHECKPOINT THERAPEUTICS, INC.	CKPT	No	NASDAQ	4:00 PM	2
CLFD	Clearfield, Inc.	CLFD	No	NASDAQ	4:00 PM	2
CLH	CLEAN HARBORS INC	CLH	No	NYSE	4:00 PM	2
CLRB	CELLECTAR BIOSCIENCES, INC.	CLRB	No	NASDAQ	4:00 PM	2
CMC	COMMERCIAL METALS COMPANY	CMC	No	NYSE	4:00 PM	2



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Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
CNDT	Conduent Incorporated	CNDT	No	NASDAQ	4:00 PM	2
CNXC	CONCENTRIX CORPORATION	CNXC	No	NASDAQ	4:00 PM	2
COCO	VITA COCO COMPANY, INC.	COCO	No	NASDAQ	4:00 PM	2
COGT	COGENT BIOSCIENCES, INC.	COGT	No	NASDAQ	4:00 PM	2
COLB	Columbia Banking System, Inc.	COLB	No	NASDAQ	4:00 PM	2
COLD	Americold Realty Trust	COLD	No	NYSE	4:00 PM	2
COOP	Mr. Cooper Group Inc.	COOP	No	NASDAQ	4:00 PM	2
CPAY	Corpay, Inc.	CPAY	No	NYSE	4:00 PM	2
CPRX	CATALYST PHARMACEUTICAL PARTNES INC.	CPRX	No	NASDAQ	4:00 PM	2
CRBU	CARIBOU BIOSCIENCES, INC.	CRBU	No	NASDAQ	4:00 PM	2
CRCT	CRICUT, INC.	CRCT	No	NASDAQ	4:00 PM	2
CRDF	Cardiff Oncology, Inc.	CRDF	No	NASDAQ	4:00 PM	2
CRNT	Ceragon Networks Ltd.	CRNT	No	NASDAQ	4:00 PM	2
CRSR	CORSAIR GAMING, INC.	CRSR	No	NASDAQ	4:00 PM	2
CSL	Carlisle Companies Incorporated	CSL	No	NYSE	4:00 PM	2
CSV	Carriage Services, Inc.	CSV	No	NYSE	4:00 PM	2
CTRN	Citi Trends, Inc.	CTRN	No	NASDAQ	4:00 PM	2
CURV	TORRID HOLDINGS INC.	CURV	No	NYSE	4:00 PM	2
CVGW	CALAVO GROWERS INC.	CVGW	No	NASDAQ	4:00 PM	2
CWK	Cushman Wakefield Plc	CWK	No	NYSE	4:00 PM	2
DAKT	DAKTRONICS INC.	DAKT	No	NASDAQ	4:00 PM	2





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DAVA	ENDAVA PLC	DAVA	No	NYSE	4:00 PM	2
DAWN	DAY ONE BIOPHARMACEUTICALS, INC.	DAWN	No	NASDAQ	4:00 PM	2
DBC	PoweShares DB Commodity Index Tracking Fund	DBC	No	NYSE Arca	4:15 PM	2
DCOM	Dime Community Bancshares, Inc.	DCOM	No	NASDAQ	4:00 PM	2
DCTH	DELCATH SYSTEM INC	DCTH	No	NASDAQ	4:00 PM	2
DEA	Easterly Government Properties, Inc.	DEA	No	NYSE	4:00 PM	2
DFEN	Direxion Daily Aerospace & Defense Bull 3X Shares	DFEN	No	NYSE Arca	4:00 PM	2
DFLI	DRAGONFLY ENERGY HOLDINGS CORP	DFLI	No	NASDAQ	4:00 PM	2
DIN	DineEquity, Inc.	DIN	No	NYSE	4:00 PM	2
DK	Delek US Holdings, Inc.	DK	No	NYSE	4:00 PM	2
DMRC	Digimarc Corporation	DMRC	No	NASDAQ	4:00 PM	2
DOLE	DOLE PLS	DOLE	No	NYSE	4:00 PM	2
DOUG	DOUGLAS ELLIMAN INC.	DOUG	No	NYSE	4:00 PM	2
DRD	DRDGOLD Ltd.	DRD	No	NYSE	4:00 PM	2
DRS	Leonardo DRS, Inc.	DRS	No	NASDAQ	4:00 PM	2
DRVN	DRIVEN BRANDS HOLDINGS INC	DRVN	No	NASDAQ	4:00 PM	2
DTE	DTE Energy Company	DTE	No	NYSE	4:00 PM	2
DVAX	DYNAVAX TECHNOLOGIES CORPORATION	DVAX	No	NASDAQ	4:00 PM	2
DX	Dynex Capital, Inc.	DX	No	NYSE	4:00 PM	2
DXD	ProShares UltraShort Dow30	DXD	No	NYSE Arca	4:00 PM	2
DY	DYCOM INDUSTRIES INC.	DY	No	NYSE	4:00 PM	2



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DYN	DYNE THERAPEUTICS INC	DYN	No	NASDAQ	4:00 PM	2
EETH	PROSHARES ETHER STRATEGY ETF	EETH	No	NYSE Arca	4:00 PM	2
EFC	Ellington Financial LLC	EFC	No	NYSE	4:00 PM	2
EG	Everest Group, Ltd.	EG	No	NYSE	4:00 PM	2
EME	EMCOR GROUP INC	EME	No	NYSE	4:00 PM	2
EMX	EMX ROYALTY CORP	EMX	No	AMEX	4:00 PM	2
ENLC	EnLink Midstream, LLC	ENLC	No	NYSE	4:00 PM	2
ENS	Enersys	ENS	No	NYSE	4:00 PM	2
ENV	Envestnet, Inc.	ENV	No	NYSE	4:00 PM	2
EOLS	Evolus, Inc.	EOLS	No	NASDAQ	4:00 PM	2
EPR	EPR Properties	EPR	No	NYSE	4:00 PM	2
EQH	AXA Equitable Holdings, Inc.	EQH	No	NYSE	4:00 PM	2
ES	Eversource Energy	ES	No	NYSE	4:00 PM	2
ETHU	2X ETHER ETF	ETHU	No	CBOE BZX	4:00 PM	2
ETNB	89BIO INC	ETNB	No	NASDAQ	4:00 PM	2
ETR	ENTERGY CORPORATION	ETR	No	NYSE	4:00 PM	2
EVER	EverQuote Inc.	EVER	No	NASDAQ	4:00 PM	2
EVRG	Evergy, Inc.	EVRG	No	NASDAQ	4:00 PM	2
EXAI	EXSCIENTIA PLC SPONSORED ADR	EXAI	No	NASDAQ	4:00 PM	2
EXFY	EXPENSIFY, INC.	EXFY	No	NASDAQ	4:00 PM	2
EXP	EAGLE MATERIALS INC.	EXP	No	NYSE	4:00 PM	2



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EXR	Extra Space Storage Inc.	EXR	No	NYSE	4:00 PM	2
EZU	iShares MSCI Eurozone	EZU	No	CBOE BZX	4:00 PM	2
FDS	FACTSET RESEARCH SYSTEMS	FDS	No	NYSE	4:00 PM	2
FF	FutureFuel Corp.	FF	No	NYSE	4:00 PM	2
FFIV	F5 NETWORKS, INC.	FFIV	No	NASDAQ	4:00 PM	2
FFWM	FIRST FOUNDATION, INC.	FFWM	No	NYSE	4:00 PM	2
FICO	FAIR ISAAC CORPORATION	FICO	No	NYSE	4:00 PM	2
FIP	FTAI INFRASTRUCTURE INC.	FIP	No	NASDAQ	4:00 PM	2
FIX	Comfort Systems USA Inc.	FIX	No	NYSE	4:00 PM	2
FIZZ	National Beverage Corp	FIZZ	No	NASDAQ	4:00 PM	2
FLS	Flowserve Corp.	FLS	No	NYSE	4:00 PM	2
FLUX	FLUX POWER HOLDINGS, INC	FLUX	No	NASDAQ	4:00 PM	2
FMX	Fomento Economico Mexicano, S.A.B. de C.V.	FMX	No	NYSE	4:00 PM	2
FN	Fabrinet	FN	No	NYSE	4:00 PM	2
FNF	FIDELITY NATIONAL FINANCIAL	FNF	No	NYSE	4:00 PM	2
FNKO	Funko, Inc.	FNKO	No	NASDAQ	4:00 PM	2
FOLD	Amicus Therapeutics, Inc.	FOLD	No	NASDAQ	4:00 PM	2
FOXF	Fox Factory Holding Corp.	FOXF	No	NASDAQ	4:00 PM	2
FPI	Farmland Partners Inc.	FPI	No	NYSE	4:00 PM	2
FRHC	FREEDOM HOLDING CORP.	FRHC	No	NASDAQ	4:00 PM	2



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FTS	Fortis Inc.	FTS	No	NYSE	4:00 PM	2
FTV	Fortive Corporation	FTV	No	NYSE	4:00 PM	2
FUN	Six Flags Entertainment Corporation	FUN	No	NYSE	4:00 PM	2
FWONK	Liberty Media Corporation Series C Liberty Formula One	FWONK	No	NASDAQ	4:00 PM	2
FXC	CurrencyShares Canadian Dollar Trust	FXC	No	NYSE Arca	4:00 PM	2
GALT	GALECTIN THERAPEUTICS, INC.	GALT	No	NASDAQ	4:00 PM	3
GASS	StealthGas Inc.	GASS	No	NASDAQ	4:00 PM	3
GAU	Galiano Gold Inc.	GAU	No	AMEX	4:00 PM	3
GEVO	GEVO, INC.	GEVO	No	NASDAQ	4:00 PM	3
GFL	GFL Environmental Inc.	GFL	No	NYSE	4:00 PM	3
GGB	GERDAU S.A.	GGB	No	NYSE	4:00 PM	3
GIII	G-III Apparel Group Ltd.	GIII	No	NASDAQ	4:00 PM	3
GIL	Gildan Activewear Inc.	GIL	No	NYSE	4:00 PM	3
GKOS	Glaukos Corporation	GKOS	No	NYSE	4:00 PM	3
GLDD	Great Lakes Dredge & Dock	GLDD	No	NASDAQ	4:00 PM	3
GLPI	Gaming and Leisure Properties Inc.	GLPI	No	NASDAQ	4:00 PM	3
GMED	GLOBUS MEDICAL, INC.	GMED	No	NYSE	4:00 PM	3
GNK	GENCO SHIPPING & TRADING LTD	GNK	No	NYSE	4:00 PM	3
GNL	Global Net Lease, Inc.	GNL	No	NYSE	4:00 PM	3
GNTX	GENTEX CORP.	GNTX	No	NASDAQ	4:00 PM	3
GO	Grocery Outlet Holding Corp	GO	No	NASDAQ	4:00 PM	3



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GPMT	Granite Point Mortgage Trust Inc.	GPMT	No	NYSE	4:00 PM	3
GRAL	GRAIL INC	GRAL	No	NASDAQ	4:00 PM	3
GRBK	Green Brick Partners, Inc.	GRBK	No	NYSE	4:00 PM	3
GROY	GOLD ROYALTY CORP.	GROY	No	AMEX	4:00 PM	3
GRTS	GRITSTONE ONCOLOGY INC	GRTS	No	NASDAQ	4:00 PM	3
GSBD	GOLDMAN SACHS BDC, INC	GSBD	No	NYSE	4:00 PM	3
GTE	Gran Tierra Energy Inc.	GTE	No	AMEX	4:00 PM	3
GTLS	Chart Industries Inc.	GTLS	No	NYSE	4:00 PM	3
HAE	Haemonetics Corporation	HAE	No	NYSE	4:00 PM	3
HDV	iShares High Dividend Equity Fund	HDV	No	NYSE Arca	4:00 PM	3
HEI	HEICO Corporation	HEI	No	NYSE	4:00 PM	3
HESM	Hess Midstream LP	HESM	No	NYSE	4:00 PM	3
HHH	Howard Hughes Holdings Inc.	HHH	No	NYSE	4:00 PM	3
HII	Huntington Ingalls Industries, Inc.	HII	No	NYSE	4:00 PM	3
HITI	HIGH TIDE, INC.	HITI	No	NASDAQ	4:00 PM	3
HIW	HIGHWOODS PROPERTIES, INC.	HIW	No	NYSE	4:00 PM	3
HLIT	Harmonic Inc.	HLIT	No	NASDAQ	4:00 PM	3
HLX	HELIX ENERGY SOLUTIONS GROUP INC	HLX	No	NYSE	4:00 PM	3
HOOK	HOOKIPA PHARMA, INC.	HOOK	No	NASDAQ	4:00 PM	3
HOUS	Anywhere Real Estate Inc.	HOUS	No	NYSE	4:00 PM	3



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HQY	HealthEquity, Inc.	HQY	No	NASDAQ	4:00 PM	3
HRTG	Heritage Insurance Holdings, Inc.	HRTG	No	NYSE	4:00 PM	3
HSAI	HESAI GROUP	HSAI	No	NASDAQ	4:00 PM	3
HSIC	Henry Schein, Inc.	HSIC	No	NASDAQ	4:00 PM	3
HUBB	Hubbell Incorporated	HUBB	No	NYSE	4:00 PM	3
HUBG	Hub Group, Inc.	HUBG	No	NASDAQ	4:00 PM	3
HUYA	HUYA Inc.	HUYA	No	NYSE	4:00 PM	3
HZO	MARINEMAX , INC.	HZO	No	NYSE	4:00 PM	3
IAS	INTEGRAL AD SCIENCE HOLDING CORP	IAS	No	NASDAQ	4:00 PM	3
IAT	iShares US Regional Banks	IAT	No	NYSE Arca	4:00 PM	3
IBP	Installed Building Products, Inc.	IBP	No	NYSE	4:00 PM	3
ICLR	ICON Public Limited Company	ICLR	No	NASDAQ	4:00 PM	3
IDCC	INTERDIGITAL, INC.	IDCC	No	NASDAQ	4:00 PM	3
IDXX	IDEXX Laboratories, Inc.	IDXX	No	NASDAQ	4:00 PM	3
IEFA	iShares Core MSCI EAFE ETF	IEFA	No	CBOE BZX	4:00 PM	3
IHRT	iHeartMedia Inc.	IHRT	No	NASDAQ	4:00 PM	3
IIIV	I3 VERTICALS INC	IIIV	No	NASDAQ	4:00 PM	3
IMCR	IMMUNOCORE HOLDINGS PLC	IMCR	No	NASDAQ	4:00 PM	3
IMNM	IMMUNOME, INC	IMNM	No	NASDAQ	4:00 PM	3
IMTX	IMMATICS N.V.	IMTX	No	NASDAQ	4:00 PM	3
INDV	INDIVIOR PLC	INDV	No	NASDAQ	4:00 PM	3



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
INGN	Inogen, Inc.	INGN	No	NASDAQ	4:00 PM	3
INMB	IMMUNE BIO INC	INMB	No	NASDAQ	4:00 PM	3
INSE	INSPIRED ENTERTAINMENT, INC.	INSE	No	NASDAQ	4:00 PM	3
INST	INSTRUCTURE HOLDINGS, INC.	INST	No	NYSE	4:00 PM	3
INSW	International Seaways, Inc.	INSW	No	NYSE	4:00 PM	3
IPI	Intrepid Potash, Inc.	IPI	No	NYSE	4:00 PM	3
IRTC	iRhythm Technologies, Inc.	IRTC	No	NASDAQ	4:00 PM	3
IT	Gartner, Inc.	IT	No	NYSE	4:00 PM	3
ITA	iShares US Aerospace and Defense ETF	ITA	No	CBOE BZX	4:00 PM	3
IWD	ISHARES RUSSELL 1000 VALUE ETF	IWD	No	NYSE Arca	4:00 PM	3
IWF	iShares Russell 1000 Growth ETF	IWF	No	NYSE Arca	4:00 PM	3
IWO	ISHRS RUSSELL 2000 GROWTH INDX	IWO	No	NYSE Arca	4:15 PM	3
JAMF	Jamf Holding Corp	JAMF	No	NASDAQ	4:00 PM	3
JELD	JELD-WEN Holding, Inc.	JELD	No	NYSE	4:00 PM	3
JOE	ST. JOE CORPORATION	JOE	No	NYSE	4:00 PM	3
KC	Kingsoft Cloud Holdings Limited	KC	No	NASDAQ	4:00 PM	3
KIM	KIMCO REALTY CORP.	KIM	No	NYSE	4:00 PM	3
KIND	Nextdoor Holdings, Inc.	KIND	No	NYSE	4:00 PM	3
KIRK	Kirkland's Inc.	KIRK	No	NASDAQ	4:00 PM	3
KLIC	KULICKE AND SOFFA IND INC	KLIC	No	NASDAQ	4:00 PM	3
KLXE	KLX ENERGY SERVICES HOLDINGS, INC.	KLXE	No	NASDAQ	4:00 PM	3



## MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
KNDI	Kandi Technologies Corporation	KNDI	No	NASDAQ	4:00 PM	3
KNSL	Kinsale Capital Group Inc.	KNSL	No	NYSE	4:00 PM	3
KNTK	KINETIK HOLDINGS INC.	KNTK	No	NYSE	4:00 PM	3
KRP	KIMBELL ROYALTY PARTNERS LP	KRP	No	NYSE	4:00 PM	3
KRYS	KRYSTAL BIOTECH, INC.	KRYS	No	NASDAQ	4:00 PM	3
KZIA	KAZIA THERAPEUTICS LTD	KZIA	No	NASDAQ	4:00 PM	3
LAD	Lithia Motors Inc.	LAD	No	NYSE	4:00 PM	3
LAMR	LAMAR ADVERTISING COMPANY	LAMR	No	NASDAQ	4:00 PM	3
LBRT	Liberty Oilfield Services Inc.	LBRT	No	NYSE	4:00 PM	3
LCII	LCI Industries (LCII)	LCII	No	NYSE	4:00 PM	3
LDI	LOANDEPOT, INC.	LDI	No	NYSE	4:00 PM	3
LEA	Lear Corporation	LEA	No	NYSE	4:00 PM	3
LEV	Lion Electric Company	LEV	No	NYSE	4:00 PM	3
LGIH	LGI Homes, Inc.	LGIH	No	NASDAQ	4:00 PM	3
LH	LABORATORY CORP OF AMER HLDG	LH	No	NYSE	4:00 PM	3
LIVN	LivaNova PLC	LIVN	No	NASDAQ	4:00 PM	3
LNW	Light & Wonder, Inc.	LNW	No	NASDAQ	4:00 PM	3
LOCO	EL POLLO LOCO HOLDINGS, INC.	LOCO	No	NASDAQ	4:00 PM	3
LOPE	Grand Canyon Education, Inc.	LOPE	No	NASDAQ	4:00 PM	3
LRMR	LARIMAR THERAPEUTICS, INC.	LRMR	No	NASDAQ	4:00 PM	3
LTBR	LIGHTBRIDGE CORP	LTBR	No	NASDAQ	4:00 PM	3





# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
LUNA	LUNA INNOVATIONS INC	LUNA	No	NASDAQ	4:00 PM	3
LVO	LiveOne, Inc.	LVO	No	NASDAQ	4:00 PM	3
LWLG	LIGHTWAVE LOGIC, INC.	LWLG	No	NASDAQ	4:00 PM	3
LYRA	LYRA THERAPEUTICS, INC.	LYRA	No	NASDAQ	4:00 PM	3
MAIN	Main Street Capital Corporation	MAIN	No	NYSE	4:00 PM	4
MAMA	MAMAS CREATIONS, INC.	MAMA	No	NASDAQ	4:00 PM	4
MANH	MANHATTAN ASSOCIATES INC.	MANH	No	NASDAQ	4:00 PM	4
MAPS	WM Technology, Inc.	MAPS	No	NASDAQ	4:00 PM	4
MASI	Masimo Corporation	MASI	No	NASDAQ	4:00 PM	4
MCO	MOODY'S CORPORATION	MCO	No	NYSE	4:00 PM	4
MDXG	MIMEDX GROUP, INC.	MDXG	No	NASDAQ	4:00 PM	4
MEDP	Medpace Holdings, Inc.	MEDP	No	NASDAQ	4:00 PM	4
MEI	METHODE ELECTRONICS, INC.	MEI	No	NYSE	4:00 PM	4
MESA	Mesa Air Group Inc.	MESA	No	NASDAQ	4:00 PM	4
MFA	MFA Financial Inc.	MFA	No	NYSE	4:00 PM	4
MFIC	MidCap Financial Investment Corporation	MFIC	No	NASDAQ	4:00 PM	4
MGK	Vanguard Mega Cap 300 Growth ETF	MGK	No	NYSE Arca	4:00 PM	4
MGY	Magnolia Oil & Gas Corporation	MGY	No	NYSE	4:00 PM	4
MITK	Mitek Systems, Inc.	MITK	No	NASDAQ	4:00 PM	4
MITT	AG Mortgage Investment Trust, Inc.	MITT	No	NYSE	4:00 PM	4



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
MKTX	MarketAxess Holdings Inc.	MKTX	No	NASDAQ	4:00 PM	4
MLI	Mueller Industries Inc.	MLI	No	NYSE	4:00 PM	4
MLM	MARTIN MARIETTA MATERIALS INC	MLM	No	NYSE	4:00 PM	4
MMLP	MARTIN MIDSTREAM PARTNERS LP	MMLP	No	NASDAQ	4:00 PM	4
MNRO	Monro, Inc.	MNRO	No	NASDAQ	4:00 PM	4
MNSO	MINISO GROUP HOLDING LTD.	MNSO	No	NYSE	4:00 PM	4
MRSN	Mersana Therapeutics, Inc.	MRSN	No	NASDAQ	4:00 PM	4
MSGE	Madison Square Garden Entertainment Corp	MSGE	No	NYSE	4:00 PM	4
MSI	MOTOROLA INC	MSI	No	NYSE	4:00 PM	4
MTA	METALLA ROYALTY & STREAMING LTD.	MTA	No	AMEX	4:00 PM	4
MTSI	MACOM Technology Solutions Holdings, Inc.	MTSI	No	NASDAQ	4:00 PM	4
MUR	MURPHY OIL CORPORATION	MUR	No	NYSE	4:00 PM	4
MUSA	Murphy USA Inc.	MUSA	No	NYSE	4:00 PM	4
MYGN	MYRIAD GENETICS INC	MYGN	No	NASDAQ	4:00 PM	4
NANC	UNUSUAL WHALES SUBVERSIVE DEMOCRATIC TRADING ETF	NANC	No	CBOE BZX	4:00 PM	4
NARI	Inari Medical, Inc.	NARI	No	NASDAQ	4:00 PM	4
NAVI	NAVIENT CORPORATION	NAVI	No	NASDAQ	4:00 PM	4
NCMI	National Cinenedia Inc.	NCMI	No	NASDAQ	4:00 PM	4
NEON	NEONODE INC.	NEON	No	NASDAQ	4:00 PM	4
NFG	National Fuel Gas Company	NFG	No	NYSE	4:00 PM	4



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
NFGC	NEW FOUND GOLD	NFGC	No	AMEX	4:00 PM	4
NGL	NGL ENERGY PARTNERS L.P.	NGL	No	NYSE	4:00 PM	4
NKTR	NEKTAR THERAPEUTICS	NKTR	No	NASDAQ	4:00 PM	4
NNN	National Retail Properties, Inc.	NNN	No	NYSE	4:00 PM	4
NNVC	NanoViricides, Inc.	NNVC	No	AMEX	4:00 PM	4
NOAH	Noah Holdings, Ltd.	NOAH	No	NYSE	4:00 PM	4
NOTV	INOTIV, INC.	NOTV	No	NASDAQ	4:00 PM	4
NRDY	Nerdy Inc.	NRDY	No	NYSE	4:00 PM	4
NSSC	Napco Security Technologies, Inc.	NSSC	No	NASDAQ	4:00 PM	4
NVDQ	T-REX 2X INVERSE NVIDIA DAILY TARGET	NVDQ	No	CBOE BZX	4:00 PM	4
NVEI	NUVEI CORPORATION	NVEI	No	NASDAQ	4:00 PM	4
NVGS	NAVIGATOR HOLDINGS LTD.	NVGS	No	NYSE	4:00 PM	4
NVST	Envista Holdings Corp	NVST	No	NYSE	4:00 PM	4
NWG	NatWest Group plc	NWG	No	NYSE	4:00 PM	4
NYT	NEW YORK TIMES COMPANY	NYT	No	NYSE	4:00 PM	4
OBE	OBSIDIAN ENERGY LTD	OBE	No	AMEX	4:00 PM	5
OC	OWENS CORNING INC.	OC	No	NYSE	4:00 PM	5
OGI	OrganiGram Holdings Inc.	OGI	No	NASDAQ	4:00 PM	5
OII	OCEANEERING INTERNATIONAL, INC	OII	No	NYSE	4:00 PM	5
OM	OUTSET MEDICAL, INC.	OM	No	NASDAQ	4:00 PM	5



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
ONB	Old National Bancorp	ONB	No	NASDAQ	4:00 PM	5
ONEW	ONEWATER MARINE INC	ONEW	No	NASDAQ	4:00 PM	5
OPCH	Option Care Health, Inc.	OPCH	No	NASDAQ	4:00 PM	5
OPI	(New) Office Properties Income Trust	OPI	No	NASDAQ	4:00 PM	5
OPRX	OptimizeRx Corporation	OPRX	No	NASDAQ	4:00 PM	5
ORC	Orchid Island Capital, Inc.	ORC	No	NYSE	4:00 PM	5
ORI	Old Republic International Corporation	ORI	No	NYSE	4:00 PM	5
OUT	OUTFRONT MEDIA INC.	OUT	No	NYSE	4:00 PM	5
PAG	Penske Automotive Group Inc.	PAG	No	NYSE	4:00 PM	5
PAY	PAYMENTUS HOLDINGS, INC	PAY	No	NYSE	4:00 PM	5
PAYS	PaySign, Inc.	PAYS	No	NASDAQ	4:00 PM	5
PBYI	PUMA BIOTECHNOLOGY, INC.	PBYI	No	NASDAQ	4:00 PM	5
PCVX	VAXCYTE, INC.	PCVX	No	NASDAQ	4:00 PM	5
PEN	Penumbra, Inc.	PEN	No	NYSE	4:00 PM	5
PETS	PETMED EXPRESS, INC.	PETS	No	NASDAQ	4:00 PM	5
PFG	PRINCIPAL FINANCIAL GROUP, INC.	PFG	No	NASDAQ	4:00 PM	5
PFSI	PennyMac Financial Services, Inc.	PFSI	No	NYSE	4:00 PM	5
PGEN	Precigen, Inc.	PGEN	No	NASDAQ	4:00 PM	5
PHIN	PHINIA INC.	PHIN	No	NYSE	4:00 PM	5
PHR	PHREESIA, INC.	PHR	No	NYSE	4:00 PM	5
PI	Impinj, Inc.	PI	No	NASDAQ	4:00 PM	5



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
PKG	PACKAGING CORP OF AMERICA	PKG	No	NYSE	4:00 PM	5
PLAB	Photronics Inc.	PLAB	No	NASDAQ	4:00 PM	5
PLBY	PLBY GROUP, INC.	PLBY	No	NASDAQ	4:00 PM	5
PLG	PLATINUM GROUP METALS LTD.	PLG	No	AMEX	4:00 PM	5
PNW	Pinnacle West Capital Corporation	PNW	No	NYSE	4:00 PM	5
POOL	Pool Corporation	POOL	No	NASDAQ	4:00 PM	5
POST	Post Holdings, Inc.	POST	No	NYSE	4:00 PM	5
POWL	POWELL INDUSTRIES, INC.	POWL	No	NASDAQ	4:00 PM	5
PRFT	Perficient, Inc.	PRFT	No	NASDAQ	4:00 PM	5
PRG	PROG Holdings, Inc.	PRG	No	NYSE	4:00 PM	5
PRGS	Progress Software Corporation	PRGS	No	NASDAQ	4:00 PM	5
PRME	PRIME MEDICINE, INC.	PRME	No	NASDAQ	4:00 PM	5
PROK	PROKIDNEY CORP.	PROK	No	NASDAQ	4:00 PM	5
PRTS	CarParts.com, Inc.	PRTS	No	NASDAQ	4:00 PM	5
PSQ	ProShares Short QQQ	PSQ	No	NYSE Arca	4:00 PM	5
PSQH	PSQ Holdings, Inc.	PSQH	No	NYSE	4:00 PM	5
PTC	PTC Inc.	PTC	No	NASDAQ	4:00 PM	5
PTCT	PTC Therapeutics, Inc.	PTCT	No	NASDAQ	4:00 PM	5
PWP	Perella Weinberg Partners	PWP	No	NASDAQ	4:00 PM	5
PX	P10, INC.	PX	No	NYSE	4:00 PM	5



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
PYCR	PAYCOR HCM, INC.	PYCR	No	NASDAQ	4:00 PM	5
QLYS	QUALYS, INC.	QLYS	No	NASDAQ	4:00 PM	5
QNST	Quinstreet, Inc.	QNST	No	NASDAQ	4:00 PM	5
QQQE	Direxion NASDAQ-100 Equal Weighted Index Shares	QQQE	No	NASDAQ	4:00 PM	5
QUBT	QUANTUM COMPUTING INC.	QUBT	No	NASDAQ	4:00 PM	5
QUIK	QuickLogic Corporation	QUIK	No	NASDAQ	4:00 PM	5
RAMP	LiveRamp Holdings, Inc.	RAMP	No	NYSE	4:00 PM	5
RANI	RANI THERAPEUTICS HOLDINGS, INC.	RANI	No	NASDAQ	4:00 PM	5
RAPT	RAPT THERAPEUTICS, INC.	RAPT	No	NASDAQ	4:00 PM	5
RARE	Ultragenyx Pharmaceutical Inc.	RARE	No	NASDAQ	4:00 PM	5
RCAT	RED CAT HOLDINGS, INC.	RCAT	No	NASDAQ	4:00 PM	5
RCI	Rogers Communication, Inc.	RCI	No	NYSE	4:00 PM	5
RCKT	Rocket Pharmaceuticals, Inc.	RCKT	No	NASDAQ	4:00 PM	5
RDN	RADIAN GROUP INC.	RDN	No	NYSE	4:00 PM	5
RDUS	Schnitzer Steel Industries, Inc.	RDUS	No	NASDAQ	4:00 PM	5
REAX	REAL BROKERAGE INC.	REAX	No	NASDAQ	4:00 PM	5
RELY	REMITLY GLOBAL, INC	RELY	No	NASDAQ	4:00 PM	5
REM	ISHARES MORTGAGE REAL ESTATE ETF	REM	No	CBOE BZX	4:00 PM	5
REVG	REV Group, Inc.	REVG	No	NYSE	4:00 PM	5
REXR	Rexford Industrial Realty, Inc.	REXR	No	NYSE	4:00 PM	5



## MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
RGR	STURM, RUGER & COMPANY INC.	RGR	No	NYSE	4:00 PM	5
RLGT	Radiant Logistics, Inc.	RLGT	No	AMEX	4:00 PM	5
RLMD	RELMADA THERAPEUTICS INC	RLMD	No	NASDAQ	4:00 PM	5
RMBL	RUMBLEON, INC.	RMBL	No	NASDAQ	4:00 PM	5
RPRX	ROYALTY PHARMA PLC	RPRX	No	NASDAQ	4:00 PM	5
RRGB	Red Robin Gourmet Burgers, Inc.	RRGB	No	NASDAQ	4:00 PM	5
RRX	Regal Rexnord Corporation	RRX	No	NYSE	4:00 PM	5
RVTY	Revvity, Inc.	RVTY	No	NYSE	4:00 PM	5
RXO	RXO, INC.	RXO	No	NYSE	4:00 PM	5
RXST	RXSIGHT, INC.	RXST	No	NASDAQ	4:00 PM	5
RXT	RACKSPACE TECHNOLOGY, INC.	RXT	No	NASDAQ	4:00 PM	5
RYN	Rayonier Inc.	RYN	No	NYSE	4:00 PM	5
RYTM	Rhythm Pharmaceuticals, Inc.	RYTM	No	NASDAQ	4:00 PM	5
SAFE	Safehold Inc.	SAFE	No	NYSE	4:00 PM	5
SAN	BANCO SANTANDER, S.A.	SAN	No	NYSE	4:00 PM	5
SBAC	SBA COMMUNICATION CORP	SBAC	No	NASDAQ	4:00 PM	5
SBGI	SINCLAIR BROADCASTING GRP	SBGI	No	NASDAQ	4:00 PM	5
SBRA	Sabra Health Care REIT, Inc.	SBRA	No	NASDAQ	4:00 PM	5
SCHG	Schwab U.S. Large-Cap Growth ETF	SCHG	No	NYSE Arca	4:00 PM	5
SCI	SERVICE CORPORATION INTERNATIONAL	SCI	No	NYSE	4:00 PM	5



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
SCS	STEELCASE, INC.	SCS	No	NYSE	4:00 PM	5
SDIG	STRONGHOLD DIGITAL MINING	SDIG	No	NASDAQ	4:00 PM	5
SDRL	SEADRILL LIMITED	SDRL	No	NYSE	4:00 PM	5
SENS	Senseonics Holdings Inc.	SENS	No	AMEX	4:00 PM	5
SFL	SHIP FINANCE INTERNATIONAL LIMITED	SFL	No	NYSE	4:00 PM	5
SGRY	Surgery Partners Inc.	SGRY	No	NASDAQ	4:00 PM	5
SHIP	SEANERGY MARITIME HOLDINGS CORP	SHIP	No	NASDAQ	4:00 PM	5
SHOT	SAFETY SHOT, INC.	SHOT	No	NASDAQ	4:00 PM	5
SIVR	ETFS Physical Silver	SIVR	No	NYSE Arca	4:00 PM	5
SKE	SKEENA RESOURCES LIMITED	SKE	No	NYSE	4:00 PM	5
SKLZ	Skillz Inc.	SKLZ	No	NYSE	4:00 PM	5
SKT	Tanger Factory Outlet Centers, Inc.	SKT	No	NYSE	4:00 PM	5
SKY	Skyline Champion Corporation	SKY	No	NYSE	4:00 PM	5
SLDP	Solid Power, Inc.	SLDP	No	NASDAQ	4:00 PM	5
SLNO	SOLENO THERAPEUTICS INC	SLNO	No	NASDAQ	4:00 PM	5
SMPL	Simply Good Foods Co	SMPL	No	NASDAQ	4:00 PM	5
SNA	SNAP-ON INCORPORATED	SNA	No	NYSE	4:00 PM	5
SNDX	Syndax Pharmaceuticals, Inc.	SNDX	No	NASDAQ	4:00 PM	5
SOHU	SOHU.COM INC.	SOHU	No	NASDAQ	4:00 PM	5
SOL	ReneSola Ltd	SOL	No	NYSE	4:00 PM	5





# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
SON	Sonoco Products Co.	SON	No	NYSE	4:00 PM	5
SOND	SONDER HOLDINGS INC.	SOND	No	NASDAQ	4:00 PM	5
SPB	Spectrum Brands Holdings Inc.	SPB	No	NYSE	4:00 PM	5
SPRY	ARS Pharmaceuticals, Inc.	SPRY	No	NASDAQ	4:00 PM	5
SPTL	SPDR PORTFOLIO LONG TERM TREASURY ETF	SPTL	No	NYSE Arca	4:00 PM	5
SPWH	Sportsman's Warehouse Holdings, Inc.	SPWH	No	NASDAQ	4:00 PM	5
SPYD	SPDR PORTFOLIO S&P 500 HIGH DIVIDEND	SPYD	No	NYSE Arca	4:00 PM	5
SPYV	SPDR PORTFOLIO S&P 500 VALUE ETF	SPYV	No	NYSE Arca	4:00 PM	5
SQSP	Squarespace, Inc.	SQSP	No	NYSE	4:00 PM	5
SRAD	SPORTRADAR GROUP	SRAD	No	NASDAQ	4:00 PM	5
SRCL	STERICYCLE, INC.	SRCL	No	NASDAQ	4:00 PM	5
SRTS	SENSUS HEALTHCARE, INC	SRTS	No	NASDAQ	4:00 PM	5
SRTY	ProShares UltraPro Short Russell2000	SRTY	No	NYSE Arca	4:00 PM	5
SSNC	SS&C Technologies Holdings, Inc.	SSNC	No	NASDAQ	4:00 PM	5
SSYS	STRATASYS INC.	SSYS	No	NASDAQ	4:00 PM	5
STRL	Sterling Construction Company Inc.	STRL	No	NASDAQ	4:00 PM	5
STXS	STEREOTAXIS, INC.	STXS	No	AMEX	4:00 PM	5
SUPV	GRUPO SUPERVIELLE SA	SUPV	No	NYSE	4:00 PM	5
SURG	SURGEPAYS INC	SURG	No	NASDAQ	4:00 PM	5
SYNA	SYNAPTICS, INC.	SYNA	No	NASDAQ	4:00 PM	5



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
TALO	Talos Energy Inc.	TALO	No	NYSE	4:00 PM	6
TARS	TARSUS PHARMACEUTICALS, INC.	TARS	No	NASDAQ	4:00 PM	6
TBBK	Bancorp Inc/DE	TBBK	No	NASDAQ	4:00 PM	6
TBLA	Taboola.com Ltd.	TBLA	No	NASDAQ	4:00 PM	6
TCX	TUCOWS, INC	TCX	No	NASDAQ	4:00 PM	6
TDG	TransDigm Group, Inc.	TDG	No	NYSE	4:00 PM	6
TECH	Bio-Techne Corporation	TECH	No	NASDAQ	4:00 PM	6
TEN	Tsakos Energy Navigation Limited	TEN	No	NYSE	4:00 PM	6
TEX	TEREX CORPORATION	TEX	No	NYSE	4:00 PM	6
TGLS	TECNOGLASS INC.	TGLS	No	NYSE	4:00 PM	6
TIP	iShares Barclays TIPS Bond Fund	TIP	No	NYSE Arca	4:00 PM	6
TITN	Titan Machinery, Inc.	TITN	No	NASDAQ	4:00 PM	6
TIXT	TELUS INTERNATIONAL CDA, INC.	TIXT	No	NYSE	4:00 PM	6
TNK	Teekay Tankers Ltd	TNK	No	NYSE	4:00 PM	6
TPG	TPG INC	TPG	No	NASDAQ	4:00 PM	6
TPIC	TPI Composites Inc.	TPIC	No	NASDAQ	4:00 PM	6
TPST	TEMPEST THERAPEUTICS INC	TPST	No	NASDAQ	4:00 PM	6
TREE	LendingTree, Inc.	TREE	No	NASDAQ	4:00 PM	6
TRMB	TRIMBLE NAVIGATION LIMITED	TRMB	No	NASDAQ	4:00 PM	6
TRN	TRINITY INDUSTRIES INC.	TRN	No	NYSE	4:00 PM	6



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
TROX	Tronox Ltd.	TROX	No	NYSE	4:00 PM	6
TS	TENARIS SA	TS	No	NYSE	4:00 PM	6
TSHA	TAYSHA GENE THERAPIES, INC.	TSHA	No	NASDAQ	4:00 PM	6
TSLZ	ETF OPPORTUNITIES TRUST T-REX 2X INVERSE	TSLZ	No	NASDAQ	4:00 PM	6
TTMI	TTM Technologies, Inc.	TTMI	No	NASDAQ	4:00 PM	6
TU	Telus Corporation	TU	No	NYSE	4:00 PM	6
TUR	ISHARES MSCI TURKEY	TUR	No	NASDAQ	4:00 PM	6
TWI	Titan International, Inc.	TWI	No	NYSE	4:00 PM	6
TX	Ternium S.A.	TX	No	NYSE	4:00 PM	6
TXG	10X Genomics Inc.	TXG	No	NASDAQ	4:00 PM	6
TXNM	TXNM Energy, Inc.	TXNM	No	NYSE	4:00 PM	6
UDMY	UDEMY, INC.	UDMY	No	NASDAQ	4:00 PM	6
UGL	ProShares Ultra Gold	UGL	No	NYSE Arca	4:00 PM	6
UONE	URBAN ONE INC	UONE	No	NASDAQ	4:00 PM	6
UPBD	Upbound Group, Inc.	UPBD	No	NASDAQ	4:00 PM	6
USAC	USA COMPRESSION PARTNERS, L.P.	USAC	No	NYSE	4:00 PM	6
USM	U.S. Cellular Corporation	USM	No	NYSE	4:00 PM	6
UTZ	Utz Brands, Inc.	UTZ	No	NYSE	4:00 PM	6
UWM	ProShares Ultra Russell2000	UWM	No	NYSE Arca	4:00 PM	6
VANI	Vivani Medical, Inc.	VANI	No	NASDAQ	4:00 PM	6



## MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
VECO	VEECO INSTRUMENTS	VECO	No	NASDAQ	4:00 PM	6
VERV	VERVE THERAPEUTICS INC	VERV	No	NASDAQ	4:00 PM	6
VERX	VERTEX, INC.	VERX	No	NASDAQ	4:00 PM	6
VFF	Village Farms International, Inc.	VFF	No	NASDAQ	4:00 PM	6
VGR	VECTOR GROUP LTD.	VGR	No	NYSE	4:00 PM	6
VICR	Vicor Corporation	VICR	No	NASDAQ	4:00 PM	6
VIG	Vanguard Dividend Appreciation ETF	VIG	No	NYSE Arca	4:00 PM	6
VIR	Vir Biotechnology, Inc.	VIR	No	NASDAQ	4:00 PM	6
VIXM	ProShares VIX Mid-Term Futures	VIXM	No	CBOE BZX	4:15 PM	6
VLTO	VERALTO CORP	VLTO	No	NYSE	4:00 PM	6
VMC	VULCAN MATERIALS COMPANY	VMC	No	NYSE	4:00 PM	6
VMEO	VIMEO, INC.	VMEO	No	NASDAQ	4:00 PM	6
VNET	21Vianet Group Inc.	VNET	No	NASDAQ	4:00 PM	6
VRAR	THE GLIMPSE GROUP INC	VRAR	No	NASDAQ	4:00 PM	6
VRDN	VIRIDIAN THERAPEUTICS, INC.	VRDN	No	NASDAQ	4:00 PM	6
VRN	Veren Inc.	VRN	No	NYSE	4:00 PM	6
VRNT	Verint Systems, Inc.	VRNT	No	NASDAQ	4:00 PM	6
VRSK	Verisk Analytics, Inc.	VRSK	No	NASDAQ	4:00 PM	6
VSTM	Verastem, Inc.	VSTM	No	NASDAQ	4:00 PM	6
VT	Vanguard Total World Stock ETF	VT	No	NYSE Arca	4:00 PM	6
VTSI	VIRTRA, INC.	VTSI	No	NASDAQ	4:00 PM	6



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VTWO	Vanguard Russell 2000 ETF	VTWO	No	NASDAQ	4:00 PM	6
VUG	Vanguard Growth ETF	VUG	No	NYSE Arca	4:00 PM	6
WAT	WATERS CORPORATION	WAT	No	NYSE	4:00 PM	6
WBS	WEBSTER FINANCIAL CORPORATION	WBS	No	NYSE	4:00 PM	6
WD	Walker & Dunlop, Inc.	WD	No	NYSE	4:00 PM	6
WEST	Westrock Coffee Company	WEST	No	NASDAQ	4:00 PM	6
WFRD	WEATHERFORD INTERNATIONAL PLC	WFRD	No	NASDAQ	4:00 PM	6
WGS	GeneDx Holdings Corporation	WGS	No	NASDAQ	4:00 PM	6
WIMI	WIMI HOLOGRAM CLOUD INC	WIMI	No	NASDAQ	4:00 PM	6
WKSP	WORKSPORT, LTD	WKSP	No	NASDAQ	4:00 PM	6
WOR	WORTHINGTON INDUSTRIES, INC.	WOR	No	NYSE	4:00 PM	6
WOW	WideOpenWest, Inc.	WOW	No	NYSE	4:00 PM	6
WT	WisdomTree, Inc.	WT	No	NYSE	4:00 PM	6
WTW	Willis Towers Watson Public Limited Company	WTW	No	NASDAQ	4:00 PM	6
WVE	WAVE Life Sciences Ltd	WVE	No	NASDAQ	4:00 PM	6
WWD	Woodward, Inc.	WWD	No	NASDAQ	4:00 PM	6
WYY	WIDEPOINT CORPORATION	WYY	No	AMEX	4:00 PM	6
XERS	Xeris Biopharma Holdings, Inc.	XERS	No	NASDAQ	4:00 PM	6
XLG	INVESCO S&P 500 TOP 50 ETF	XLG	No	NYSE Arca	4:00 PM	6
XMTR	XOMETRY INC.	XMTR	No	NASDAQ	4:00 PM	6
XPEL	XPEL, INC.	XPEL	No	NASDAQ	4:00 PM	6



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XRAY	DENTSPLY INTL, INC.	XRAY	No	NASDAQ	4:00 PM	6
YCL	ProShares Ultra Yen	YCL	No	NYSE Arca	4:00 PM	7
YCS	ProShares UltraShort Yen	YCS	No	NYSE Arca	4:00 PM	7
YOLO	ADVISORSHARES PURE CANNABIS ETF	YOLO	No	NYSE Arca	4:00 PM	7
ZSL	ProShares UltraShort Silver	ZSL	No	NYSE Arca	4:00 PM	7
ZUMZ	ZUMIEZ INC	ZUMZ	No	NASDAQ	4:00 PM	7

Please contact MIAX Sapphire Options Listings with any questions at [Listings@miaxglobal.com](mailto:Listings@miaxglobal.com) or (609) 897-7308.