



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, October 21, 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
AAT	American Assets Trust, Inc.	AAT	No	NYSE	4:00	1
AAXJ	iShares MSCI All Country Asia ex Japan ETF	AAXJ	No	NASDAQ	4:00	1
ABTS	Abits Group Inc	ABTS	No	NASDAQ	4:00	1
ACIW	ACI Worldwide Inc	ACIW	No	NASDAQ	4:00	1
ACR	ACRES Commercial Realty Corporation	ACR	No	NYSE	4:00	1
ACWX	iShares MSCI ACWI ex US ETF	ACWX	No	NASDAQ	4:00	1
AGR	Avangrid Inc	AGR	No	NYSE	4:00	1
AIRS	AIRSCULPT TECHNOLOGIES, INC.	AIRS	No	NASDAQ	4:00	1
ALG	Alamo Group, Inc.	ALG	No	NYSE	4:00	1
ANIK	Anika Therapeutics, Inc.	ANIK	No	NASDAQ	4:00	1
APYX	Apyx Medical Corporation	APYX	No	NASDAQ	4:00	1
AREN	ARENA GROUP HOLDINGS, INC.	AREN	No	AMEX	4:00	1
ARTY	iShares Future AI & Tech ETF	ARTY	No	NYSE Arca	4:00	1
ASHS	Xtrackers Harvest CSI 500 China A-ShrsSmallCap ETF	ASHS	No	NYSE Arca	4:00	1
ATAT	ATOUR LIFESTYLE HOLDINGS LTD.	ATAT	No	NASDAQ	4:00	1
ATR	Aptar Group Inc.	ATR	No	NYSE	4:00	1
AVDV	AVANTIS INTERNATIONAL SMALL CAP VALUE ETF	AVDV	No	NYSE Arca	4:00	1



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
AWAY	Amplify Travel Tech ETF	AWAY	No	NYSE Arca	4:00	1
AXDX	ACCELERATE DIAGNOSTICS, INC.	AXDX	No	NASDAQ	4:00	1
BBH	VanEck Biotech ETF	BBH	No	NASDAQ	4:00	1
BHLB	Berkshire Hills Bancorp, Inc	BHLB	No	NYSE	4:00	1
BIS	ProShares UltraShort Nasdaq Biotechnology	BIS	No	NASDAQ	4:00	1
BKF	iShares MSCI BIC ETF	BKF	No	NYSE Arca	4:00	1
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	BLCN	No	NASDAQ	4:00	1
BLKB	Blackbaud, Inc.	BLKB	No	NASDAQ	4:00	1
BNDD	KRANESHARES QUADRATIC DEFLATION ETF	BNDD	No	NYSE Arca	4:00	1
BRF	VanEck Brazil Small-Cap ETF	BRF	No	NYSE Arca	4:00	1
BSIG	BRIGHTSPHERE INVESTMENT GROUP INC	BSIG	No	NYSE	4:00	1
BZQ	ProShares UltraShort MSCI Brazil Capped	BZQ	No	NYSE Arca	4:00	1
CBAN	COLONY BANKCORP, INC.	CBAN	No	NASDAQ	4:00	2
CDP	COPT Defense Properties	CDP	No	NYSE	4:00	2
CFFN	Capitol Federal Financial	CFFN	No	NASDAQ	4:00	2
CGA	CHINA GREEN AGRICULTURE, INC.	CGA	No	NYSE	4:00	2
CHE	CHEMED CORPORATION	CHE	No	NYSE	4:00	2
CHIQ	Global X MSCI China Consumer Discretionary ETF	CHIQ	No	NYSE Arca	4:00	2
CIVB	Civista BancShares Inc	CIVB	No	NASDAQ	4:00	2
CLDT	Chatham Lodging Trust	CLDT	No	NYSE	4:00	2
CMBT	Euronav NV	CMBT	No	NYSE	4:00	2



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
CNO	CNO Financial Group, Inc	CNO	No	NYSE	4:00	2
CNYA	iShare MSCI China A ETF	CNYA	No	CBOE BZX	4:00	2
COLL	Collegium Pharmaceutical Inc.	COLL	No	NASDAQ	4:00	2
CON	Concentra Group Holdings Parent, Inc.	CON	No	NYSE	4:00	2
CPSS	Consumer Portfolio Services Inc	CPSS	No	NASDAQ	4:00	2
CRBP	CORBUS PHARMACEUTICALS HOLDINGS, INC.	CRBP	No	NASDAQ	4:00	2
CSBR	CHAMPIONS ONCOLOGY, INC.	CSBR	No	NASDAQ	4:00	2
CSGS	CSG SYSTEMS INTL INC	CSGS	No	NASDAQ	4:00	2
CSR	Centerspace	CSR	No	NYSE	4:00	2
CSTE	Caesarstone Ltd.	CSTE	No	NASDAQ	4:00	2
CTKB	CYTEK BIOSCIENCES, INC.	CTKB	No	NASDAQ	4:00	2
CTS	CTS Corporation	CTS	No	NYSE	4:00	2
CTSO	CytoSorbents Corp	CTSO	No	NASDAQ	4:00	2
CVEO	Civeo Corporation	CVEO	No	NYSE	4:00	2
CWB	SPDR Bloomberg Convertible Securities ETF	CWB	No	NYSE Arca	4:00	2
CXAI	CXAPP INC. CLASS A	CXAI	No	NASDAQ	4:00	2
CYD	CHINA YUCHAI INTERNATIONAL LIMITED	CYD	No	NYSE	4:00	2
DAVE	DAVE, INC. CLASS A	DAVE	No	NASDAQ	4:00	2
DEM	WisdomTree Emerging Markets High Dividend Fund	DEM	No	NYSE Arca	4:00	2
DFE	WisdomTree Europe SmallCap Dividend Fund	DFE	No	NYSE Arca	4:00	2
DFIN	Donnelley Financial Solutions, Inc	DFIN	No	NYSE	4:00	2



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
DGS	WisdomTree Emerging Markets SmallCap Dividend Fund	DGS	No	NYSE Arca	4:00	2
DHX	DHI Group, Inc.	DHX	No	NYSE	4:00	2
DJP	iPath Bloomberg Commodity Index Total Return(SM) ETN	DJP	No	NYSE Arca	4:00	2
DLHC	DLH HOLDINGS CORP.	DLHC	No	NASDAQ	4:00	2
DLPN	DOLPHIN ENTERTAINMENT INC	DLPN	No	NASDAQ	4:00	2
DXPE	DXP Enterprises	DXPE	No	NASDAQ	4:00	2
ECVT	Ecovyst Inc.	ECVT	No	NYSE	4:00	2
EEMV	iShares MSCI Emerging Markets Min Vol Factor ETF	EEMV	No	CBOE BZX	4:00	2
EEV	ProShares UltraShort MSCI Emerging Markets	EEV	No	NYSE Arca	4:00	2
EFAV	iShares MSCI EAFE Min Vol Factor ETF	EFAV	No	CBOE BZX	4:00	2
EFSC	Enterprise Financial Services Corp	EFSC	No	NASDAQ	4:00	2
ENFN	ENFUSION, INC.	ENFN	No	NYSE	4:00	2
ENSV	ENSERVCO CORPORATION	ENSV	No	AMEX	4:00	2
ENTA	Enanta Pharmaceuticals, Inc.	ENTA	No	NASDAQ	4:00	2
EPIX	ESSA PHARMA INC	EPIX	No	NASDAQ	4:00	2
EPSN	EPSILON ENERGY LTD.	EPSN	No	NASDAQ	4:00	2
EPV	ProShares UltraShort FTSE Europe	EPV	No	NYSE Arca	4:00	2
ESCA	Escalade Inc.	ESCA	No	NASDAQ	4:00	2
ESNT	Essent Group Ltd.	ESNT	No	NYSE	4:00	2
ETON	ETON PHARMACEUTICALS, INC	ETON	No	NASDAQ	4:00	2
EVTC	EVERTEC Inc.	EVTC	No	NYSE	4:00	2



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
EWM	iShares MSCI Malaysia ETF	EWM	No	NYSE Arca	4:00	2
FAN	FIRST TRUST GLOBAL WIND ENERGY ETF	FAN	No	NYSE Arca	4:00	2
FARO	FARO TECHNOLOGIES	FARO	No	NASDAQ	4:00	2
FBNC	First Bancorp	FBNC	No	NASDAQ	4:00	2
FCF	First Commonwealth Financial Corp	FCF	No	NYSE	4:00	2
FCNCA	FIRST CITIZENS BANCSHARES, INC.	FCNCA	No	NASDAQ	4:00	2
FCUV	Focus Universal Inc.	FCUV	No	NASDAQ	4:00	2
FENG	Phoenix New Media Ltd	FENG	No	NYSE	4:00	2
FGF	Fundamental Global Inc.	FGF	No	NASDAQ	4:00	2
FHTX	FOGHORN THERAPEUTICS, INC.	FHTX	No	NASDAQ	4:00	2
FM	iShares Frontier and Select EM ETF	FM	No	NYSE Arca	4:00	2
FMAT	Fidelity MSCI Materials Index ETF	FMAT	No	NYSE Arca	4:00	2
FPE	First Trust Preferred Securities and Income Fund	FPE	No	NYSE Arca	4:00	2
FR	First Industrial Realty Trust	FR	No	NYSE	4:00	2
FRSX	FORESIGHT AUTONOMOUS HOLDINGS LTD	FRSX	No	NASDAQ	4:00	2
FSTR	L.B. Foster Company	FSTR	No	NASDAQ	4:00	2
FTFT	FUTURE FINTECH GROUP INC.	FTFT	No	NASDAQ	4:00	2
FXH	First Trust Health Care AlphaDEX Fund	FXH	No	NYSE Arca	4:00	2
FXP	ProShares UltraShort FTSE China 50	FXP	No	NYSE Arca	4:00	2
GAMR	Amplify Video Game Tech ETF	GAMR	No	NYSE Arca	4:00	3
GAN	GAN LIMITED	GAN	No	NASDAQ	4:00	3



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
GBIO	GENERATION BIO CO.	GBIO	No	NASDAQ	4:00	3
GBTG	Global Business Travel Group, Inc.	GBTG	No	NYSE	4:00	3
GEOS	Geospace Technologies Corp	GEOS	No	NASDAQ	4:00	3
GMAB	GENMAB AS	GMAB	No	NASDAQ	4:00	3
GORO	Gold Resource Corporation	GORO	No	AMEX	4:00	3
GTIM	Good Times Restaurants Inc.	GTIM	No	NASDAQ	4:00	3
GXG	Global X MSCI Colombia ETF	GXG	No	NYSE Arca	4:00	3
HAYW	HAYWARD HOLDINGS INC	HAYW	No	NYSE	4:00	3
HBIO	Harvard Bioscience, Inc.	HBIO	No	NASDAQ	4:00	3
HCM	HUTCHMED Limited	HCM	No	NASDAQ	4:00	3
HDGE	AdvisorShares Ranger Equity Bear ETF	HDGE	No	NYSE Arca	4:00	3
HDRO	DEFIANCE NEXT GEN H2 ETF	HDRO	No	NYSE Arca	4:00	3
HEDJ	WisdomTree Europe Hedged Equity Fund	HEDJ	No	NYSE Arca	4:00	3
HERO	GLOBAL X VIDEO GAMES & ESPORTS ETF	HERO	No	NASDAQ	4:00	3
HGTY	HAGERTY INC	HGTY	No	NYSE	4:00	3
HI	Hillenbrand Inc	HI	No	NYSE	4:00	3
HONE	HARBORONE BANCORP INC	HONE	No	NASDAQ	4:00	3
HSII	HEIDRICK & STRUGGLES INTL	HSII	No	NASDAQ	4:00	3
HSTM	HealthStream Inc	HSTM	No	NASDAQ	4:00	3
HYMB	SPDR Nuveen Bloomberg High Yield Municipal Bond ET	HYMB	No	NYSE Arca	4:00	3
IAI	iShares U.S. Broker-Dealers & Sec. Exchanges ETF	IAI	No	NYSE Arca	4:00	3



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
IBCP	Independent Bank Corp/MI	IBCP	No	NASDAQ	4:00	3
IBTA	IBOTTA, INC. CLASS A	IBTA	No	NYSE	4:00	3
IDGT	iShares US Digital Infrastructure and Real Estate	IDGT	No	NYSE Arca	4:00	3
IDRV	ISHARES SELF-DRIVING EV AND TECH ETF	IDRV	No	NYSE Arca	4:00	3
IEV	iShares Europe ETF	IEV	No	NYSE Arca	4:00	3
IEX	IDEXCORP	IEX	No	NYSE	4:00	3
IMKTA	Ingles Markets, Inc	IMKTA	No	NASDAQ	4:00	3
INFL	HORIZON KINETICS INFLATION BENEFICIARIES ETF	INFL	No	NYSE Arca	4:00	3
INNV	INNOVAGE HOLDING CORP	INNV	No	NASDAQ	4:00	3
IPSC	CENTURY THERAPEUTICS, INC.	IPSC	No	NASDAQ	4:00	3
ITM	VanEck Intermediate Muni ETF	ITM	No	CBOE BZX	4:00	3
ITP	IT Tech Packaging, Inc.	ITP	No	AMEX	4:00	3
IWV	iShares Russell 3000 ETF	IWV	No	NYSE Arca	4:00	3
IYE	iShares U.S. Energy ETF	IYE	No	NYSE Arca	4:00	3
IYM	iShares U.S. Basic Materials ETF	IYM	No	NYSE Arca	4:00	3
IYZ	iShares U.S. Telecommunications ETF	IYZ	No	CBOE BZX	4:00	3
JHG	Janus Henderson Group Plc	JHG	No	NYSE	4:00	3
KBA	KraneShares Boserer MSCI China A 50 Connect Index ETF	KBA	No	NYSE Arca	4:00	3
KELYA	Kelly Services Inc	KELYA	No	NASDAQ	4:00	3
KEP	KOREA ELECTRIC POWER CORP	KEP	No	NYSE	4:00	3
KFRC	Kforce Inc	KFRC	No	NYSE	4:00	3



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
KINS	KINGSTONE COMPANIES INCORPORATED	KINS	No	NASDAQ	4:00	3
KLTR	KALTURA, INC.	KLTR	No	NASDAQ	4:00	3
KMDA	KAMADA LTD	KMDA	No	NASDAQ	4:00	3
KOP	Koppers Holdings, Inc.	KOP	No	NYSE	4:00	3
KRG	Kite Realty Group Trust	KRG	No	NYSE	4:00	3
KRMD	KORU Medical Systems, Inc.	KRMD	No	NASDAQ	4:00	3
KRNY	Kearny Financial Corporation	KRNY	No	NASDAQ	4:00	3
LASR	NLIGHT INC	LASR	No	NASDAQ	4:00	3
LCUT	LIFETIME BRANDS, INC	LCUT	No	NASDAQ	4:00	3
LINE	LINEAGE, INC.	LINE	No	NASDAQ	4:00	3
LMAT	LeMaitre Vascular Inc.	LMAT	No	NASDAQ	4:00	3
LOOP	LOOP INDUSTRIES INC	LOOP	No	NASDAQ	4:00	3
LQDT	Liquidity Services Inc	LQDT	No	NASDAQ	4:00	3
LSAK	Lesaka Technologies, Inc.	LSAK	No	NASDAQ	4:00	3
LXP	LXP Industrial Trust	LXP	No	NYSE	4:00	3
MCRI	MONRACH CASINO & RESORT, INC	MCRI	No	NASDAQ	4:00	4
MDWD	MEDIWOUND LTD	MDWD	No	NASDAQ	4:00	4
MHLD	MAIDEN HOLDINGS LTDSHS	MHLD	No	NASDAQ	4:00	4
ML	MONEYLION INC CLASS A	ML	No	NYSE	4:00	4
MLNK	MERIDIANLINK, INC.	MLNK	No	NYSE	4:00	4
MMS	MAXIMUS, INC.	MMS	No	NYSE	4:00	4



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
MNOV	MediciNova, Inc.	MNOV	No	NASDAQ	4:00	4
MORN	MORNINGSSTAR INC	MORN	No	NASDAQ	4:00	4
MOV	Movado Group, Inc.	MOV	No	NYSE	4:00	4
MSTX	Tidal Trust II - Defiance Daily Target 1.75X Long MSTR ETF	MSTX	No	NASDAQ	4:00	4
MTUS	Metallus Inc.	MTUS	No	NYSE	4:00	4
MYO	MYOMO, INC.	MYO	No	AMEX	4:00	4
NERD	Roundhill Video Games ETF	NERD	No	NASDAQ	4:00	4
NEXA	NEXA RESOURCES S.A.	NEXA	No	NYSE	4:00	4
NGS	Natural Gas Services Group	NGS	No	NYSE	4:00	4
NGVC	Natural Grocers by Vitamin Cottage, Inc.	NGVC	No	NYSE	4:00	4
NHC	National Healthcare Corporation	NHC	No	AMEX	4:00	4
NHTC	Natural Health Trends Corp	NHTC	No	NASDAQ	4:00	4
NOVT	Novanta Inc.	NOVT	No	NASDAQ	4:00	4
NPO	Enpro Inc.	NPO	No	NYSE	4:00	4
NSPR	InspireMD, Inc.	NSPR	No	NASDAQ	4:00	4
NVEE	NV5 Global Inc.	NVEE	No	NASDAQ	4:00	4
NWPX	Northwest Pipe Company	NWPX	No	NASDAQ	4:00	4
NX	Quanex Building Products Corp	NX	No	NYSE	4:00	4
NXTC	NEXTCURE, INC.	NXTC	No	NASDAQ	4:00	4
OCFT	ONECONNECT FINANCIAL TECHNOLOGY CO LTD	OCFT	No	NYSE	4:00	5
OGIG	ALPS O'Shares Global Internet Giants ETF	OGIG	No	CBOE BZX	4:00	5



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
ONEQ	FIDELITY NASDAQ COMPOSITE INDEX ETF	ONEQ	No	NASDAQ	4:00	5
ONLN	PROSHARES ONLINE RETAIL ETF	ONLN	No	NYSE Arca	4:00	5
ORIC	ORIC PHARMACEUTICALS INC	ORIC	No	NASDAQ	4:00	5
ORRF	ORRSTOWN FINANCIAL SERVICES, INC.	ORRF	No	NASDAQ	4:00	5
OZEM	ROUNDHILL GLP-1 & WEIGHT LOSS ETF	OZEM	No	NASDAQ	4:00	5
PASG	Passage Bio, Inc.	PASG	No	NASDAQ	4:00	5
PAVM	PAVMED INC	PAVM	No	NASDAQ	4:00	5
PDFS	PDF Solutions Inc	PDFS	No	NASDAQ	4:00	5
PEJ	Invesco Leisure and Entertainment ETF	PEJ	No	NYSE Arca	4:00	5
PFFD	GLOBAL X U.S. PREFERRED ETF	PFFD	No	NYSE Arca	4:00	5
PGF	Invesco Financial Preferred ETF	PGF	No	NYSE Arca	4:00	5
PGRE	Paramount Group Inc.	PGRE	No	NYSE	4:00	5
PKBK	PARKE BANCORP, INC.	PKBK	No	NASDAQ	4:00	5
PLOW	Douglas Dynamics Inc	PLOW	No	NYSE	4:00	5
PROF	PROFOUND MEDICAL CORP	PROF	No	NASDAQ	4:00	5
PSCE	INVESCO S&P SMALLCAP ENERGY ETF	PSCE	No	NASDAQ	4:00	5
PSO	Pearson PLC	PSO	No	NYSE	4:00	5
PVBC	PROVIDENT BANCORP INC	PVBC	No	NASDAQ	4:00	5
PVL	Permianville Royalty Trust	PVL	No	NYSE	4:00	5
PXJ	Invesco Oil & Gas Services ETF	PXJ	No	NYSE Arca	4:00	5



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
QXO	QXO, Inc.	QXO	No	NASDAQ	4:00	5
RDI	Reading International Inc	RDI	No	NASDAQ	4:00	5
REET	iShares Global REIT ETF	REET	No	NYSE Arca	4:00	5
REYN	REYNOLDS CONSUMER PRODUCTS	REYN	No	NASDAQ	4:00	5
RINC	AXS Real Estate Income ETF	RINC	No	NYSE Arca	4:00	5
RLI	RLI Corporation	RLI	No	NYSE	4:00	5
RLJ	RLJ Lodging Trust	RLJ	No	NYSE	4:00	5
RM	Regional Management Corporation	RM	No	NYSE	4:00	5
ROAD	CONSTRUCTION PARTNERS, INC	ROAD	No	NASDAQ	4:00	5
RPAR	RPAR RISK PARITY	RPAR	No	NYSE Arca	4:00	5
RPG	Invesco S&P 500 Pure Growth ETF	RPG	No	NYSE Arca	4:00	5
RTH	VanEck Retail ETF	RTH	No	NASDAQ	4:00	5
RVSB	Riverview Bancorp, Inc.	RVSB	No	NASDAQ	4:00	5
SAFT	Safety Insurance Group, Inc.	SAFT	No	NASDAQ	4:00	5
SCHO	SCHWAB SHORT-TERM USTREASURY ETF	SCHO	No	NYSE Arca	4:00	5
SCSC	SCANSOURCE, INC.	SCSC	No	NASDAQ	4:00	5
SCZ	iShares MSCI EAFE Small-Cap ETF	SCZ	No	NASDAQ	4:00	5
SEF	Short Financials ProShares	SEF	No	NYSE Arca	4:00	5
SERV	SERVE ROBOTICS INC.	SERV	No	NASDAQ	4:00	5
SGC	Superior Group of Companies, Inc.	SGC	No	NASDAQ	4:00	5



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
SGMT	SAGIMET BIOSCIENCES INC.	SGMT	No	NASDAQ	4:00	5
SHC	SOTERA HEALTH COMPANY	SHC	No	NASDAQ	4:00	5
SHEN	SHENANDOAH TELECOMMUNICATIONS CO	SHEN	No	NASDAQ	4:00	5
SITC	SITE Centers Corporation	SITC	No	NYSE	4:00	5
SIXG	Defiance Connective Technologies ETF	SIXG	No	NASDAQ	4:00	5
SJNK	SPDR Bloomberg Short Term High Yield Bond ETF	SJNK	No	NYSE Arca	4:00	5
SKM	SK TELECOM CO. LTD	SKM	No	NYSE	4:00	5
SLDB	SOLID BIOSCIENCES, INC	SLDB	No	NASDAQ	4:00	5
SLGN	Silgan Holdings Inc.	SLGN	No	NYSE	4:00	5
SLX	VanEck Steel ETF	SLX	No	NYSE Arca	4:00	5
SNN	Smith & Nephew PLC	SNN	No	NYSE	4:00	5
SOC	Sable Offshore Corp.	SOC	No	NYSE	4:00	5
SOCL	Global X Funds Global X Social Media ETF	SOCL	No	NASDAQ	4:00	5
SPCX	SPAC and New Issue ETF	SPCX	No	NASDAQ	4:00	5
SPI	SPI ENERGY CO LTD	SPI	No	NASDAQ	4:00	5
SPNS	Sapiens International Corporation NV	SPNS	No	NASDAQ	4:00	5
SPSC	SPS Commerce, Inc.	SPSC	No	NASDAQ	4:00	5
SPTI	SPDR PORTFOLIO INTERMEDIATE TERM TREASURY ETF	SPTI	No	NYSE Arca	4:00	5
SPTM	SPDR Portfolio S&P 1500 Composite Stock Market ETF	SPTM	No	NYSE Arca	4:00	5
SPYI	NEOS S&P 500 HIGH INCOME ETF	SPYI	No	CBOE BZX	4:00	5
SY	SO-YOUNG INTERNATIONAL, INC.	SY	No	NASDAQ	4:00	5



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
TAIL	CAMBRIA TAIL RISK	TAIL	No	CBOE BZX	4:00	6
TBI	TrueBlue, Inc.	TBI	No	NYSE	4:00	6
TBNK	Territorial Bancorp Inc.	TBNK	No	NASDAQ	4:00	6
TCMD	Tactile Systems Technology I	TCMD	No	NASDAQ	4:00	6
THCH	TH International Limited	THCH	No	NASDAQ	4:00	6
THD	iShares MSCI Thailand ETF	THD	No	NYSE Arca	4:00	6
THRM	Gentherm Incorporated	THRM	No	NASDAQ	4:00	6
THRY	THRYV HOLDINGS, INC.	THRY	No	NASDAQ	4:00	6
THTX	Theratechnologies Inc.	THTX	No	NASDAQ	4:00	6
TIMB	TIM S.A.	TIMB	No	NYSE	4:00	6
TLN	TALEN ENERGY CORP	TLN	No	NASDAQ	4:00	6
TOKE	CAMBRIA CANNABIS ETF	TOKE	No	CBOE BZX	4:00	6
TOWN	TowneBank	TOWN	No	NASDAQ	4:00	6
TRUE	TrueCar, Inc.	TRUE	No	NASDAQ	4:00	6
TTGT	TechTarget, Inc.	TTGT	No	NASDAQ	4:00	6
TTSH	TILE SHOP HOLDINGS INC	TTSH	No	NASDAQ	4:00	6
TXMD	TherapeuticsMD, Inc.	TXMD	No	NASDAQ	4:00	6
UE	Urban Edge Properties	UE	No	NYSE	4:00	6
UGP	Ultrapar Participacoes SA	UGP	No	NYSE	4:00	6
ULE	ProShares Ultra Euro	ULE	No	NYSE Arca	4:00	6
ULTY	YIELDMAX ULTRA OPTION INCOME STRATEGY ETF	ULTY	No	NYSE Arca	4:00	6



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
UONEK	URBAN ONE INC	UONEK	No	NASDAQ	4:00	6
USL	United States 12 Month Oil Fund	USL	No	NYSE Arca	4:00	6
USNA	USANA Health Sciences, Inc	USNA	No	NYSE	4:00	6
USPH	US PHYSICAL THERAPY INC	USPH	No	NYSE	4:00	6
VBTX	VERITEX HOLDINGS, INC.	VBTX	No	NASDAQ	4:00	6
VIRC	VIRCO MFG CORP	VIRC	No	NASDAQ	4:00	6
VIRX	Viracta Therapeutics, Inc.	VIRX	No	NASDAQ	4:00	6
VMBS	VANGUARD MORTGAGE-BACKED SECURITIES ETF	VMBS	No	NASDAQ	4:00	6
VOE	Vanguard Mid-Cap Value ETF	VOE	No	NYSE Arca	4:00	6
VTEX	VTEX	VTEX	No	NYSE	4:00	6
VTOL	BRISTOW GROUP INC	VTOL	No	NYSE	4:00	6
VVX	V2X, Inc.	VVX	No	NYSE	4:00	6
WERN	WERNER ENTERPRISES INC	WERN	No	NASDAQ	4:00	6
WSBF	Waterstone Financial Inc	WSBF	No	NASDAQ	4:00	6
XBIT	XBiotech Inc.	XBIT	No	NASDAQ	4:00	6
XGN	EXAGEN, INC.	XGN	No	NASDAQ	4:00	6
XHR	Xenia Hotels & Resorts Inc	XHR	No	NYSE	4:00	6
XNCR	Xencor Inc.	XNCR	No	NASDAQ	4:00	6
XOMA	XOMA Royalty Corporation	XOMA	No	NASDAQ	4:00	6
XPP	ProShares Ultra FTSE China 50	XPP	No	NYSE Arca	4:00	6



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
ZKIN	ZK INTERNATIONAL GROUP CO., LTD.	ZKIN	No	NASDAQ	4:00	7

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