



# 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 14, 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
ABCB	Ameris Bancorp	ABCB	No	NYSE	4:00 PM	1
ACCO	ACCO Brands Corp	ACCO	No	NYSE	4:00 PM	1
ACEL	ACCEL ENTERTAINMENT, INC.	ACEL	No	NYSE	4:00 PM	1
ACET	ADICET BIO INC	ACET	No	NASDAQ	4:00 PM	1
ACXP	ACURX PHARMACEUTICALS LLC	ACXP	No	NASDAQ	4:00 PM	1
ADUS	Addus HomeCare Corporation	ADUS	No	NASDAQ	4:00 PM	1
ADV	Advantage Solutions Inc.	ADV	No	NASDAQ	4:00 PM	1
AEG	Aegon Ltd.	AEG	No	NYSE	4:00 PM	1
AEVA	Aeva Technologies, Inc.	AEVA	No	NYSE	4:00 PM	1
AFG	AMERICAN FINANCIAL GROUP	AFG	No	NYSE	4:00 PM	1
AHH	Armada Hoffler Properties, Inc.	AHH	No	NYSE	4:00 PM	1
ALHC	ALIGNMENT HEALTHCARE INC	ALHC	No	NASDAQ	4:00 PM	1
ALLK	ALLAKOS, INC.	ALLK	No	NASDAQ	4:00 PM	1
ALPP	ALPINE 4 HOLDINGS, INC.	ALPP	No	NASDAQ	4:00 PM	1
AMG	AFFILIATED MANAGERS GROUP INC	AMG	No	NYSE	4:00 PM	1
AMH	American Homes 4 Rent	AMH	No	NYSE	4:00 PM	1



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
AMWD	American Woodmark Corp	AMWD	No	NASDAQ	4:00 PM	1
AMZA	InfraCap MLP ETF	AMZA	No	NYSE Arca	4:00 PM	1
ANAB	AnaptysBio, Inc	ANAB	No	NASDAQ	4:00 PM	1
ANDE	The Andersons, Inc.	ANDE	No	NASDAQ	4:00 PM	1
ANIP	ANI Pharmaceuticals Inc	ANIP	No	NASDAQ	4:00 PM	1
AORT	Artivion, Inc.	AORT	No	NYSE	4:00 PM	1
AOUT	AMERICAN OUTDOOR BRANDS, INC.	AOUT	No	NASDAQ	4:00 PM	1
APEI	American Public Education Inc.	APEI	No	NASDAQ	4:00 PM	1
API	AGORA, INC.	API	No	NASDAQ	4:00 PM	1
APOG	APOGEE ENTERPRISES INC	APOG	No	NASDAQ	4:00 PM	1
AQMS	Aqua Metals, Inc.	AQMS	No	NASDAQ	4:00 PM	1
ARC	ARC Document Solutions, Inc.	ARC	No	NYSE	4:00 PM	1
ARKX	ARK SPACE EXPLORATION & INNOVATION ETF	ARKX	No	CBOE BZX	4:00 PM	1
ARW	ARROW ELECTRONICS INC.	ARW	No	NYSE	4:00 PM	1
ASA	ASA Gold and Precious Metals Limited	ASA	No	NYSE	4:00 PM	1
ASB	ASSOCIATED BANC CORP	ASB	No	NYSE	4:00 PM	1
ASGN	ASGN Incorporated	ASGN	No	NYSE	4:00 PM	1
ASTE	ASTEC INDUSTRIES, INC	ASTE	No	NASDAQ	4:00 PM	1
ASUR	Asure Software Inc	ASUR	No	NASDAQ	4:00 PM	1
ASYS	Amtech Systems, Inc.	ASYS	No	NASDAQ	4:00 PM	1



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ATEX	Anterix Inc.	ATEX	No	NASDAQ	4:00 PM	1
ATHM	Autohome Inc.	ATHM	No	NYSE	4:00 PM	1
ATRO	ASTRONICS CORPORATION	ATRO	No	NASDAQ	4:00 PM	1
ATXS	Astria Therapeutics, Inc.	ATXS	No	NASDAQ	4:00 PM	1
AUDC	AUDICODES LTD.	AUDC	No	NASDAQ	4:00 PM	1
AVAH	AVEANNA HEALTHCARE HOLDINGS	AVAH	No	NASDAQ	4:00 PM	1
AVNS	Avanos Medical, Inc.	AVNS	No	NYSE	4:00 PM	1
AVNT	Avient Corporation	AVNT	No	NYSE	4:00 PM	1
AWRE	Aware Inc	AWRE	No	NASDAQ	4:00 PM	1
AXGN	Axogen, Inc.	AXGN	No	NASDAQ	4:00 PM	1
BAP	Credicorp Limited	BAP	No	NYSE	4:00 PM	1
BATRA	Atlanta Braves Holdings, Inc. Series A	BATRA	No	NASDAQ	4:00 PM	1
BATRK	Atlanta Braves Holdings, Inc. Series C	BATRK	No	NASDAQ	4:00 PM	1
BBSI	Barrett Business Services Inc.	BBSI	No	NASDAQ	4:00 PM	1
BCSF	BAIN CAPITAL SPECIALTY FINANCE, INC.	BCSF	No	NYSE	4:00 PM	1
BCTX	BRIACELL THERAPEUTICS CORP	BCTX	No	NASDAQ	4:00 PM	1
BCYC	BICYCLE THERAPEUTICS PLC	BCYC	No	NASDAQ	4:00 PM	1
BDC	Belden Inc	BDC	No	NYSE	4:00 PM	1
BDRY	BREAKWAVE DRY BULK SHIPPING ETF	BDRY	No	NYSE Arca	4:00 PM	1
BELFB	Bel Fuse Inc. Class B	BELFB	No	NASDAQ	4:00 PM	1



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BETZ	ROUNHILL SPORTS BETTING & IGAMING ETF	BETZ	No	NYSE Arca	4:00 PM	1
BFAM	Bright Horizons Family Solutions Inc	BFAM	No	NYSE	4:00 PM	1
BIB	ProShares Ultra Nasdaq Biotechnology	BIB	No	NASDAQ	4:00 PM	1
BIO	Bio-Rad Laboratories, Inc.	BIO	No	NYSE	4:00 PM	1
BIOX	BIO-RAD LAB. INC	BIOX	No	NASDAQ	4:00 PM	1
BKH	BLACK HILLS CORPORATION	BKH	No	NYSE	4:00 PM	1
BLFS	BILOLIFE SOLUTIONS INC	BLFS	No	NASDAQ	4:00 PM	1
BMRA	BIOMERICA, INC.	BMRA	No	NASDAQ	4:00 PM	1
BOKF	Bok Financial Corporation	BOKF	No	NASDAQ	4:00 PM	1
BPOP	Popular Inc.	BPOP	No	NASDAQ	4:00 PM	1
BRDG	BRIDGE INVESTMENT GROUP HOLDINGS, INC.	BRDG	No	NYSE	4:00 PM	1
BRKL	Brookline Bancorp, Inc.	BRKL	No	NASDAQ	4:00 PM	1
BRLT	BRILLIANT EARTH GROUP, INC.	BRLT	No	NASDAQ	4:00 PM	1
BRSP	BrightSpire Capital, Inc.	BRSP	No	NYSE	4:00 PM	1
BRT	BRT APARTMENTS CORP	BRT	No	NYSE	4:00 PM	1
BRX	Brixmor Property Group Inc	BRX	No	NYSE	4:00 PM	1
BRY	Berry Corporation	BRY	No	NASDAQ	4:00 PM	1
BSBR	Banco Santander Brasil SA	BSBR	No	NYSE	4:00 PM	1
BSET	Bassett Furniture Industries Inc	BSET	No	NASDAQ	4:00 PM	1
BUZZ	VanEck Social Sentiment ETF	BUZZ	No	NYSE Arca	4:00 PM	1



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BYSI	BEYONDSRING INC.	BYSI	No	NASDAQ	4:00 PM	1
CACI	CACI INTERNATIONAL, INC.	CACI	No	NYSE	4:00 PM	2
CAE	CAE INC	CAE	No	NYSE	4:00 PM	2
CALF	PACER US SMALL CAP CASH COWS 100 ETF	CALF	No	CBOE BZX	4:00 PM	2
CAPL	CrossAmerica Partners LP	CAPL	No	NYSE	4:00 PM	2
CARA	Cara Therapeutics Inc	CARA	No	NASDAQ	4:00 PM	2
CARS	Cars.com Inc.	CARS	No	NYSE	4:00 PM	2
CASH	Pathward Financial, Inc.	CASH	No	NASDAQ	4:00 PM	2
CBT	CABOT CORPORATION	CBT	No	NYSE	4:00 PM	2
CCEC	Capital Clean Energy Carriers Corp.	CCEC	No	NASDAQ	4:00 PM	2
CCRN	CROSS COUNTRY HEALTHCARE	CCRN	No	NASDAQ	4:00 PM	2
CDRE	CADRE HOLDINGS INC	CDRE	No	NYSE	4:00 PM	2
CECO	CECO Environmental Corporation	CECO	No	NASDAQ	4:00 PM	2
CELU	Celularity Inc.	CELU	No	NASDAQ	4:00 PM	2
CERT	CERTARA, INC.	CERT	No	NASDAQ	4:00 PM	2
CEVA	Ceva Inc	CEVA	No	NASDAQ	4:00 PM	2
CGBD	Carlyle Secured Lending, Inc.	CGBD	No	NASDAQ	4:00 PM	2
CHAT	TIDAL TRUST II ROUNDHILL GENERATIVE AI & TECH ETF	CHAT	No	NYSE Arca	4:00 PM	2
CIG	Companhia Energetica de Minas Gerais - CEMIG	CIG	No	NYSE	4:00 PM	2
CIGI	COLLIERS INTERNATIONAL GROUP INC.	CIGI	No	NASDAQ	4:00 PM	2



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CLLS	Collectis S.A.	CLLS	No	NASDAQ	4:00 PM	2
CLPR	CLIPPER REALTY, INC.	CLPR	No	NYSE	4:00 PM	2
CLSD	Clearside Biomedical, Inc.	CLSD	No	NASDAQ	4:00 PM	2
CLW	Clearwater Paper Corporation	CLW	No	NYSE	4:00 PM	2
CMLS	CUMULUS MEDIA, INC.	CMLS	No	NASDAQ	4:00 PM	2
CMPR	Cimpres PLC	CMPR	No	NASDAQ	4:00 PM	2
CMS	CMS ENERGY CORPORATION	CMS	No	NYSE	4:00 PM	2
CMTG	CLAROS MORTGAGE TRUST, INC.	CMTG	No	NYSE	4:00 PM	2
CNMD	CONMED CORP.	CNMD	No	NYSE	4:00 PM	2
CNSL	Consolidated Communications Holdings, Inc.	CNSL	No	NASDAQ	4:00 PM	2
CNTY	Century Casinos Inc	CNTY	No	NASDAQ	4:00 PM	2
CODI	Compass Diversified	CODI	No	NYSE	4:00 PM	2
COHU	COHU, INC.	COHU	No	NASDAQ	4:00 PM	2
COLM	COLUMBIA SPORTWEAR CO.	COLM	No	NASDAQ	4:00 PM	2
COSM	COSMOS HOLDINGS INC.	COSM	No	NASDAQ	4:00 PM	2
CPSH	CPS TECHNOLOGIES CORPORATION	CPSH	No	NASDAQ	4:00 PM	2
CTOS	Custom Truck One Source, Inc.	CTOS	No	NYSE	4:00 PM	2
CTRM	CASTOR MARITIME, INC.	CTRM	No	NASDAQ	4:00 PM	2
CULP	Culp, Inc.	CULP	No	NYSE	4:00 PM	2
CURI	CURIOSITYSTREAM INC	CURI	No	NASDAQ	4:00 PM	2



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CUZ	Cousins Properties Inc.	CUZ	No	NYSE	4:00 PM	2
CVBF	CVB Financial Corp.	CVBF	No	NASDAQ	4:00 PM	2
CVGI	Commercial Vehicle Group Inc	CVGI	No	NASDAQ	4:00 PM	2
CWENA	Clearway Energy, Inc. Class A	CWENA	No	NYSE	4:00 PM	2
CWST	CASELLA WASTE SYSTEMS	CWST	No	NASDAQ	4:00 PM	2
CXT	Crane NXT, Co.	CXT	No	NYSE	4:00 PM	2
DAO	YOUDAO INC	DAO	No	NYSE	4:00 PM	2
DAPP	VanEck Digital Transformation ETF	DAPP	No	NASDAQ	4:00 PM	2
DBO	Invesco DB Oil Fund	DBO	No	NYSE Arca	4:15 PM	2
DENN	Denny's Corp.	DENN	No	NASDAQ	4:00 PM	2
DGII	Digi International Inc	DGII	No	NASDAQ	4:00 PM	2
DH	DEFINITIVE HEALTHCARE CORP.	DH	No	NASDAQ	4:00 PM	2
DIBS	1STDIBS.COM, INC.	DIBS	No	NASDAQ	4:00 PM	2
DIVO	AMPLIFY CWP ENHANCED DIVIDEND INCOME ETF	DIVO	No	NYSE Arca	4:00 PM	2
DLB	DOLBY LABORATORIES INC	DLB	No	NYSE	4:00 PM	2
DLNG	Dynagas LNG Partners LP	DLNG	No	NYSE	4:00 PM	2
DMAC	DIAMEDICA THERAPEUTICS INC.	DMAC	No	NASDAQ	4:00 PM	2
DNB	DUN & BRADSTREET HOLDINGS INC	DNB	No	NYSE	4:00 PM	2
DNMR	DANIMER SCIENTIFIC INC	DNMR	No	NYSE	4:00 PM	2
DNOW	DNOW Inc.	DNOW	No	NYSE	4:00 PM	2
DOOO	BRP, INC.	DOOO	No	NASDAQ	4:00 PM	2



# MIAX Sapphire™ Options Exchange

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DRIV	GLOBAL X AUTONOMOUS & ELECTRIC VEHICLES ETF	DRIV	No	NASDAQ	4:00 PM	2
DSGN	DESIGN THERAPEUTICS, INC.	DSGN	No	NASDAQ	4:00 PM	2
DSGX	DESCARTES SYSTEM GROUP INC	DSGX	No	NASDAQ	4:00 PM	2
DSL	DoubleLine Income Solutions Fund	DSL	No	NYSE	4:00 PM	2
DUG	ProShares UltraShort Energy	DUG	No	NYSE Arca	4:00 PM	2
ECH	iShares MSCI Chile ETF	ECH	No	CBOE BZX	4:00 PM	2
ECNS	iShares MSCI China Small-Cap ETF	ECNS	No	NYSE Arca	4:00 PM	2
ECPG	Encore Capital Group Inc	ECPG	No	NASDAQ	4:00 PM	2
EDZ	Direxion Daily Emerging Markets Bear 3X Share	EDZ	No	NYSE Arca	4:00 PM	2
EE	EXCELERATE ENERGY, INC.	EE	No	NYSE	4:00 PM	2
EGAN	eGain Corporation	EGAN	No	NASDAQ	4:00 PM	2
EGBN	Eagle Bancorp Inc	EGBN	No	NASDAQ	4:00 PM	2
EHAB	ENHABIT, INC	EHAB	No	NYSE	4:00 PM	2
EKSO	EKSO BIONICS HOLDINGS, INC.	EKSO	No	NASDAQ	4:00 PM	2
ELDND	ELEDON PHARMACEUTICALS, INC.	ELDND	No	NASDAQ	4:00 PM	2
ELME	Elme Communities	ELME	No	NYSE	4:00 PM	2
EMLC	VanEck J. P. Morgan EM Local Currency Bond ETF	EMLC	No	NYSE Arca	4:00 PM	2
ENLV	ENLIVEX THERAPEUTICS LTD.	ENLV	No	NASDAQ	4:00 PM	2
ENR	ENERGIZER HOLDINGS, INC.	ENR	No	NYSE	4:00 PM	2
ENSG	Ensign Group, Inc.	ENSG	No	NASDAQ	4:00 PM	2





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Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
ENTX	ENTERA BIO LTD.	ENTX	No	NASDAQ	4:00 PM	2
ENVA	Enova International Inc	ENVA	No	NYSE	4:00 PM	2
ENZ	ENZO BIOCHEM, INC.	ENZ	No	NYSE	4:00 PM	2
EPC	Edgewell Personal Care Company	EPC	No	NYSE	4:00 PM	2
EPP	iShares MSCI Pacific ex Japan ETF	EPP	No	NYSE Arca	4:00 PM	2
EQC	Equity Commonwealth	EQC	No	NYSE	4:00 PM	2
ERIE	Erie Indemnity Company Cl A	ERIE	No	NASDAQ	4:00 PM	2
ERII	Energy Recovery Inc.	ERII	No	NASDAQ	4:00 PM	2
ESLT	ELBIT SYSTEMS LTD.	ESLT	No	NASDAQ	4:00 PM	2
ESRT	Empire State Realty	ESRT	No	NYSE	4:00 PM	2
ETD	ETHAN ALLEN INTERIORS INC	ETD	No	NYSE	4:00 PM	2
EUFN	iShares MSCI Europe Financials ETF	EUFN	No	NASDAQ	4:00 PM	2
EVC	Entravision Communications Corp	EVC	No	NYSE	4:00 PM	2
EWI	iShares MSCI Italy ETF	EWI	No	NYSE Arca	4:00 PM	2
EWP	iShares MSCI Spain ETF	EWP	No	NYSE Arca	4:00 PM	2
EWS	iShares MSCI Singapore ETF	EWS	No	NYSE Arca	4:00 PM	2
FARM	FARMER BROS. CO.	FARM	No	NASDAQ	4:00 PM	2
FBK	FB Financial Corporation	FBK	No	NYSE	4:00 PM	2
FBP	FIRST BANCORP	FBP	No	NYSE	4:00 PM	2
FC	Franklin Covey Co.	FC	No	NYSE	4:00 PM	2
FCN	First BanCorp.	FCN	No	NYSE	4:00 PM	2



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
FDN	First Trust Dow Jones Internet Index Fund ETF	FDN	No	NYSE Arca	4:00 PM	2
FDUS	Fidus Investment Corporation	FDUS	No	NASDAQ	4:00 PM	2
FENC	FENNEC PHARMACEUTICALS INC.	FENC	No	NASDAQ	4:00 PM	2
FFBC	First Financial Bancorp.	FFBC	No	NASDAQ	4:00 PM	2
FIBK	First Interstate Bancsystem Inc	FIBK	No	NASDAQ	4:00 PM	2
FINX	GLOBAL X FINTECH ETF	FINX	No	NASDAQ	4:00 PM	2
FKWL	FRANKLIN WIRELESS CORP.	FKWL	No	NASDAQ	4:00 PM	2
FLL	FULL HOUSE RESORTS, INC.	FLL	No	NASDAQ	4:00 PM	2
FMNB	Farmers National Banc Corp.	FMNB	No	NASDAQ	4:00 PM	2
FMS	Fresenius Medical Care AG	FMS	No	NYSE	4:00 PM	2
FNA	PARAGON 28, INC.	FNA	No	NYSE	4:00 PM	2
FNB	F N B Corp. PA	FNB	No	NYSE	4:00 PM	2
FOR	Forestar Group Inc	FOR	No	NYSE	4:00 PM	2
FOX	FOX CORPCL B COM	FOX	No	NASDAQ	4:00 PM	2
FSS	FEDERAL SIGNAL CORP	FSS	No	NYSE	4:00 PM	2
FTEK	Fuel Tech inc.	FTEK	No	NASDAQ	4:00 PM	2
FTHM	FATHOM HOLDINGS INC.	FTHM	No	NASDAQ	4:00 PM	2
FTK	Flotek Industries Inc	FTK	No	NYSE	4:00 PM	2
FUL	FULLER (H.B.) CO	FUL	No	NYSE	4:00 PM	2
FXA	Invesco CurrencyShares Australian Dollar Trust	FXA	No	NYSE Arca	4:00 PM	2
GANX	GAIN THERAPEUTICS, INC.	GANX	No	NASDAQ	4:00 PM	3



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GATX	GATX Corporation	GATX	No	NYSE	4:00 PM	3
GDEN	Golden Entertainment Inc	GDEN	No	NASDAQ	4:00 PM	3
GDYN	GRID DYNAMICS HOLDINGS, INC.	GDYN	No	NASDAQ	4:00 PM	3
GGG	GRACO, INC.	GGG	No	NYSE	4:00 PM	3
GIB	CGI Inc.	GIB	No	NYSE	4:00 PM	3
GLL	ProShares UltraShort Gold	GLL	No	NYSE Arca	4:00 PM	3
GLP	Global Partners LP	GLP	No	NYSE	4:00 PM	3
GLPG	Galapagos NV	GLPG	No	NASDAQ	4:00 PM	3
GLRE	Global Partners LP	GLRE	No	NASDAQ	4:00 PM	3
GLT	Glatfelter Corporation	GLT	No	NYSE	4:00 PM	3
GLUE	MONTE ROSA THERAPEUTICS, INC.	GLUE	No	NASDAQ	4:00 PM	3
GMRE	GLOBAL MEDICAL REIT INC	GMRE	No	NYSE	4:00 PM	3
GMS	GMS Inc.	GMS	No	NYSE	4:00 PM	3
GNE	Genie Energy Ltd.	GNE	No	NYSE	4:00 PM	3
GNSS	Genasys Inc.	GNSS	No	NASDAQ	4:00 PM	3
GOLF	Acushnet Holdings Corp.	GOLF	No	NYSE	4:00 PM	3
GP	GREENPOWER MOTOR COMPANY INC.	GP	No	NASDAQ	4:00 PM	3
GPK	Graphic Packaging Holding Co	GPK	No	NYSE	4:00 PM	3
GREK	Global X MSCI Greece ETF	GREK	No	NYSE Arca	4:00 PM	3
GROV	GROVE COLLABORATIVE HOLDINGS, INC.	GROV	No	NYSE	4:00 PM	3
GROW	U.S. Global Investors, Inc.	GROW	No	NASDAQ	4:00 PM	3



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GSG	iShares S&P GSCI Commodity Indexed Trust	GSG	No	NYSE Arca	4:00 PM	3
GTY	Getty Realty Corporation	GTY	No	NYSE	4:00 PM	3
HBNC	Horizon Bancorp, Inc.	HBNC	No	NASDAQ	4:00 PM	3
HCAT	HEALTH CATALYST, INC.	HCAT	No	NASDAQ	4:00 PM	3
HCSG	Healthcare Services Group, Inc.	HCSG	No	NASDAQ	4:00 PM	3
HFFG	HF FOODS GROUP, INC.	HFFG	No	NASDAQ	4:00 PM	3
HGV	Hilton Grand Vacations Inc.	HGV	No	NYSE	4:00 PM	3
HIBS	DIREXION DAILY S&P 500 HIGH BETA BEAR 3X SHARES	HIBS	No	NYSE Arca	4:00 PM	3
HLLY	HOLLEY INC.	HLLY	No	NYSE	4:00 PM	3
HLMN	Hillman Solutions Corporation	HLMN	No	NASDAQ	4:00 PM	3
HMST	HomeStreet Inc	HMST	No	NASDAQ	4:00 PM	3
HOWL	WEREWOLF THERAPEUTICS, INC.	HOWL	No	NASDAQ	4:00 PM	3
HTH	Hilltop Holdings Inc.	HTH	No	NYSE	4:00 PM	3
HTLD	HEARTLAND EXPRESS, INC.	HTLD	No	NASDAQ	4:00 PM	3
HURN	Huron Consulting Group, Inc.	HURN	No	NASDAQ	4:00 PM	3
HUSA	Houston American Energy Corp.	HUSA	No	AMEX	4:00 PM	3
HVT	Haverty Furniture Companies, Inc	HVT	No	NYSE	4:00 PM	3
HWC	HOUSTON AMERICAN ENERGY CORPORATION	HWC	No	NASDAQ	4:00 PM	3
HYD	VanEck High Yield Muni ETF	HYD	No	CBOE BZX	4:00 PM	3
HYFM	HYDROFARM HOLDINGS GROUP, INC	HYFM	No	NASDAQ	4:00 PM	3



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HYPR	HYPERFINE INC	HYPR	No	NASDAQ	4:00 PM	3
ICAD	iCAD Inc	ICAD	No	NASDAQ	4:00 PM	3
ICF	iShares Cohen & Steers REIT ETF	ICF	No	CBOE BZX	4:00 PM	3
ICHR	Ichor Holdings Ltd	ICHR	No	NASDAQ	4:00 PM	3
ICL	ICL GROUP LTD.	ICL	No	NYSE	4:00 PM	3
ICUI	ICU MEDICAL, INC.	ICUI	No	NASDAQ	4:00 PM	3
IDV	iShares International Select Dividend ETF	IDV	No	CBOE BZX	4:00 PM	3
IEZ	iShares U.S. Oil Equipment & Services ETF	IEZ	No	NYSE Arca	4:00 PM	3
IGIB	iSharesTrustiShares 5-10 Yr Inv Grade Corp BondETF	IGIB	No	NASDAQ	4:00 PM	3
IHS	IHS HOLDING LTD.	IHS	No	NYSE	4:00 PM	3
IIIN	INSTEEL INDUSTRIES INC	IIIN	No	NYSE	4:00 PM	3
IJS	iShares S&P Small-Cap 600 Value ETF	IJS	No	NYSE Arca	4:00 PM	3
ILF	iShares Latin America 40 ETF	ILF	No	NYSE Arca	4:00 PM	3
IMAB	I-Mab	IMAB	No	NASDAQ	4:00 PM	3
IMXI	INTERNATIONAL MONEY EXPRESS, INC.	IMXI	No	NASDAQ	4:00 PM	3
INGR	I-MAB SPONSORED	INGR	No	NYSE	4:00 PM	3
INN	Summit Hotel Properties, Inc.	INN	No	NYSE	4:00 PM	3
INVA	Innoviva, Inc.	INVA	No	NASDAQ	4:00 PM	3
INVE	Identiv, Inc.	INVE	No	NASDAQ	4:00 PM	3
INVX	Innovex International, Inc.	INVX	No	NYSE	4:00 PM	3
INZY	INOZYME PHARMA, INC.	INZY	No	NASDAQ	4:00 PM	3



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
IPA	IMMUNOPRECISE ANTIBODIES LTD.	IPA	No	NASDAQ	4:00 PM	3
IPGP	IPG Photonics Corp	IPGP	No	NASDAQ	4:00 PM	3
IPO	RENAISSANCE IPO ETF	IPO	No	NYSE Arca	4:00 PM	3
IRIX	IRIDEX CORPORATION	IRIX	No	NASDAQ	4:00 PM	3
ITGR	Integer Holdings Corporation	ITGR	No	NYSE	4:00 PM	3
ITI	Iteris, Inc.	ITI	No	NASDAQ	4:00 PM	3
IVAC	Intevac, Inc.	IVAC	No	NASDAQ	4:00 PM	3
IVE	iShares S&P 500 Value ETF	IVE	No	NYSE Arca	4:00 PM	3
IVOL	QUADRATIC INTEREST RATE VOL. AND INFLATION ETF	IVOL	No	NYSE Arca	4:00 PM	3
IVVD	Invivyd, Inc.	IVVD	No	NASDAQ	4:00 PM	3
IWC	iShares Micro-Cap ETF	IWC	No	NYSE Arca	4:00 PM	3
IWP	iShares Russell Mid-Cap Growth ETF	IWP	No	NYSE Arca	4:00 PM	3
IWS	iShares Russell Mid-Cap Value ETF	IWS	No	NYSE Arca	4:00 PM	3
IZEA	IZEA WORLDWIDE, INC.	IZEA	No	NASDAQ	4:00 PM	3
JBGS	JBG SMITH Properties	JBGS	No	NYSE	4:00 PM	3
JBI	Janus International Group, Inc.	JBI	No	NYSE	4:00 PM	3
JBT	John Bean Technologies Corp.	JBT	No	NYSE	4:00 PM	3
JFIN	JIAYIN GROUP INC.	JFIN	No	NASDAQ	4:00 PM	3
JKHY	JACK HENRY & ASSOCIATES	JKHY	No	NASDAQ	4:00 PM	3
KAR	OPENLANE, Inc.	KAR	No	NYSE	4:00 PM	3
KB	KB Financial Group, Inc.	KB	No	NYSE	4:00 PM	3



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
KFY	Korn Ferry	KFY	No	NYSE	4:00 PM	3
KIDS	ORTHOPEDIATRICS CORP	KIDS	No	NASDAQ	4:00 PM	3
KOD	KODIAK SCIENCES, INC.	KOD	No	NASDAQ	4:00 PM	3
KRBN	KraneShares Global Carbon Strategy ETF	KRBN	No	NYSE Arca	4:00 PM	3
KRNT	Kornit Digital Ltd	KRNT	No	NASDAQ	4:00 PM	3
KRO	Kronos Worldwide Inc	KRO	No	NYSE	4:00 PM	3
KROS	KEROS THERAPEUTICS, INC.	KROS	No	NASDAQ	4:00 PM	3
KSPI	KASPI.KZ JOINT STOCK COMPANY	KSPI	No	NASDAQ	4:00 PM	3
KT	KT Corporation	KT	No	NYSE	4:00 PM	3
KTB	KT Corp.	KTB	No	NYSE	4:00 PM	3
KTCC	Key Tronic Corporation	KTCC	No	NASDAQ	4:00 PM	3
KW	Kennedy-Wilson Holdings Inc	KW	No	NYSE	4:00 PM	3
KYMR	KYMER A THERAPEUTICS INC	KYMR	No	NASDAQ	4:00 PM	3
KZR	KEZAR LIFE SCIENCES INC	KZR	No	NASDAQ	4:00 PM	3
LADR	Ladder Capital Corporation	LADR	No	NYSE	4:00 PM	3
LAKE	Lakeland Industries, Inc	LAKE	No	NASDAQ	4:00 PM	3
LAUR	Laureate Education, Inc.	LAUR	No	NASDAQ	4:00 PM	3
LAW	CS DISCO, INC	LAW	No	NYSE	4:00 PM	3
LBRDK	Liberty Broadband Corporation Class C	LBRDK	No	NASDAQ	4:00 PM	3
LBTYK	Liberty Global Ltd. Class C	LBTYK	No	NASDAQ	4:00 PM	3
LCTX	Lineage Cell Therapeutics, Inc.	LCTX	No	AMEX	4:00 PM	3



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
LE	Lands' End, Inc.	LE	No	NASDAQ	4:00 PM	3
LEGH	LEGACY HOUSING CORPORATION	LEGH	No	NASDAQ	4:00 PM	3
LFVN	LifeVantage Corporation	LFVN	No	NASDAQ	4:00 PM	3
LGND	Ligand Pharmaceuticals Incorporated	LGND	No	NASDAQ	4:00 PM	3
LGO	Largo Inc.	LGO	No	NASDAQ	4:00 PM	3
LGTY	Logility Supply Chain Solutions, Inc.	LGTY	No	NASDAQ	4:00 PM	3
LILA	Liberty Latin America Class A Ordinary Share	LILA	No	NASDAQ	4:00 PM	3
LILAK	Liberty Latin America Class C Ordinary Share	LILAK	No	NASDAQ	4:00 PM	3
LITM	SNOW LAKE RESOURCES LTD.	LITM	No	NASDAQ	4:00 PM	3
LOB	Live Oak Bancshares, Inc.	LOB	No	NYSE	4:00 PM	3
LPL	LG Display Co Ltd	LPL	No	NYSE	4:00 PM	3
LPTX	LEAP THERAPEUTICS, INC	LPTX	No	NASDAQ	4:00 PM	3
LTC	LTC Properties, Inc.	LTC	No	NYSE	4:00 PM	3
LTRN	LANTERN PHARMA, INC.	LTRN	No	NASDAQ	4:00 PM	3
LUNG	PULMONX CORP	LUNG	No	NASDAQ	4:00 PM	3
LVLU	LULUS FASHION LOUNGE HOLDINGS, INC.	LVLU	No	NASDAQ	4:00 PM	3
LVTX	LAVA THERAPEUTICS NV	LVTX	No	NASDAQ	4:00 PM	3
LVWR	LiveWire Group, Inc.	LVWR	No	NYSE	4:00 PM	3
LYEL	LYELL IMMUNOPHARMA, INC.	LYEL	No	NASDAQ	4:00 PM	3
MASS	908 DEVICES INC	MASS	No	NASDAQ	4:00 PM	4
MATW	Matthews International Corporation	MATW	No	NASDAQ	4:00 PM	4





# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
MCB	METROPOLITAN BANK HOLDING CORP.	MCB	No	NYSE	4:00 PM	4
MCW	MISTER CAR WASH INC	MCW	No	NYSE	4:00 PM	4
MCY	Mercury General Corporation	MCY	No	NYSE	4:00 PM	4
MEG	MONTROSE ENVIRONMENTAL GROUP	MEG	No	NYSE	4:00 PM	4
METV	Roundhill Ball Metaverse ETF	METV	No	NYSE Arca	4:00 PM	4
MG	Mistras Group Inc	MG	No	NYSE	4:00 PM	4
MGPI	MGP INGREDIENTS, INC	MGPI	No	NASDAQ	4:00 PM	4
MGTX	MEIRAGTX HOLDINGS PLC	MGTX	No	NASDAQ	4:00 PM	4
MIDU	Direxionshares Daily Mid Cap Bull 3X Shares	MIDU	No	NYSE Arca	4:00 PM	4
MIST	MILESTONE PHARMACEUTICALS, INC.	MIST	No	NASDAQ	4:00 PM	4
MKFG	Markforged Holding Corporation	MKFG	No	NYSE	4:00 PM	4
MKL	Markel Group Inc.	MKL	No	NYSE	4:00 PM	4
MLSS	MILESTONE SCIENTIFIC, INC	MLSS	No	AMEX	4:00 PM	4
MMSI	MERIT MEDICAL SYSTEMS INC	MMSI	No	NASDAQ	4:00 PM	4
MNTX	Manitex International Inc	MNTX	No	NASDAQ	4:00 PM	4
MOO	VanEck Agribusiness ETF	MOO	No	NYSE Arca	4:15 PM	4
MPAA	Motorcar Parts of America Inc.	MPAA	No	NASDAQ	4:00 PM	4
MPX	Marine Products	MPX	No	NYSE	4:00 PM	4
MRC	MRC Global Inc.	MRC	No	NYSE	4:00 PM	4
MSB	Mesabi Trust	MSB	No	NYSE	4:00 PM	4
MTW	THE MANITOWOC COMPANY, INC	MTW	No	NYSE	4:00 PM	4



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
MVO	MV Oil Trust	MVO	No	NYSE	4:00 PM	4
MWA	Mueller Water Products, Inc.	MWA	No	NYSE	4:00 PM	4
MYPS	PLAYSTUDIOS, Inc.	MYPS	No	NASDAQ	4:00 PM	4
MYRG	MYR Group Inc.	MYRG	No	NASDAQ	4:00 PM	4
MYTE	MYT NETHERLANDS PARENT BV	MYTE	No	NYSE	4:00 PM	4
NAUT	Nautilus Biotechnology, Inc.	NAUT	No	NASDAQ	4:00 PM	4
NDLS	Noodles & Company	NDLS	No	NASDAQ	4:00 PM	4
NECB	NORTHEAST COMMUNITY BANCORP INC	NECB	No	NASDAQ	4:00 PM	4
NHI	National Health Investors Inc	NHI	No	NYSE	4:00 PM	4
NIU	NIU TECHNOLOGIES	NIU	No	NASDAQ	4:00 PM	4
NMFC	New Mountain Finance Corporation	NMFC	No	NASDAQ	4:00 PM	4
NMIH	NMI Holdings Inc.	NMIH	No	NASDAQ	4:00 PM	4
NMR	Nomura Holdings, Inc.	NMR	No	NYSE	4:00 PM	4
NMRA	NEUMORA THERAPEUTICS INC	NMRA	No	NASDAQ	4:00 PM	4
NMTC	NEUROONE MEDICAL TECHNOLOGIES CORPORATION	NMTC	No	NASDAQ	4:00 PM	4
NNBR	NN Inc	NNBR	No	NASDAQ	4:00 PM	4
NOMD	NOMAD FOODS LTD	NOMD	No	NYSE	4:00 PM	4
NTB	THE BANK OF N.T. BUTTERFIELD & SON LIMITED	NTB	No	NYSE	4:00 PM	4
NTCT	NETSCOUT SYS INC	NTCT	No	NASDAQ	4:00 PM	4
NTWK	NetSol Technologies, Inc.	NTWK	No	NASDAQ	4:00 PM	4
NWS	News Corporation	NWS	No	NASDAQ	4:00 PM	4



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
NXRT	NexPoint Residential Trust Inc.	NXRT	No	NYSE	4:00 PM	4
OABI	OMNIAB, INC.	OABI	No	NASDAQ	4:00 PM	5
OCFC	Oceanfirst Financial Corp.	OCFC	No	NASDAQ	4:00 PM	5
OCUP	OCUPHIRE PHARMA, INC.	OCUP	No	NASDAQ	4:00 PM	5
OEC	Orion S.A.	OEC	No	NYSE	4:00 PM	5
OESX	Orion Energy Systems, Inc.	OESX	No	NASDAQ	4:00 PM	5
OFG	OFG Bancorp	OFG	No	NYSE	4:00 PM	5
OGE	OGE ENERGY CORP.	OGE	No	NYSE	4:00 PM	5
OMAB	GRUPO AEROPORTUARIO DEL CENTRO NORTE SAB DE CV	OMAB	No	NASDAQ	4:00 PM	5
ONL	ORION OFFICE REIT INC	ONL	No	NYSE	4:00 PM	5
ONTF	ON24, INC	ONTF	No	NYSE	4:00 PM	5
OOMA	Ooma, Inc.	OOMA	No	NYSE	4:00 PM	5
OPAD	Offerpad Solutions Inc.	OPAD	No	NYSE	4:00 PM	5
OPFI	OppFi Inc	OPFI	No	NYSE	4:00 PM	5
ORGO	ORGANOGENESIS HOLDINGS, INC.	ORGO	No	NASDAQ	4:00 PM	5
ORLA	ORLA MINING LTD	ORLA	No	AMEX	4:00 PM	5
ORMP	Oramed Pharmaceuticals Inc	ORMP	No	NASDAQ	4:00 PM	5
OSIS	OSI Systems Inc.	OSIS	No	NASDAQ	4:00 PM	5
OSUR	ORASURE TECHNOLOGIES INC	OSUR	No	NASDAQ	4:00 PM	5
OSW	ONESPAWORLD HOLDINGS LTD	OSW	No	NASDAQ	4:00 PM	5



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
OXM	Oxford Industries, Inc	OXM	No	NYSE	4:00 PM	5
OXSQ	Oxford Square Capital Corporation	OXSQ	No	NASDAQ	4:00 PM	5
PACK	RANPAK HOLDINGS CORP	PACK	No	NYSE	4:00 PM	5
PACS	PACS GROUP INC	PACS	No	NYSE	4:00 PM	5
PAM	Pampa Energia SA	PAM	No	NYSE	4:00 PM	5
PANL	PANGAEA LOGISTICS SOLUTIONS LTD.	PANL	No	NASDAQ	4:00 PM	5
PATK	Patrick Industries, Inc.	PATK	No	NASDAQ	4:00 PM	5
PB	Prosperity Bancshares, Inc.	PB	No	NYSE	4:00 PM	5
PBW	Invesco WilderHill Clean Energy ETF	PBW	No	NYSE Arca	4:00 PM	5
PCH	PotlatchDeltic Corporation	PCH	No	NASDAQ	4:00 PM	5
PDM	Piedmont Office Realty Trust Inc.	PDM	No	NYSE	4:00 PM	5
PDS	Precision Drilling Corporation	PDS	No	NYSE	4:00 PM	5
PECO	PHILLIPS EDISON & COMPANY, INC.	PECO	No	NASDAQ	4:00 PM	5
PETQ	PETIQ Inc.	PETQ	No	NASDAQ	4:00 PM	5
PEY	Invesco High Yield Equity Dividend Achievers ETF	PEY	No	NASDAQ	4:00 PM	5
PFMT	Performant Financial Corporation	PFMT	No	NASDAQ	4:00 PM	5
PFS	PROVIDENT FINANCIAL SERVICES, INC	PFS	No	NYSE	4:00 PM	5
PGJ	Invesco Golden Dragon China ETF	PGJ	No	NASDAQ	4:00 PM	5
PHO	Invesco Water Resources ETF	PHO	No	NASDAQ	4:00 PM	5
PHX	PHX Minerals Inc.	PHX	No	NYSE	4:00 PM	5
PICK	iShares MSCI Global Select Metals & Mining Produce	PICK	No	CBOE BZX	4:00 PM	5



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
PINC	Premier Inc.	PINC	No	NASDAQ	4:00 PM	5
PIPR	Piper Sandler Companies	PIPR	No	NYSE	4:00 PM	5
PJT	PJT Partners Inc.	PJT	No	NYSE	4:00 PM	5
PKE	Park Aerospace Corp.	PKE	No	NYSE	4:00 PM	5
PKX	POSCO Holdings Inc.	PKX	No	NYSE	4:00 PM	5
PLMR	PALOMAR HOLDINGS INC	PLMR	No	NASDAQ	4:00 PM	5
PLRX	PLIANT THERAPEUTICS, INC.	PLRX	No	NASDAQ	4:00 PM	5
PLYA	PLAYA HOTELS & RESORTS	PLYA	No	NASDAQ	4:00 PM	5
PMCB	PHARMACYTE BIOTECH, INC.	PMCB	No	NASDAQ	4:00 PM	5
PMVP	PMV PHARMACEUTICALS, INC.	PMVP	No	NASDAQ	4:00 PM	5
PNTG	PENNANT GROUP INC	PNTG	No	NASDAQ	4:00 PM	5
POWI	Power Integrations Inc	POWI	No	NASDAQ	4:00 PM	5
PPA	INVESCO AEROSPACE & DEFENSE ETF	PPA	No	NYSE Arca	4:00 PM	5
PRDO	Perdoceo Education Corporation	PRDO	No	NASDAQ	4:00 PM	5
PRI	Primerica Inc.	PRI	No	NYSE	4:00 PM	5
PRLB	Proto Labs Inc	PRLB	No	NYSE	4:00 PM	5
PRLD	PRELUDE THERAPEUTICS, INC.	PRLD	No	NASDAQ	4:00 PM	5
PRPH	PROPHASE LABS, INC	PRPH	No	NASDAQ	4:00 PM	5
PRVA	PRIVIA HEALTH GROUP INC	PRVA	No	NASDAQ	4:00 PM	5
PST	ProShares UltraShort Lehman 7-10 Year Treasury	PST	No	NYSE Arca	4:00 PM	5
PSTL	Postal Realty Trust, Inc.	PSTL	No	NYSE	4:00 PM	5



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
PTMN	Portman Ridge Finance Corporation	PTMN	No	NASDAQ	4:00 PM	5
QNCX	Quince Therapeutics, Inc.	QNCX	No	NASDAQ	4:00 PM	5
QRHC	QUEST RESOURCE HOLDING CORPORATION	QRHC	No	NASDAQ	4:00 PM	5
QUAL	iShares MSCI USA Quality Factor ETF	QUAL	No	CBOE BZX	4:00 PM	5
RBBN	Ribbon Communications Inc.	RBBN	No	NASDAQ	4:00 PM	5
RBC	RBC Bearings Incorporated	RBC	No	NYSE	4:00 PM	5
RCEL	Avita Medical, Inc.	RCEL	No	NASDAQ	4:00 PM	5
RCMT	RCM Technologies, Inc.	RCMT	No	NASDAQ	4:00 PM	5
RDY	Dr. Reddy's Laboratories Limited	RDY	No	NYSE	4:00 PM	5
REG	REGENCY CENTERS CORP	REG	No	NASDAQ	4:00 PM	5
REK	ProShares Short Real Estate	REK	No	NYSE Arca	4:00 PM	5
RELL	Richardson Electronics Ltd	RELL	No	NASDAQ	4:00 PM	5
REMX	VanEck Rare Earth and Strategic Metals ETF	REMX	No	NYSE Arca	4:00 PM	5
REX	REX AMERICAN RESOURCES CORP	REX	No	NYSE	4:00 PM	5
REZI	Resideo Technologies Inc	REZI	No	NYSE	4:00 PM	5
RFL	RAFAEL HOLDINGS, INC.	RFL	No	NYSE	4:00 PM	5
RGP	RESOURCES CONNECTION, INC.	RGP	No	NASDAQ	4:00 PM	5
RHP	Ryman Hospitality Properties, Inc.	RHP	No	NYSE	4:00 PM	5
RLAY	RELAY THERAPEUTICS INC	RLAY	No	NASDAQ	4:00 PM	5
RMNI	RIMINI STREET, INC.	RMNI	No	NASDAQ	4:00 PM	5
RNW	ReNew Energy Global plc	RNW	No	NASDAQ	4:00 PM	5



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
ROG	ROGERS CORPORATION	ROG	No	NYSE	4:00 PM	5
ROM	ProShares Ultra Technology	ROM	No	NYSE Arca	4:00 PM	5
RPTX	REPARE THERAPEUTICS INC.	RPTX	No	NASDAQ	4:00 PM	5
RSKD	RISKIFIED LTD.	RSKD	No	NYSE	4:00 PM	5
RUSHA	Rush Enterprises Inc	RUSHA	No	NASDAQ	4:00 PM	5
RVP	RETRACTABLE TECHNOLOGIES, INC.	RVP	No	AMEX	4:00 PM	5
RWR	SPDR Dow Jones REIT ETF	RWR	No	NYSE Arca	4:00 PM	5
RYI	Ryerson Holding Corp	RYI	No	NYSE	4:00 PM	5
SAH	SONIC AUTOMOTIVE,INC.	SAH	No	NYSE	4:00 PM	5
SANM	Sanmina Corporation	SANM	No	NASDAQ	4:00 PM	5
SATL	SATELLOGIC INC	SATL	No	NASDAQ	4:00 PM	5
SBS	Companhia de Saneamento Básico do Estado de São Paulo	SBS	No	NYSE	4:00 PM	5
SCHL	SCHOLASTIC CORPORATION	SCHL	No	NASDAQ	4:00 PM	5
SCHP	Schwab U.S. TIPs ETF	SCHP	No	NYSE Arca	4:00 PM	5
SCVL	Shoe Carnival Inc	SCVL	No	NASDAQ	4:00 PM	5
SCWX	SecureWorks Corp.	SCWX	No	NASDAQ	4:00 PM	5
SDIV	Global X SuperDividend ETF	SDIV	No	NYSE Arca	4:00 PM	5
SDY	SPDR S&P Dividend ETF	SDY	No	NYSE Arca	4:00 PM	5
SEER	SEER, INC.	SEER	No	NASDAQ	4:00 PM	5
SEIC	SEI INVESTMENTS CO	SEIC	No	NASDAQ	4:00 PM	5



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
SEM	Select Medical Holding Corporation	SEM	No	NYSE	4:00 PM	5
SES	SES AI Corporation	SES	No	NYSE	4:00 PM	5
SHO	Sunstone Hotel Investors, Inc	SHO	No	NYSE	4:00 PM	5
SHYF	The Shyft Group, Inc.	SHYF	No	NASDAQ	4:00 PM	5
SKF	ProShares UltraShort Financials	SKF	No	NYSE Arca	4:00 PM	5
SKYY	First Trust Cloud Computing ETF	SKYY	No	NASDAQ	4:00 PM	5
SLF	SUN LIFE FINANCIAL INC.	SLF	No	NYSE	4:00 PM	5
SLGL	SOL-GEL TECHNOLOGIES LTD.	SLGL	No	NASDAQ	4:00 PM	5
SLVM	SYLVAMO CORPORATION	SLVM	No	NYSE	4:00 PM	5
SMFG	Sumitomo Mitsui Financial Group, Inc.	SMFG	No	NYSE	4:00 PM	5
SMHI	SEACOR MARINE HOLDINGS INC	SMHI	No	NYSE	4:00 PM	5
SMRT	SmartRent, Inc.	SMRT	No	NYSE	4:00 PM	5
SMWB	SIMILARWEB LTD.	SMWB	No	NYSE	4:00 PM	5
SNDR	Schneider National, Inc.	SNDR	No	NYSE	4:00 PM	5
SPHB	Invesco S&P 500 High Beta ETF	SPHB	No	NYSE Arca	4:00 PM	5
SPLV	Invesco S&P 500 Low Volatility ETF	SPLV	No	NYSE Arca	4:00 PM	5
SPOK	Spok Holdings, Inc.	SPOK	No	NASDAQ	4:00 PM	5
SPRO	Spero Therapeutics Inc	SPRO	No	NASDAQ	4:00 PM	5
SPRU	Spruce Power Holding Corporation	SPRU	No	NYSE	4:00 PM	5
SRDX	Surmodics, Inc.	SRDX	No	NASDAQ	4:00 PM	5
SRLN	SPDR Blackstone Senior Loan ETF	SRLN	No	NYSE Arca	4:00 PM	5





# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
SSSS	SuRo Capital Corporation	SSSS	No	NASDAQ	4:00 PM	5
SSTI	SoundThinking, Inc.	SSTI	No	NASDAQ	4:00 PM	5
STIM	NEURONETICS, INC.	STIM	No	NASDAQ	4:00 PM	5
STRA	Strategic Education, Inc.	STRA	No	NASDAQ	4:00 PM	5
SUP	SUPERIOR INDUSTRIES INT	SUP	No	NYSE	4:00 PM	5
SUPN	Supernus Pharmaceuticals, Inc.	SUPN	No	NASDAQ	4:00 PM	5
SVV	SAVERS VALUE VILLAGE, INC	SVV	No	NYSE	4:00 PM	5
SWI	Solarwinds Corp.	SWI	No	NYSE	4:00 PM	5
SWIM	LATHAM GROUP INC	SWIM	No	NASDAQ	4:00 PM	5
SXC	SunCoke Energy, Inc.	SXC	No	NYSE	4:00 PM	5
SYPR	SYPRIS SOLUTIONS, INC.	SYPR	No	NASDAQ	4:00 PM	5
TARA	PROTARA THERAPEUTICS, INC.	TARA	No	NASDAQ	4:00 PM	6
TASK	TASKUS, INC.	TASK	No	NASDAQ	4:00 PM	6
TBF	ProShares Short 20+ Year Treasury ETF	TBF	No	NYSE Arca	4:00 PM	6
TBPH	Theravance Biopharma Inc	TBPH	No	NASDAQ	4:00 PM	6
TCBI	Texas Capital Bancshares, Inc	TCBI	No	NASDAQ	4:00 PM	6
TCPC	BlackRock TCP Capital Corp.	TCPC	No	NASDAQ	4:00 PM	6
TDY	Teledyne Technologies Inc	TDY	No	NYSE	4:00 PM	6
TEO	Telecom Argentina SA	TEO	No	NYSE	4:00 PM	6
TFX	TELEFLEX INC	TFX	No	NYSE	4:00 PM	6
TG	Tredegar Corp	TG	No	NYSE	4:00 PM	6



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
THR	Thermon Group Holdings Inc	THR	No	NYSE	4:00 PM	6
THS	TREEHOUSE FOODS, INC.	THS	No	NYSE	4:00 PM	6
TILE	Interface, Inc.	TILE	No	NASDAQ	4:00 PM	6
TKC	Turkcell Iletisim Hizmetleri A.S.	TKC	No	NYSE	4:00 PM	6
TLPH	Talpher, Inc.	TLPH	No	NASDAQ	4:00 PM	6
TLSA	Tiziana Life Sciences Ltd.	TLSA	No	NASDAQ	4:00 PM	6
TMHC	Taylor Morrison Home Corporation	TMHC	No	NYSE	4:00 PM	6
TMQ	Trilogy Metals Inc.	TMQ	No	AMEX	4:00 PM	6
TNET	TriNet Group Inc.	TNET	No	NYSE	4:00 PM	6
TOUR	Tuniu Corporation	TOUR	No	NASDAQ	4:00 PM	6
TPB	Turning Piont Brands Inc	TPB	No	NYSE	4:00 PM	6
TR	Tootsie Roll Industries Inc	TR	No	NYSE	4:00 PM	6
TRAK	ReposiTrak, Inc.	TRAK	No	NYSE	4:00 PM	6
TRML	TOURMALINE BIO, INC.	TRML	No	NASDAQ	4:00 PM	6
TROO	TROOPS, Inc.	TROO	No	NASDAQ	4:00 PM	6
TRVG	Trivago N.V.	TRVG	No	NASDAQ	4:00 PM	6
TRX	TRX Gold Corporation	TRX	No	AMEX	4:00 PM	6
TSQ	Townsquare Media, Inc.	TSQ	No	NYSE	4:00 PM	6
TTEK	TETRA TECH INC	TTEK	No	NASDAQ	4:00 PM	6
TTT	ProShares UltraPro Short 20+ Year Treasury	TTT	No	NYSE Arca	4:00 PM	6
TURN	180 Degree Capital Corporation	TURN	No	NASDAQ	4:00 PM	6



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
TUYA	TUYA INC	TUYA	No	NYSE	4:00 PM	6
TV	Grupo Televisa, S.A.B.	TV	No	NYSE	4:00 PM	6
TYL	Tyler Technologies, Inc.	TYL	No	NYSE	4:00 PM	6
UAMY	US Antimony Corp.	UAMY	No	AMEX	4:00 PM	6
UBX	UNITY BIOTECHNOLOGY INC.	UBX	No	NASDAQ	4:00 PM	6
UDR	UDR, Inc.	UDR	No	NYSE	4:00 PM	6
UEIC	Universal Electronics Inc	UEIC	No	NASDAQ	4:00 PM	6
UFPI	UFP Industries, Inc.	UFPI	No	NASDAQ	4:00 PM	6
UGRO	URBAN-GRO INC	UGRO	No	NASDAQ	4:00 PM	6
UHAL	AMERCO	UHAL	No	NYSE	4:00 PM	6
ULS	UL SOLUTIONS INC	ULS	No	NYSE	4:00 PM	6
UMH	UMH Properties, Inc	UMH	No	NYSE	4:00 PM	6
URE	ProShares UltraShort Real Estate	URE	No	NYSE Arca	4:00 PM	6
UVV	UNIVERSAL CORPORATION	UVV	No	NYSE	4:00 PM	6
VBK	Vanguard Small-Cap Growth ETF	VBK	No	NYSE Arca	4:00 PM	6
VBR	Vanguard Small-Cap Value ETF	VBR	No	NYSE Arca	4:00 PM	6
VCYT	Veracyte, Inc.	VCYT	No	NASDAQ	4:00 PM	6
VFH	Vanguard Financials ETF	VFH	No	NYSE Arca	4:00 PM	6
VGZ	Vista Gold Corp.	VGZ	No	AMEX	4:00 PM	6
VHT	Vanguard Health Care ETF	VHT	No	NYSE Arca	4:00 PM	6
VIV	Telefonica Brasil S.A.	VIV	No	NYSE	4:00 PM	6



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
VMI	Valmont Industries, Inc.	VMI	No	NYSE	4:00 PM	6
VNRX	VOLITIONRX LIMITED	VNRX	No	AMEX	4:00 PM	6
VO	Vanguard Mid-Cap ETF	VO	No	NYSE Arca	4:00 PM	6
VPU	Vanguard Utilities Index Fund ETF	VPU	No	NYSE Arca	4:00 PM	6
VRCA	VERRICA PHARMACEUTICALS INC.	VRCA	No	NASDAQ	4:00 PM	6
VTIP	VANGUARD SHORT-TERM INFLATION-PROTECTED SECURITIES	VTIP	No	NASDAQ	4:00 PM	6
VV	Vanguard Large-Cap ETF	VV	No	NYSE Arca	4:00 PM	6
VVV	Valvoline, Inc.	VVV	No	NYSE	4:00 PM	6
WAY	WAYSTAR HOLDING CORP.	WAY	No	NASDAQ	4:00 PM	6
WBX	Wallbox N.V.	WBX	No	NYSE	4:00 PM	6
WCLD	WISDOMTREE CLOUD COMPUTING FUND	WCLD	No	NASDAQ	4:00 PM	6
WEX	WEX Inc.	WEX	No	NYSE	4:00 PM	6
WFG	WEST FRASER TIMBER CO. LTD.	WFG	No	NYSE	4:00 PM	6
WH	WYNDHAM HOTELS RESORTS INC	WH	No	NYSE	4:00 PM	6
WHD	Cactus Inc	WHD	No	NYSE	4:00 PM	6
WK	Workiva Inc.	WK	No	NYSE	4:00 PM	6
WKC	World Kinect Corporation	WKC	No	NYSE	4:00 PM	6
WLDN	WILLDAN GROUP INC	WLDN	No	NASDAQ	4:00 PM	6
WLKP	Westlake Chemical Partners LP Common Units	WLKP	No	NYSE	4:00 PM	6
WLY	John Wiley & Sons, Inc.	WLY	No	NYSE	4:00 PM	6



# MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
WNS	WNS Holdings Ltd	WNS	No	NYSE	4:00 PM	6
WPP	WPP PLC	WPP	No	NYSE	4:00 PM	6
WPRT	Westport Fuel Systems Inc	WPRT	No	NASDAQ	4:00 PM	6
WSR	Whitestone REIT	WSR	No	NYSE	4:00 PM	6
WTFC	Wintrust Financial Corporation	WTFC	No	NASDAQ	4:00 PM	6
WWR	WESTWATER RESOURCES INC	WWR	No	AMEX	4:00 PM	6
XES	SPDR S&P Oil & Gas Equipment & Services ETF	XES	No	NYSE Arca	4:00 PM	6
XPRO	EXPRO GROUP HOLDINGS	XPRO	No	NYSE	4:00 PM	6
XSD	SPDR S&P Semiconductor ETF	XSD	No	NYSE Arca	4:00 PM	6
XYLD	GLOBAL X S&P 500 COVERED CALL ETF	XYLD	No	NYSE Arca	4:00 PM	6
YMAB	Y-MABS THERAPEUTICS INC	YMAB	No	NASDAQ	4:00 PM	7
YSG	YATSEN HOLDING LTD. ADR CLASS A	YSG	No	NYSE	4:00 PM	7
ZWS	Zurn Elkay Water Solutions Corporation	ZWS	No	NYSE	4:00 PM	7
ZYXI	ZYNEX INC	ZYXI	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.