



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 7, 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
ACA	ARCOSA INC	ACA	No	NYSE	4:00 PM	1
ACLX	ARCELLX, INC.	ACLX	No	NASDAQ	4:00 PM	1
ACRE	Ares Commercial Real Estate Corporation	ACRE	No	NYSE	4:00 PM	1
ACRS	Aclaris Therapeutics, Inc.	ACRS	No	NASDAQ	4:00 PM	1
ACVA	ACV AUCTIONS INC	ACVA	No	NASDAQ	4:00 PM	1
ADC	Agree Realty Corporation	ADC	No	NYSE	4:00 PM	1
ADCT	ADC THERAPEUTICSSA	ADCT	No	NYSE	4:00 PM	1
ADEA	Adeia Inc.	ADEA	No	NASDAQ	4:00 PM	1
ADNT	Adient plc	ADNT	No	NYSE	4:00 PM	1
ADPT	Adaptive Biotechnologies Corp	ADPT	No	NASDAQ	4:00 PM	1
AEIS	Advanced Energy Industries, Inc.	AEIS	No	NASDAQ	4:00 PM	1
AFCG	AFC GAMMA INC	AFCG	No	NASDAQ	4:00 PM	1
AGM	Federal Agricultural Mortgage Corp.	AGM	No	NYSE	4:00 PM	1
AGRO	AdecoAgro S.A.	AGRO	No	NYSE	4:00 PM	1
AGS	PLAYAGS INC	AGS	No	NYSE	4:00 PM	1
AGX	Argan Inc.	AGX	No	NYSE	4:00 PM	1



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
AGYS	AGILYSYS INC	AGYS	No	NASDAQ	4:00 PM	1
AIOT	PowerFleet, Inc.	AIOT	No	NASDAQ	4:00 PM	1
AIP	ARTERIS, INC.	AIP	No	NASDAQ	4:00 PM	1
AIR	AAR Corp.	AIR	No	NYSE	4:00 PM	1
AIRG	Airgain Inc.	AIRG	No	NASDAQ	4:00 PM	1
AIV	Apartment Investment and Management Company	AIV	No	NYSE	4:00 PM	1
AIZ	Assurant Inc.	AIZ	No	NYSE	4:00 PM	1
ALDX	ALDEYRA THERAPEUTICS, INC.	ALDX	No	NASDAQ	4:00 PM	1
ALEC	ALECTOR INC.	ALEC	No	NASDAQ	4:00 PM	1
ALLE	ALLEGION PLC	ALLE	No	NYSE	4:00 PM	1
ALLT	Allot Communications Ltd	ALLT	No	NASDAQ	4:00 PM	1
ALRM	Alarm.Com Holdings, Inc.	ALRM	No	NASDAQ	4:00 PM	1
ALSN	Allison Transmission Holdings, Inc.	ALSN	No	NYSE	4:00 PM	1
ALTG	ALTA EQUIPMENT GROUP INC	ALTG	No	NYSE	4:00 PM	1
ALUR	ALLURION TECHNOLOGIES INC	ALUR	No	NYSE	4:00 PM	1
ALV	Autoliv, Inc.	ALV	No	NYSE	4:00 PM	1
ALVR	ALLOVIR INC	ALVR	No	NASDAQ	4:00 PM	1
AMPH	Amphastar Pharmaceuticals, Inc.	AMPH	No	NASDAQ	4:00 PM	1
AMPL	AMPLITUDE INC	AMPL	No	NASDAQ	4:00 PM	1
AMRC	Ameresco, Inc.	AMRC	No	NYSE	4:00 PM	1
AMX	America Movil S.A.B. de C.V.	AMX	No	NYSE	4:00 PM	1



MIAX Sapphire™ Options Exchange

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ANGI	Angie's List, Inc.	ANGI	No	NASDAQ	4:00 PM	1
ANGO	AngioDynamcis, Inc.	ANGO	No	NASDAQ	4:00 PM	1
ANIX	ANIXA BIOSCIENCES, INC.	ANIX	No	NASDAQ	4:00 PM	1
APG	API GROUP CORPORATION	APG	No	NYSE	4:00 PM	1
APPF	Appfolio Inc.	APPF	No	NASDAQ	4:00 PM	1
APT	ALPHA PRO TECH LTD.	APT	No	AMEX	4:00 PM	1
ARAY	Accuray Incorporated	ARAY	No	NASDAQ	4:00 PM	1
AREC	AMERICAN RESOURCES CORP	AREC	No	NASDAQ	4:00 PM	1
ARI	Apollo Commercial Real Estate Finance, Inc.	ARI	No	NYSE	4:00 PM	1
ARKO	ARKO CORP	ARKO	No	NASDAQ	4:00 PM	1
ARKQ	ARK AUTONOMOUS TECH & ROBOTICS	ARKQ	No	CBOE BZX	4:00 PM	1
ARKW	ARK Next Generation Internet ETF	ARKW	No	NYSE Arca	4:00 PM	1
ARQ	Arq, Inc.	ARQ	No	NASDAQ	4:00 PM	1
ASH	ASHLAND INC	ASH	No	NYSE	4:00 PM	1
ASIX	AdvanSix Inc.	ASIX	No	NYSE	4:00 PM	1
ATEN	A10 Networks, Inc.	ATEN	No	NYSE	4:00 PM	1
ATHA	ATHIRA PHARMA, INC.	ATHA	No	NASDAQ	4:00 PM	1
ATO	Atmos Energy Corp	ATO	No	NYSE	4:00 PM	1
ATYR	aTyr Pharma, Inc.	ATYR	No	NASDAQ	4:00 PM	1
AUTL	AUTOLUS THERAPEUTICS PLC	AUTL	No	NASDAQ	4:00 PM	1
AVB	AVALONBAY COMMUNITIES INC	AVB	No	NYSE	4:00 PM	1



MIAX Sapphire™ Options Exchange

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AVD	American Vanguard Corp.	AVD	No	NYSE	4:00 PM	1
AVIR	ATE PHARMACEUTICAL INC.	AVIR	No	NASDAQ	4:00 PM	1
AVNW	AVIAT NETWORKS INC	AVNW	No	NASDAQ	4:00 PM	1
AVO	MISSION PRODUCE INC	AVO	No	NASDAQ	4:00 PM	1
AVT	AVNET INC	AVT	No	NASDAQ	4:00 PM	1
AWI	Armstrong World Industries, Inc.	AWI	No	NYSE	4:00 PM	1
AXNX	Axonics Modulation Technologies Inc.	AXNX	No	NASDAQ	4:00 PM	1
AXS	AXIS CAPITAL HOLDINGS LIMITED	AXS	No	NYSE	4:00 PM	1
AYI	Acuity Brands, Inc.	AYI	No	NYSE	4:00 PM	1
AZPN	Aspen Technology, Inc.	AZPN	No	NASDAQ	4:00 PM	1
BBDC	Barings BDC, Inc.	BBDC	No	NYSE	4:00 PM	1
BBVA	BANCO BILBAO VIZCAYA	BBVA	No	NYSE	4:00 PM	1
BCC	Boise Cascade Company	BCC	No	NYSE	4:00 PM	1
BCOV	Brightcove Inc.	BCOV	No	NASDAQ	4:00 PM	1
BCPC	Balchem Corporation	BCPC	No	NASDAQ	4:00 PM	1
BDN	Brandywine Realty Trust	BDN	No	NYSE	4:00 PM	1
BGNE	BeiGene, Ltd.	BGNE	No	NASDAQ	4:00 PM	1
BIL	SPDR Bloomberg Barclays 1-3 Month T-Bill ETF	BIL	No	NYSE Arca	4:00 PM	1
BIOR	Biora Therapeutics, Inc.	BIOR	No	NASDAQ	4:00 PM	1
BIPC	BROOKFIELD INFRASTRUCTURE CORPORATION	BIPC	No	NYSE	4:00 PM	1
BIZD	VanEck BDC Income ETF	BIZD	No	NYSE Arca	4:00 PM	1



MIAX Sapphire™ Options Exchange

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BKD	Brookdale Senior Living Inc.	BKD	No	NYSE	4:00 PM	1
BKSY	BlackSky Technology Inc.	BKSY	No	NYSE	4:00 PM	1
BKU	BankUnited, Inc.	BKU	No	NYSE	4:00 PM	1
BLCO	BAUSCH & LOMB CORP	BLCO	No	NYSE	4:00 PM	1
BLD	TopBuild Corp.	BLD	No	NYSE	4:00 PM	1
BLRX	BIOLINE RX LTD	BLRX	No	NASDAQ	4:00 PM	1
BNL	Broadstone Net Lease, Inc.	BNL	No	NYSE	4:00 PM	1
BOC	BOSTON OMAHA CORP	BOC	No	NYSE	4:00 PM	1
BOH	Bank of Hawaii Corp.	BOH	No	NYSE	4:00 PM	1
BOOM	DMC Global Inc.	BOOM	No	NASDAQ	4:00 PM	1
BPT	BP PRUDHOE BAY ROYALTY TRUST	BPT	No	NYSE	4:00 PM	1
BR	Broadridge Financial Solutions, Inc.	BR	No	NYSE	4:00 PM	1
BRZU	Direxion Daily Brazil Bull 3X ETF	BRZU	No	NYSE Arca	4:00 PM	1
BTCM	BIT Mining Limited	BTCM	No	NYSE	4:00 PM	1
BTF	VALKYRIE BITCOIN STRATEGY ETF	BTF	No	NASDAQ	4:00 PM	1
BUG	GLOBAL X CYBER SECURITY	BUG	No	NASDAQ	4:00 PM	1
BVN	COMPANIA DE MINAS BUENAVENTURA S.A.	BVN	No	NYSE	4:00 PM	1
BVS	Bioventus Inc.	BVS	No	NASDAQ	4:00 PM	1
BWEN	BROADWIND, INC.	BWEN	No	NASDAQ	4:00 PM	1
BWIN	Baldwin Insurance Group, Inc.	BWIN	No	NASDAQ	4:00 PM	1
BXC	BlueLinx Holdings Inc.	BXC	No	NYSE	4:00 PM	1



MIAX Sapphire™ Options Exchange

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CACC	Credit Acceptance Corp.	CACC	No	NASDAQ	4:00 PM	2
CANE	Teucrium Sugar	CANE	No	NYSE Arca	4:00 PM	2
CBAT	CBAK ENERGY TECHNOLOGY, INC.	CBAT	No	NASDAQ	4:00 PM	2
CCCS	CCC Intelligent Solutions Holdings Inc.	CCCS	No	NASDAQ	4:00 PM	2
CCS	Century Communities, Inc.	CCS	No	NYSE	4:00 PM	2
CDNA	CareDx, Inc.	CDNA	No	NASDAQ	4:00 PM	2
CDXC	ChromaDex Corporation	CDXC	No	NASDAQ	4:00 PM	2
CDXS	Codexis Inc.	CDXS	No	NASDAQ	4:00 PM	2
CDZI	Cadiz Inc.	CDZI	No	NASDAQ	4:00 PM	2
CERS	CERUS CORPORATION	CERS	No	NASDAQ	4:00 PM	2
CGAU	CENTERRA GOLD INC.	CGAU	No	NYSE	4:00 PM	2
CHAU	Direxion Dly CSI 300 Chn A Shr Br 2X ETF	CHAU	No	NYSE Arca	4:00 PM	2
CHEF	Chefs' Warehouse Inc/The	CHEF	No	NASDAQ	4:00 PM	2
CHH	Choice Hotels International Inc.	CHH	No	NYSE	4:00 PM	2
CHMI	CHERRY HILL MORTGAGE INVESTMENT CORP.	CHMI	No	NYSE	4:00 PM	2
CHUY	CHUY'S HOLDINGS, INC.	CHUY	No	NASDAQ	4:00 PM	2
CIO	City Office REIT, Inc.	CIO	No	NYSE	4:00 PM	2
CLAR	Clarus Corporation	CLAR	No	NASDAQ	4:00 PM	2
CLB	Core Laboratories N.V.	CLB	No	NYSE	4:00 PM	2
CLDX	Celldex Therapeutics, Inc.	CLDX	No	NASDAQ	4:00 PM	2
CLOU	Global X Cloud Computing ETF Global X Cloud Computing ETF	CLOU	No	NASDAQ	4:00 PM	2



MIAX Sapphire™ Options Exchange

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CLPT	CLEARPOINT NEURO INC	CLPT	No	NASDAQ	4:00 PM	2
CLVT	Clarivate Plc	CLVT	No	NYSE	4:00 PM	2
CMBM	CAMBIUM NETWORKS CORPORATION	CMBM	No	NASDAQ	4:00 PM	2
CMCM	Cheetah Mobile Inc.	CMCM	No	NYSE	4:00 PM	2
CMRX	CHIMERIX, INC.	CMRX	No	NASDAQ	4:00 PM	2
CNA	CNA FINANCIAL CORPORATION	CNA	No	NYSE	4:00 PM	2
CNNE	Cannae Holdings, Inc.	CNNE	No	NYSE	4:00 PM	2
COOK	TRAEGER, INC.	COOK	No	NYSE	4:00 PM	2
CPS	Cooper-Standard Holdings Inc.	CPS	No	NYSE	4:00 PM	2
CPT	Camden Property Trust	CPT	No	NYSE	4:00 PM	2
CQP	Cheniere Energy Pttrs L.P.	CQP	No	NYSE	4:00 PM	2
CRESY	Cresud Sociedad Anonima Comercial, Inmobiliaria, Financiera y Agropecuaria	CRESY	No	NASDAQ	4:00 PM	2
CRVS	Corvus Pharmaceuticals, Inc.	CRVS	No	NASDAQ	4:00 PM	2
CTLP	Cantaloupe, Inc.	CTLP	No	NASDAQ	4:00 PM	2
CUBE	CubeSmart	CUBE	No	NYSE	4:00 PM	2
CUE	CUE BIOPHARMA INC	CUE	No	NASDAQ	4:00 PM	2
CUK	Carnival Corporation & Plc	CUK	No	NYSE	4:00 PM	2
CURE	Direxion Daily Healthcare Bull 3X ETF	CURE	No	NYSE Arca	4:00 PM	2
CVLG	Covenant Logistics Group, Inc.	CVLG	No	NYSE	4:00 PM	2
CVLT	Commvault Systems Inc.	CVLT	No	NASDAQ	4:00 PM	2



MIAX Sapphire™ Options Exchange

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CVRX	CVRX, INC.	CVRX	No	NASDAQ	4:00 PM	2
CWAN	CLEARWATER ANALYTICS HOLDINGS	CWAN	No	NYSE	4:00 PM	2
CWCO	Consolidated Water Co. Ltd	CWCO	No	NASDAQ	4:00 PM	2
CWEN	Clearway Energy, Inc.	CWEN	No	NYSE	4:00 PM	2
CWT	California Water Service Group	CWT	No	NYSE	4:00 PM	2
CXDO	CREXENDO, INC.	CXDO	No	NASDAQ	4:00 PM	2
DAN	Dana Holding Corporation	DAN	No	NYSE	4:00 PM	2
DBB	PowerShares DB Base Metals ETF	DBB	No	NYSE Arca	4:15 PM	2
DCGO	DOCGO INC	DCGO	No	NASDAQ	4:00 PM	2
DCI	Donaldson Company, Inc.	DCI	No	NYSE	4:00 PM	2
DDM	ProShares Ultra Dow30	DDM	No	NYSE Arca	4:00 PM	2
DFH	DREAM FINDERSHOMES, INC.	DFH	No	NYSE	4:00 PM	2
DHC	Diversified Healthcare Trust	DHC	No	NASDAQ	4:00 PM	2
DIG	ProShares Ultra Oil & Gas	DIG	No	NYSE Arca	4:00 PM	2
DIOD	Diodes Incorporated	DIOD	No	NASDAQ	4:00 PM	2
DKL	Delek Logistics Partners LP	DKL	No	NYSE	4:00 PM	2
DLTH	Duluth Holdings Inc.	DLTH	No	NASDAQ	4:00 PM	2
DLX	DELUXE CORPORATION	DLX	No	NYSE	4:00 PM	2
DMLP	Dorchester Minerals LP	DMLP	No	NASDAQ	4:00 PM	2
DNLI	Denali Therapeutics Inc.	DNLI	No	NASDAQ	4:00 PM	2
DOG	ProShares Short Dow30	DOG	No	NYSE Arca	4:00 PM	2



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
DOX	AMDOCS LTD	DOX	No	NASDAQ	4:00 PM	2
DRIO	DARIOHEALTH CORP	DRIO	No	NASDAQ	4:00 PM	2
DRRX	DURECT Corporation	DRRX	No	NASDAQ	4:00 PM	2
DSP	VIANT TECHNOLOGY, INC.	DSP	No	NASDAQ	4:00 PM	2
DTC	SOLO BRANDS, INC.	DTC	No	NYSE	4:00 PM	2
DTM	DT Midstream, Inc.	DTM	No	NYSE	4:00 PM	2
DXLG	DESTINATION XL GROUP, INC.	DXLG	No	NASDAQ	4:00 PM	2
DYAI	DYADIC INTERNATIONAL, INC.	DYAI	No	NASDAQ	4:00 PM	2
EBC	EASTERN BANKSHARES, INC.	EBC	No	NASDAQ	4:00 PM	2
EDAP	EDAP TMS S.A.	EDAP	No	NASDAQ	4:00 PM	2
EDC	Direxion Daily Emerging Markets Bull 3X Shares	EDC	No	NYSE Arca	4:00 PM	2
EEFT	EURONET WORLDWIDE, INC.	EEFT	No	NASDAQ	4:00 PM	2
EGHT	8x8 Inc.	EGHT	No	NASDAQ	4:00 PM	2
EHC	Encompass Health Corporation	EHC	No	NYSE	4:00 PM	2
EHTH	eHealth, Inc.	EHTH	No	NASDAQ	4:00 PM	2
ELS	Equity Lifestyle Properties, Inc.	ELS	No	NYSE	4:00 PM	2
EMBC	EMBECTA CORP.	EMBC	No	NASDAQ	4:00 PM	2
ENOV	Enovis Corporation	ENOV	No	NYSE	4:00 PM	2
EPAC	Actuant Corporation	EPAC	No	NYSE	4:00 PM	2
EPM	Evolution Petroleum Corporation	EPM	No	AMEX	4:00 PM	2
EPRT	Essential Properties Realty Trust Inc.	EPRT	No	NYSE	4:00 PM	2



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
ERY	Direxionshares Daily Energy Bear 3X Shares	ERY	No	NYSE Arca	4:00 PM	2
ESS	Essex Property Trust Inc.	ESS	No	NYSE	4:00 PM	2
ETWO	E2open Parent Holdings, Inc.	ETWO	No	NYSE	4:00 PM	2
EUO	PROSHARES ULTRASHORT EURO	EUO	No	NYSE Arca	4:00 PM	2
EVEX	Eve Holding, Inc.	EVEX	No	NYSE	4:00 PM	2
EVR	Evercore Partners Inc.	EVR	No	NYSE	4:00 PM	2
EWA	ISHARES MSCI AUSTRALIA INDEX	EWA	No	NYSE Arca	4:00 PM	2
EWBC	EAST WEST BANCORP INC	EWBC	No	NASDAQ	4:00 PM	2
EWZ	EUROPEAN WAX CENTER, INC.	EWZ	No	NASDAQ	4:00 PM	2
EWTX	EDGEWISE THERAPEUTICS, INC.	EWTX	No	NASDAQ	4:00 PM	2
EXLS	ExlService Holdings, Inc.	EXLS	No	NASDAQ	4:00 PM	2
EYEN	EYENOVIA, INC.	EYEN	No	NASDAQ	4:00 PM	2
EZPW	EZCORP, INC	EZPW	No	NASDAQ	4:00 PM	2
FATE	Fate Therapeutics, Inc.	FATE	No	NASDAQ	4:00 PM	2
FBIN	Fortune Brands Innovations, Inc.	FBIN	No	NYSE	4:00 PM	2
FCFS	FirstCash Holdings, Inc.	FCFS	No	NASDAQ	4:00 PM	2
FCG	First Trust ISE-Revere Natural Gas ETF	FCG	No	NYSE Arca	4:00 PM	2
FDP	Fresh Del Monte Produce Inc.	FDP	No	NYSE	4:00 PM	2
FENY	Fidelity MSCI Energy Index ETF	FENY	No	NYSE Arca	4:00 PM	2
FHI	Federated Hermes, Inc.	FHI	No	NYSE	4:00 PM	2
FINV	FinVolution Group	FINV	No	NYSE	4:00 PM	2



MIAX Sapphire™ Options Exchange

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FLGT	Fulgent Genetics, Inc.	FLGT	No	NASDAQ	4:00 PM	2
FLO	FLOWERS FOODS, INC.	FLO	No	NYSE	4:00 PM	2
FLWS	1-800-Flowers.com Inc.	FLWS	No	NASDAQ	4:00 PM	2
FORM	FormFactor Inc.	FORM	No	NASDAQ	4:00 PM	2
FRGE	FORGE GLOBAL HOLDINGS, INC.	FRGE	No	NYSE	4:00 PM	2
FRT	Federal Realty Investment Trust	FRT	No	NYSE	4:00 PM	2
FSP	Franklin Street Properties Corporation	FSP	No	AMEX	4:00 PM	2
FTCI	FTC SOLAR, INC.	FTCI	No	NASDAQ	4:00 PM	2
FULT	Fulton Financial Corporation	FULT	No	NASDAQ	4:00 PM	2
FWRG	FIRST WATCH RESTAURANT GROUP	FWRG	No	NASDAQ	4:00 PM	2
FXB	CurrencyShares British Pound Sterling Trust	FXB	No	NYSE Arca	4:00 PM	2
FXF	CurrencyShares Swiss Franc ETF	FXF	No	NYSE Arca	4:00 PM	2
GAMB	GAMBLING.COM GROUP LTD	GAMB	No	NASDAQ	4:00 PM	3
GATO	GATOS SILVER, INC.	GATO	No	NYSE	4:00 PM	3
GBDC	Golub Capital BDC, Inc.	GBDC	No	NASDAQ	4:00 PM	3
GCO	Genesco Inc.	GCO	No	NYSE	4:00 PM	3
GDOT	Green Dot Corporation	GDOT	No	NYSE	4:00 PM	3
GEF	Greif, Inc.	GEF	No	NYSE	4:00 PM	3
GFF	Griffon Corporation	GFF	No	NYSE	4:00 PM	3
GILT	Gilat Satellite Networks Ltd.	GILT	No	NASDAQ	4:00 PM	3
GLAD	Gladstone Capital Corporation	GLAD	No	NASDAQ	4:00 PM	3



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GLBS	GLOBUS MARITIME LIMITED	GLBS	No	NASDAQ	4:00 PM	3
GOOD	Gladstone Commercial Corporation	GOOD	No	NASDAQ	4:00 PM	3
GPRK	Geopark Ltd.	GPRK	No	NYSE	4:00 PM	3
GSHD	Goosehead Insurance, Inc.	GSHD	No	NASDAQ	4:00 PM	3
GSIT	GSI TECHNOLOGY	GSIT	No	NASDAQ	4:00 PM	3
GTX	Garrett Motion Inc.	GTX	No	NASDAQ	4:00 PM	3
GVA	Granite Construction Incorporated	GVA	No	NYSE	4:00 PM	3
HAIN	THE HAIN CELESTIAL GROUP, INC.	HAIN	No	NASDAQ	4:00 PM	3
HDSN	Hudson Technologies, Inc.	HDSN	No	NASDAQ	4:00 PM	3
HEES	H&E Equipment Services, Inc.	HEES	No	NASDAQ	4:00 PM	3
HIPO	Hippo Holdings Inc.	HIPO	No	NYSE	4:00 PM	3
HLN	HALEON PLC	HLN	No	NYSE	4:00 PM	3
HOMB	Home Bancshares, Inc.	HOMB	No	NYSE	4:00 PM	3
HPK	HIGHPEAK ENERGY INC	HPK	No	NASDAQ	4:00 PM	3
HRI	Herc Holdings Inc.	HRI	No	NYSE	4:00 PM	3
HRMY	HARMONY BIOSCIENCES HOLDINGS INC.	HRMY	No	NASDAQ	4:00 PM	3
HRZN	Horizon Technology Finance Corp	HRZN	No	NASDAQ	4:00 PM	3
HTOO	FUSION FUEL GREEN PLC	HTOO	No	NASDAQ	4:00 PM	3
IART	Integra LifeSciences Holdings Corporation	IART	No	NASDAQ	4:00 PM	3
IDA	IDACORP, INC.	IDA	No	NYSE	4:00 PM	3
IDN	Intellicheck, Inc.	IDN	No	NASDAQ	4:00 PM	3



MIAX Sapphire™ Options Exchange

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IDR	IDAHO STRATEGIC RESOURCES INC	IDR	No	AMEX	4:00 PM	3
IDT	IDT Corporation	IDT	No	NYSE	4:00 PM	3
IDYA	IDEAYA BIOSCIENCES, INC.	IDYA	No	NASDAQ	4:00 PM	3
IE	IVANHOE ELECTRIC INC.	IE	No	AMEX	4:00 PM	3
IEMG	iShares Core MSCI Emerging Markets	IEMG	No	NYSE Arca	4:00 PM	3
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	IEO	No	CBOE BZX	4:00 PM	3
IESC	IES HOLDINGS, INC.	IESC	No	NASDAQ	4:00 PM	3
IFRX	InflaRx N.V.	IFRX	No	NASDAQ	4:00 PM	3
IGC	IGC Pharma, Inc.	IGC	No	AMEX	4:00 PM	3
IGM	iShares Expanded Tech Sector ETF	IGM	No	NYSE Arca	4:00 PM	3
IGMS	IGM Biosciences, Inc.	IGMS	No	NASDAQ	4:00 PM	3
ILPT	INDUSTRIAL LOGISTICS PROPERTIES TRUST	ILPT	No	NASDAQ	4:00 PM	3
IMO	IMPERIAL OIL LTD.	IMO	No	AMEX	4:00 PM	3
IMUX	Immunic, Inc.	IMUX	No	NASDAQ	4:00 PM	3
INDL	Direxion Daily India Bull 3x ETF	INDL	No	NYSE Arca	4:00 PM	3
INTA	Intapp, Inc.	INTA	No	NASDAQ	4:00 PM	3
INTT	INTEST CORPORATION	INTT	No	AMEX	4:00 PM	3
IRON	DISC MEDICINE, INC.	IRON	No	NASDAQ	4:00 PM	3
IRT	Independence Realty Trust, Inc.	IRT	No	NYSE	4:00 PM	3
IRWD	Ironwood Pharmaceuticals Inc.	IRWD	No	NASDAQ	4:00 PM	3
ISPR	ISPIRE TECHNOLOGY, INC.	ISPR	No	NASDAQ	4:00 PM	3



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
ITOT	iShares Core S&P Total U.S. Stock Market ETF	ITOT	No	NYSE Arca	4:00 PM	3
ITRI	ITRON, INC.	ITRI	No	NASDAQ	4:00 PM	3
IVW	iShares S&P 500 Growth ETF	IVW	No	NYSE Arca	4:00 PM	3
IWB	iShares Russell 1000	IWB	No	NYSE Arca	4:00 PM	3
IWR	ISHARES RUSSELL MIDCAP INDEX FUND	IWR	No	NYSE Arca	4:00 PM	3
JLL	Jones Lang LaSalle Incorporated	JLL	No	NYSE	4:00 PM	3
JRVR	JAMES RIVER GROUP HOLDINGS LTD	JRVR	No	NASDAQ	4:00 PM	3
JYNT	JOINT CORP	JYNT	No	NASDAQ	4:00 PM	3
KBWB	PowerShares KBW Bank ETF	KBWB	No	NASDAQ	4:00 PM	3
KEX	KIRBY CORPORATION	KEX	No	NYSE	4:00 PM	3
KGS	KODIAK GAS SERVICES INC	KGS	No	NYSE	4:00 PM	3
KMT	Kennametal Inc.	KMT	No	NYSE	4:00 PM	3
KN	KNOWLES CORPORATION	KN	No	NYSE	4:00 PM	3
KNF	KNIFE RIVER CORP	KNF	No	NYSE	4:00 PM	3
KNOP	KNOT Offshore Partners LP	KNOP	No	NYSE	4:00 PM	3
KNSA	Kiniksa Pharmaceuticals, Ltd	KNSA	No	NASDAQ	4:00 PM	3
KOF	Coca-Cola Femsa SAB de CV	KOF	No	NYSE	4:00 PM	3
KRC	Kilroy Realty Corp.	KRC	No	NYSE	4:00 PM	3
KREF	KKR REAL ESTATE FINANCE TRUST INC.	KREF	No	NYSE	4:00 PM	3
KRON	KRONOS BIO INC	KRON	No	NASDAQ	4:00 PM	3
KURA	Kura Oncology, Inc.	KURA	No	NASDAQ	4:00 PM	3



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
KXIN	KAIXIN AUTO HOLDINGS	KXIN	No	NASDAQ	4:00 PM	3
KYN	Kayne Anderson MLP Investment Company	KYN	No	NYSE	4:00 PM	3
LAND	Gladstone Land Corporation	LAND	No	NASDAQ	4:00 PM	3
LECO	Lincoln Electric Holdings, Inc.	LECO	No	NASDAQ	4:00 PM	3
LFCR	Lifecore Biomedical, Inc.	LFCR	No	NASDAQ	4:00 PM	3
LGFA	Lions Gate Entertainment Corp.	LGFA	No	NYSE	4:00 PM	3
LGFB	Lions Gate Entertainment Corporation	LGFB	No	NYSE	4:00 PM	3
LII	LENNOX INTERNATIONAL, INC.	LII	No	NYSE	4:00 PM	3
LINC	Lincoln Educational Services Corporation	LINC	No	NASDAQ	4:00 PM	3
LIND	Lindblad Expeditions Holdings, Inc.	LIND	No	NASDAQ	4:00 PM	3
LMB	LIMBACH HOLDINGS, INC.	LMB	No	NASDAQ	4:00 PM	3
LNN	Lindsay Corporation	LNN	No	NYSE	4:00 PM	3
LNT	Alliant Energy Corporation	LNT	No	NASDAQ	4:00 PM	3
LODE	Comstock Mining, Inc.	LODE	No	AMEX	4:00 PM	3
LOMA	Loma Negra Cia Industrial Argentina SA	LOMA	No	NYSE	4:00 PM	3
LPRO	OPEN LENDING CORPORATION	LPRO	No	NASDAQ	4:00 PM	3
LSEA	LANDSEA HOMES CORPORATION	LSEA	No	NASDAQ	4:00 PM	3
LTH	LIFE TIME GROUP HOLDINGS, INC.	LTH	No	NYSE	4:00 PM	3
LTPZ	PIMCO 15+ Year U.S. TIPS Index Exchange-Traded Fnd	LTPZ	No	NYSE Arca	4:00 PM	3
LTRX	LANTRONIX, INC.	LTRX	No	NASDAQ	4:00 PM	3
LX	LexinFintech Holdings Ltd.	LX	No	NASDAQ	4:00 PM	3



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
LXU	LSB Industries Inc.	LXU	No	NYSE	4:00 PM	3
LYG	Lloyds Banking Group Plc	LYG	No	NYSE	4:00 PM	3
MAN	MANPOWERGROUP INC.	MAN	No	NYSE	4:00 PM	4
MC	Moelis & Company	MC	No	NYSE	4:00 PM	4
MCS	Marcus Corporation	MCS	No	NYSE	4:00 PM	4
MD	Mednax Inc.	MD	No	NYSE	4:00 PM	4
MDU	MDU RESOURCES GROUP INC.	MDU	No	NYSE	4:00 PM	4
MEOH	Methanex Corp.	MEOH	No	NASDAQ	4:00 PM	4
MEXX	DIREXION DAILY MSCI MEXICO BULL 3X SHARES	MEXX	No	NYSE Arca	4:00 PM	4
MGIC	Magic Software Enterprises Ltd	MGIC	No	NASDAQ	4:00 PM	4
MHO	M/I Homes Inc.	MHO	No	NYSE	4:00 PM	4
MIRM	MIRUM PHARMACEUTICALS, INC.	MIRM	No	NASDAQ	4:00 PM	4
MKSI	MKS Instruments, Inc.	MKSI	No	NASDAQ	4:00 PM	4
MLKN	MillerKnoll, Inc.	MLKN	No	NASDAQ	4:00 PM	4
MLTX	MOONLAKE IMMUNOTHERAPEUTICS	MLTX	No	NASDAQ	4:00 PM	4
MNY	MoneyHero Limited	MNY	No	NASDAQ	4:00 PM	4
MODV	ModivCare Inc.	MODV	No	NASDAQ	4:00 PM	4
MOGO	MOGO INC	MOGO	No	NASDAQ	4:00 PM	4
MPLN	MultiPlan Corporation	MPLN	No	NYSE	4:00 PM	4
MRAM	EVERSPIN TECHNOLOGIES, INC.	MRAM	No	NASDAQ	4:00 PM	4
MRCY	Mercury Systems, Inc.	MRCY	No	NASDAQ	4:00 PM	4



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
MRTN	Marten Transport, Ltd.	MRTN	No	NASDAQ	4:00 PM	4
MRVI	Maravai LifeSciences Holdings, Inc.	MRVI	No	NASDAQ	4:00 PM	4
MSGS	Madison Square Garden Sports Corporation	MSGS	No	NYSE	4:00 PM	4
MTG	MGIC INVESTMENT CORPORATION	MTG	No	NYSE	4:00 PM	4
MTH	MERITAGE HOMES CORPORATION	MTH	No	NYSE	4:00 PM	4
MTLS	MATERIALISE NV	MTLS	No	NASDAQ	4:00 PM	4
MTRX	Matrix Service Company	MTRX	No	NASDAQ	4:00 PM	4
MUFG	Mitsubishi UFJ Financial Group, Inc.	MUFG	No	NYSE	4:00 PM	4
MX	MagnaChip Semiconductor Corp.	MX	No	NYSE	4:00 PM	4
NAPA	DUCKHORN PORTFOLIO, INC.	NAPA	No	NYSE	4:00 PM	4
NATL	NCR ATLEOS, LLC	NATL	No	NYSE	4:00 PM	4
NDSN	Nordson Corporation	NDSN	No	NASDAQ	4:00 PM	4
NEOG	Neogen Corp	NEOG	No	NASDAQ	4:00 PM	4
NEWP	NEW PACIFIC METALS CORP	NEWP	No	AMEX	4:00 PM	4
NEWT	Newtek Business Services Corp	NEWT	No	NASDAQ	4:00 PM	4
NGG	National Grid PLC	NGG	No	NYSE	4:00 PM	4
NI	NISOURCE, INC	NI	No	NYSE	4:00 PM	4
NKTX	NKARTA INC	NKTX	No	NASDAQ	4:00 PM	4
NMRK	Newmark Group Inc.	NMRK	No	NASDAQ	4:00 PM	4
NOTE	FISCALNOTE HOLDINGS, INC.	NOTE	No	NYSE	4:00 PM	4
NR	Newpark Resources, Inc.	NR	No	NYSE	4:00 PM	4



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
NRDS	NERDWALLET, INC	NRDS	No	NASDAQ	4:00 PM	4
NRGV	EnergyVault Holdings, Inc.	NRGV	No	NYSE	4:00 PM	4
NRIX	NURIX THERAPEUTICS, INC.	NRIX	No	NASDAQ	4:00 PM	4
NRP	Natural Resource Partners L.P.	NRP	No	NYSE	4:00 PM	4
NRXP	NRX PHARMACEUTICALS, INC	NRXP	No	NASDAQ	4:00 PM	4
NSA	National Storage Affiliates	NSA	No	NYSE	4:00 PM	4
NSP	Insperity, Inc.	NSP	No	NYSE	4:00 PM	4
NUS	NU SKIN ENTERPRISES INC.	NUS	No	NYSE	4:00 PM	4
NUVB	NUVATION BIO INC COM	NUVB	No	NYSE	4:00 PM	4
NUVL	NUVALENT, INC.	NUVL	No	NASDAQ	4:00 PM	4
NVNO	enVVenno Medical Corporation	NVNO	No	NASDAQ	4:00 PM	4
NVRI	Enviri Corporation	NVRI	No	NYSE	4:00 PM	4
NWBI	Northwest Bancshares Inc.	NWBI	No	NASDAQ	4:00 PM	4
NWSA	NEWS CORPORATION	NWSA	No	NASDAQ	4:00 PM	4
NYMT	New York Mortgage Trust, Inc.	NYMT	No	NASDAQ	4:00 PM	4
OCEA	OCEAN BIOMEDICAL, INC.	OCEA	No	NASDAQ	4:00 PM	5
OCSL	Oaktree Specialty Lending Corporation	OCSL	No	NASDAQ	4:00 PM	5
ODP	The ODP Corporation	ODP	No	NASDAQ	4:00 PM	5
ODV	OSISKO DEVELOPMENT CORP	ODV	No	NYSE	4:00 PM	5
OEF	ISHARES S&P 100 ETF	OEF	No	NYSE Arca	4:15 PM	5
OIS	Oil States International, Inc.	OIS	No	NYSE	4:00 PM	5



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
OLO	OLO, INC.	OLO	No	NYSE	4:00 PM	5
OMCL	OMNICELL, INC	OMCL	No	NASDAQ	4:00 PM	5
OMGA	OMEGA THERAPEUTICS, INC.	OMGA	No	NASDAQ	4:00 PM	5
ONDS	ONDAS HOLDINGS, INC.	ONDS	No	NASDAQ	4:00 PM	5
ONTO	Onto Innovation Inc.	ONTO	No	NYSE	4:00 PM	5
OPRT	OPORTUN FINANCIAL CORP.	OPRT	No	NASDAQ	4:00 PM	5
OPY	Oppenheimer Holdings Inc.	OPY	No	NYSE	4:00 PM	5
ORAN	Orange SA	ORAN	No	NYSE	4:00 PM	5
ORN	Orion Marine Group, Inc.	ORN	No	NYSE	4:00 PM	5
OSK	Oshkosh Corporation	OSK	No	NYSE	4:00 PM	5
OSS	ONE STOP SYSTEMS, INC.	OSS	No	NASDAQ	4:00 PM	5
OVID	Ovid Therapeutics Inc.	OVID	No	NASDAQ	4:00 PM	5
PAR	PAR Technology Corporation	PAR	No	NYSE	4:00 PM	5
PARAA	Paramount Global	PARAA	No	NASDAQ	4:00 PM	5
PARR	Par Pacific Holdings, Inc.	PARR	No	NYSE	4:00 PM	5
PAVE	Global X U.S. Infrastructure Development ETF	PAVE	No	CBOE BZX	4:00 PM	5
PAX	PATRIA INVESTMENT LTD	PAX	No	NASDAQ	4:00 PM	5
PBA	Pembina Pipeline Corporation	PBA	No	NYSE	4:00 PM	5
PBPB	POTBELLY CORPORATION	PBPB	No	NASDAQ	4:00 PM	5
PBT	PERMIAN BASIN ROYALTY TRUST	PBT	No	NYSE	4:00 PM	5



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
PDBC	INVESCO OPTIMUM YIELD DIVER STARTEGY NOK-1 ETF	PDBC	No	NASDAQ	4:00 PM	5
PEB	Pebblebrook Hotel Trust	PEB	No	NYSE	4:00 PM	5
PESI	Perma-Fix Environmental Services, Inc.	PESI	No	NASDAQ	4:00 PM	5
PFLT	Pennantpark Floating Rate Capital Ltd	PFLT	No	NYSE	4:00 PM	5
PLTK	PLAYTIKA HOLDING CORP.	PLTK	No	NASDAQ	4:00 PM	5
PLX	Protalix BioTherapeutics Inc.	PLX	No	AMEX	4:00 PM	5
PNFP	Pinnacle Financial Partners, Inc.	PNFP	No	NASDAQ	4:00 PM	5
PNNT	PennantPark Investment Corp	PNNT	No	NYSE	4:00 PM	5
PPH	Market Vectors Pharmaceutical ETF	PPH	No	NASDAQ	4:00 PM	5
PPSI	PIONEER POWER SOLUTIONS, INC.	PPSI	No	NASDAQ	4:00 PM	5
PRA	ProAssurance Corporation	PRA	No	NYSE	4:00 PM	5
PRAA	PRA GROUP, INC.	PRAA	No	NASDAQ	4:00 PM	5
PRM	PERIMETER SOLUTIONSSA	PRM	No	NYSE	4:00 PM	5
PRO	Pros Holdings Inc.	PRO	No	NYSE	4:00 PM	5
PRPL	Purple Innovation, Inc.	PRPL	No	NASDAQ	4:00 PM	5
PRQR	ProQR Therapeutics N.V.	PRQR	No	NASDAQ	4:00 PM	5
PRTA	PROTHENA CORPORATION PLC	PRTA	No	NASDAQ	4:00 PM	5
PSMT	PriceSmart, Inc.	PSMT	No	NASDAQ	4:00 PM	5
PSNL	PERSONALIS, INC.	PSNL	No	NASDAQ	4:00 PM	5
PSTX	POSEIDA THERAPEUTICS, INC.	PSTX	No	NASDAQ	4:00 PM	5
PTGX	PROTAGONIST THERAPEUTICS, INC.	PTGX	No	NASDAQ	4:00 PM	5



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
PTN	PALATIN TECHNOLOGIES, INC.	PTN	No	AMEX	4:00 PM	5
PUMP	ProPetro Holding Corp.	PUMP	No	NYSE	4:00 PM	5
PXLW	PIXELWORKS, INC.	PXLW	No	NASDAQ	4:00 PM	5
PYXS	PYXIS ONCOLOGY, INC.	PYXS	No	NASDAQ	4:00 PM	5
QFIN	360 DIGITECH, INC.	QFIN	No	NASDAQ	4:00 PM	5
QIPT	QUIPT HOME MEDICAL CORP	QIPT	No	NASDAQ	4:00 PM	5
QQQJ	INVESCO NASDAQ NEXT GEN 100 ETF	QQQJ	No	NASDAQ	4:00 PM	5
QQQY	DEFIANCE NASDAQ 100 ENHANCED OPTIONS INCOME ETF	QQQY	No	NASDAQ	4:00 PM	5
QSI	Quantum-Si Incorporated	QSI	No	NASDAQ	4:00 PM	5
QTRX	QUANTERIX CORPORATION	QTRX	No	NASDAQ	4:00 PM	5
QTWO	Q2 Holdings, Inc.	QTWO	No	NYSE	4:00 PM	5
QUAD	Quad/Graphics, Inc.	QUAD	No	NYSE	4:00 PM	5
RDWR	RADWARE LTD.	RDWR	No	NASDAQ	4:00 PM	5
REFR	Research Frontiers Inc.	REFR	No	NASDAQ	4:00 PM	5
RENB	Renovaro Biosciences Inc.	RENB	No	NASDAQ	4:00 PM	5
REPL	REPLIMUNE GROUP, INC.	REPL	No	NASDAQ	4:00 PM	5
RES	RPC INC	RES	No	NYSE	4:00 PM	5
RETL	Direxion Daily Retail Bull 3X Shares	RETL	No	NYSE Arca	4:00 PM	5
RFIL	RF Industries, Ltd.	RFIL	No	NASDAQ	4:00 PM	5
RGA	Reinsurance Group of America Inc.	RGA	No	NYSE	4:00 PM	5
RGLS	REGULUS THERAPEUTICS INC.	RGLS	No	NASDAQ	4:00 PM	5



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
RGNX	REGENXBIO Inc.	RGNX	No	NASDAQ	4:00 PM	5
RLX	RLX TECHNOLOGY INC	RLX	No	NYSE	4:00 PM	5
RMTI	Rockwell Medical, Inc.	RMTI	No	NASDAQ	4:00 PM	5
RNR	RENAISSANCERE HOLDINGS LTD.	RNR	No	NYSE	4:00 PM	5
ROP	Roper Technologies, Inc.	ROP	No	NASDAQ	4:00 PM	5
RPAY	REPAY HOLDINGS CORP.	RPAY	No	NASDAQ	4:00 PM	5
RPM	RPM INTERNATIONAL, INC	RPM	No	NYSE	4:00 PM	5
RVPH	REVIVA PHARMACEUTICALS HOLDINGS, INC.	RVPH	No	NASDAQ	4:00 PM	5
RWAY	RUNWAY GROWTH FINANCE CORP.	RWAY	No	NASDAQ	4:00 PM	5
RWM	ProShares Short Russell2000	RWM	No	NYSE Arca	4:00 PM	5
RYAAY	Ryanair Holdings plc	RYAAY	No	NASDAQ	4:00 PM	5
RYAN	RYAN SPECIALITY GROUP	RYAN	No	NYSE	4:00 PM	5
RYLD	GLOBAL X FDS RUSSELL 2000	RYLD	No	NYSE Arca	4:00 PM	5
SAIC	Science Applications International Corporation	SAIC	No	NASDAQ	4:00 PM	5
SBEV	SPLASH BEVERAGE GROUP, INC.	SBEV	No	AMEX	4:00 PM	5
SBH	Sally Beauty Holdings Inc.	SBH	No	NYSE	4:00 PM	5
SCHB	Schwab US Broad Market ETF	SCHB	No	NYSE Arca	4:00 PM	5
SCM	Stellus Capital Investment Corp	SCM	No	NYSE	4:00 PM	5
SCPH	SCPHARMACEUTICALS, INC.	SCPH	No	NASDAQ	4:00 PM	5
SCYX	SCYNEXIS, Inc.	SCYX	No	NASDAQ	4:00 PM	5
SD	SandRidge Energy, Inc.	SD	No	NYSE	4:00 PM	5



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
SEMR	SEMRUSH HOLDINGS, INC.	SEMR	No	NYSE	4:00 PM	5
SF	Stifel Financial Corp.	SF	No	NYSE	4:00 PM	5
SGHC	Super Group	SGHC	No	NYSE	4:00 PM	5
SGHT	SIGHT SCIENCES, INC.	SGHT	No	NASDAQ	4:00 PM	5
SGOL	ETFS Physical Swiss Gold Shares ETF	SGOL	No	NYSE Arca	4:00 PM	5
SHOO	STEVEN MADDEN, LTD.	SHOO	No	NASDAQ	4:00 PM	5
SIEB	Siebert Financial Corp	SIEB	No	NASDAQ	4:00 PM	5
SITM	SITIME CORP	SITM	No	NASDAQ	4:00 PM	5
SJT	San Juan Basin Royalty Trust	SJT	No	NYSE	4:00 PM	5
SLAB	SILICON LABORATORIES INC.	SLAB	No	NASDAQ	4:00 PM	5
SLP	Simulations Plus, Inc.	SLP	No	NASDAQ	4:00 PM	5
SLRN	ACELYRIN INC	SLRN	No	NASDAQ	4:00 PM	5
SMSI	Smith Micro Software, Inc.	SMSI	No	NASDAQ	4:00 PM	5
SNCR	Synchronoss Technologies, Inc.	SNCR	No	NASDAQ	4:00 PM	5
SNCY	SUN COUNTRY AIRLINES HOLDINGS, INC.	SNCY	No	NASDAQ	4:00 PM	5
SND	Smart Sand, Inc.	SND	No	NASDAQ	4:00 PM	5
SEI	Solaris Energy Infrastructure, Inc.	SEI	No	NYSE	4:00 PM	5
SOYB	Teucrium Soybean ETF	SOYB	No	NYSE Arca	4:00 PM	5
SPH	Suburban Propane Partners, L.P.	SPH	No	NYSE	4:00 PM	5
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	SPHD	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
SPRB	SPRUCE BIOSCIENCES, INC.	SPRB	No	NASDAQ	4:00 PM	5
SPSM	SPDR Portfolio S&P 600 Small Cap ETF	SPSM	No	NYSE Arca	4:00 PM	5
SPTN	Spartan Stores, Inc.	SPTN	No	NASDAQ	4:00 PM	5
SPXC	SPX Corporation	SPXC	No	NYSE	4:00 PM	5
SRI	Stoneridge, Inc.	SRI	No	NYSE	4:00 PM	5
SRRK	SCHOLAR ROCK HOLDING CORP.	SRRK	No	NASDAQ	4:00 PM	5
SRS	ProShares UltraShort Real Estate	SRS	No	NYSE Arca	4:00 PM	5
SSB	South State Corporation	SSB	No	NYSE	4:00 PM	5
SSD	Simpson Manufacturing Co., Inc.	SSD	No	NYSE	4:00 PM	5
SSP	The E. W. Scripps Company	SSP	No	NASDAQ	4:00 PM	5
SST	System1, Inc.	SST	No	NYSE	4:00 PM	5
STAG	STAG Industrial, Inc.	STAG	No	NYSE	4:00 PM	5
STE	STERIS Corp.	STE	No	NYSE	4:00 PM	5
STEP	STEPSTONE GROUP INC	STEP	No	NASDAQ	4:00 PM	5
STGW	Stagwell Inc.	STGW	No	NASDAQ	4:00 PM	5
STKL	SunOpta Inc.	STKL	No	NASDAQ	4:00 PM	5
STKS	ONE GROUP HOSPITALITY, INC.	STKS	No	NASDAQ	4:00 PM	5
STOK	STOKE THERAPEUTICS, INC.	STOK	No	NASDAQ	4:00 PM	5
STR	Sitio Royalties Corporation	STR	No	NYSE	4:00 PM	5
STRO	SUTRO BIOPHARMA, INC.	STRO	No	NASDAQ	4:00 PM	5
STTK	SHATTUCK LABS, INC.	STTK	No	NASDAQ	4:00 PM	5



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
SUI	Sun Communities, Inc.	SUI	No	NYSE	4:00 PM	5
SUM	Summit Materials, Inc.	SUM	No	NYSE	4:00 PM	5
SVC	Service Properties Trust	SVC	No	NASDAQ	4:00 PM	5
SVOL	SIMPLITY ETFVOL PREM	SVOL	No	NYSE Arca	4:00 PM	5
SWTX	SPRINGWORKSTHERAPEUTICS INC	SWTX	No	NASDAQ	4:00 PM	5
TAK	Takeda Pharmaceutical Company Limited	TAK	No	NYSE	4:00 PM	6
TALK	Talkspace, Inc.	TALK	No	NASDAQ	4:00 PM	6
TARK	AXS 2X INNOVATION ETF	TARK	No	NASDAQ	4:00 PM	6
TDUP	THREDUP INC	TDUP	No	NASDAQ	4:00 PM	6
TEF	TELEFONICA S.A.	TEF	No	NYSE	4:00 PM	6
TFII	TFI INTERNATIONAL INC.	TFII	No	NYSE	4:00 PM	6
TFIN	Triumph Financial Inc.	TFIN	No	NASDAQ	4:00 PM	6
TFSL	TFS Financial Corporation	TFSL	No	NASDAQ	4:00 PM	6
TGI	Triumph Group, Inc.	TGI	No	NYSE	4:00 PM	6
TIPT	TIPTREE INC.	TIPT	No	NASDAQ	4:00 PM	6
TKR	TIMKEN COMPANY	TKR	No	NYSE	4:00 PM	6
TLH	iShares 10-20 Year Treasury Bond ETF	TLH	No	NYSE Arca	4:00 PM	6
TLS	TELOS CORPORATION	TLS	No	NASDAQ	4:00 PM	6
TLYS	Tilly's Inc.	TLYS	No	NYSE	4:00 PM	6
TNL	Travel + Leisure Co.	TNL	No	NYSE	4:00 PM	6
TNYA	TENAYA THERAPEUTICS, INC.	TNYA	No	NASDAQ	4:00 PM	6



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
TOON	Kartoon Studios, Inc.	TOON	No	AMEX	4:00 PM	6
TPH	TRI POINTE HOMES, INC.	TPH	No	NYSE	4:00 PM	6
TPVG	TriplePoint Venture Growth BDC Corp.	TPVG	No	NYSE	4:00 PM	6
TRI	Thomson Reuters Corporation	TRI	No	NYSE	4:00 PM	6
TRIN	TRINITY CAPITAL, INC.	TRIN	No	NASDAQ	4:00 PM	6
TRMK	Trustmark Corporation	TRMK	No	NASDAQ	4:00 PM	6
TRTX	TPG RE Finance Trust, Inc.	TRTX	No	NYSE	4:00 PM	6
TSAT	Telesat Corporation	TSAT	No	NASDAQ	4:00 PM	6
TSE	Trinseo S.A.	TSE	No	NYSE	4:00 PM	6
TSLX	Sixth Street Specialty Lending, Inc.	TSLX	No	NYSE	4:00 PM	6
TSVT	2SEVENTY BIO, INC.	TSVT	No	NASDAQ	4:00 PM	6
TTEC	TTEC Holdings, Inc.	TTEC	No	NASDAQ	4:00 PM	6
TUA	SIMPLIFY SHORT TERM TREASURY FUTURES STRATEGY ETF	TUA	No	NYSE Arca	4:00 PM	6
TUSK	Mammoth Energy Services Inc.	TUSK	No	NASDAQ	4:00 PM	6
TWKS	THOUGHTWORKS HOLDINGS	TWKS	No	NASDAQ	4:00 PM	6
TWM	Proshares UltrShort Russell 2000(reverse split)	TWM	No	NYSE Arca	4:00 PM	6
TYD	Direxion Daily 7 to 10 Year Treasury Bull 3X Shrs	TYD	No	NYSE Arca	4:00 PM	6
UAVS	AGEAGLE AERIAL SYSTEM INC.	UAVS	No	AMEX	4:00 PM	6
UCTT	Ultra Clean Holdings, Inc.	UCTT	No	NASDAQ	4:00 PM	6
UGA	United States Gasoline	UGA	No	NYSE Arca	4:00 PM	6
UIS	UNISYS CORPORATION	UIS	No	NYSE	4:00 PM	6



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
UPLD	Upland Software, Inc.	UPLD	No	NASDAQ	4:00 PM	6
USAU	U.S. GOLD CORP.	USAU	No	NASDAQ	4:00 PM	6
USMV	iShares MSCI USA Minimum Volatility	USMV	No	CBOE BZX	4:00 PM	6
UTI	Universal Technical Institute, Inc.	UTI	No	NYSE	4:00 PM	6
UVE	UNIVERSAL INSURANCE HOLDINGS, INC.	UVE	No	NYSE	4:00 PM	6
UYG	ProShares Ultra Financials	UYG	No	NYSE Arca	4:00 PM	6
VB	Vanguard Small-Cap ETF	VB	No	NYSE Arca	4:00 PM	6
VC	Visteon Corp.	VC	No	NASDAQ	4:00 PM	6
VCEL	Vericel Corporation	VCEL	No	NASDAQ	4:00 PM	6
VCLT	Vanguard Long-Term Corporate Bond ETF	VCLT	No	NASDAQ	4:00 PM	6
VDE	Vanguard Energy ETF	VDE	No	NYSE Arca	4:00 PM	6
VEA	Vanguard FTSE Developed Markets ETF	VEA	No	NYSE Arca	4:00 PM	6
VERA	VERA THERAPEUTICS INC.	VERA	No	NASDAQ	4:00 PM	6
VIAV	Viavi Solutions Inc.	VIAV	No	NASDAQ	4:00 PM	6
VLRS	Controladora Vuela Compañía de Aviación, S.A.B. de C.V.	VLRS	No	NYSE	4:00 PM	6
VNT	VONTIER CORP	VNT	No	NYSE	4:00 PM	6
VOC	Voc Energy Trust	VOC	No	NYSE	4:00 PM	6
VOXX	VOXX International Corporation	VOXX	No	NASDAQ	4:00 PM	6
VOYA	VOYA FINANCIAL INC.	VOYA	No	NYSE	4:00 PM	6
VRA	Vera Bradley, Inc.	VRA	No	NASDAQ	4:00 PM	6
VREX	Varex Imaging Corporation	VREX	No	NASDAQ	4:00 PM	6



MIAX Sapphire™ Options Exchange

Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
VRRM	VERRA MOBILITY CORP.	VRRM	No	NASDAQ	4:00 PM	6
VSH	VISHAY INTERTECHNOLOGY	VSH	No	NYSE	4:00 PM	6
VTGN	VISTAGEN THERAPEUTICS, INC.	VTGN	No	NASDAQ	4:00 PM	6
VTS	VITESSE ENERGY, INC.	VTS	No	NYSE	4:00 PM	6
VTV	Vanguard Value ETF	VTV	No	NYSE Arca	4:00 PM	6
VXUS	Vanguard Total International Stock ETF	VXUS	No	NASDAQ	4:00 PM	6
VXZ	iPath Series B S&P 500 VIX Mid-Term Futures ETN	VXZ	No	CBOE BZX	4:15 PM	6
VYGR	Voyager Therapeutics, Inc.	VYGR	No	NASDAQ	4:00 PM	6
VYX	NCR Voyix Corporation	VYX	Yes	NYSE	4:00 PM	6
WAFD	WASHINGTON FEDERAL INC.	WAFD	No	NASDAQ	4:00 PM	6
WDS	WOODSIDE ENERGY GROUP LTD	WDS	No	NYSE	4:00 PM	6
WEAV	WEAVE COMMUNICATIONS, INC.	WEAV	No	NYSE	4:00 PM	6
WEBL	DIREXION DAILY DOW JONES INTERNET BULL 3X SHARES	WEBL	No	NYSE Arca	4:00 PM	6
WIT	WIPRO LTD.	WIT	No	NYSE	4:00 PM	6
WNC	WABASH NATIONAL CORP.	WNC	No	NYSE	4:00 PM	6
WSO	WATSCO INC	WSO	No	NYSE	4:00 PM	6
WTRG	Essential Utilities, Inc.	WTRG	No	NYSE	4:00 PM	6
WTTR	Select Energy Services, Inc.	WTTR	No	NYSE	4:00 PM	6
XELA	EXELA TECHNOLOGIES INC	XELA	No	NASDAQ	4:00 PM	6
XENE	Xenon Pharmaceuticals Inc.	XENE	No	NASDAQ	4:00 PM	6
XNET	Xunlei Limited	XNET	No	NASDAQ	4:00 PM	6



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Security Symbol	Security Name	Option Class	Penny Program	Exchange for Opening	Closing Time	Cloud
YRD	Yirendai Ltd.	YRD	No	NYSE	4:00 PM	7
YY	YY INC.	YY	No	NASDAQ	4:00 PM	7
ZNTL	ZENTALIS PHARMACEUTICALS, INC.	ZNTL	No	NASDAQ	4:00 PM	7
ZVIA	ZEVIAPBC	ZVIA	No	NYSE	4:00 PM	7
ZYME	Zymeworks Inc	ZYME	No	NASDAQ	4:00 PM	7

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