



The option classes listed below will begin trading on the MIAX Options Exchange at the start of trading on **Monday, August 2, 2021**. All option classes on MIAX Options have an allocation style of Pro-Rata and billing style of Conventional.

Security Symbol	Security Name	Option Class	Penny Pilot	Exchange for Opening	Closing Time	PLMM	Cloud
ACVA	ACV AUCTIONS INC	ACVA	No	NASDAQ	4:00	Wolverine Trading, LLC	1
AEMD	AETHLON MEDICAL, INC.	AEMD	No	NASDAQ	4:00	Wolverine Trading, LLC	1
AJRD	Aerojet Rocketdyne Holdings, Inc.	AJRD	No	NYSE	4:00	Citadel Securities, LLC	1
AMR	Alpha Metallurgical Resources, Inc.	AMR	No	NYSE	4:00	Citadel Securities, LLC	1
AMSWA	American Software Inc.	AMSWA	No	NASDAQ	4:00	Susquehanna Securities	1
ARAV	Aravive, Inc.	ARAV	No	NASDAQ	4:00	Susquehanna Securities	1
ARC	ARC Document Solutions, Inc.	ARC	No	NYSE	4:00	Wolverine Trading, LLC	1
ATHA	ATHIRA PHARMA, INC.	ATHA	No	NASDAQ	4:00	Citadel Securities, LLC	1
AVNW	AVIAT NETWORKS INC	AVNW	No	NASDAQ	4:00	Wolverine Trading, LLC	1
AXLA	AXCELLA HEALTH, INC.	AXLA	No	NASDAQ	4:00	Citadel Securities, LLC	1
BLRX	BIOLINE RXLTD	BLRX	No	NASDAQ	4:00	Susquehanna Securities	2
BNL	Broadstone Net Lease, Inc.	BNL	No	NYSE	4:00	Citadel Securities, LLC	2
BUG	GLOBAL X CYBER SECURITY	BUG	No	NASDAQ	4:00	Wolverine Trading, LLC	2
BYSI	BEYONDSRING INC.	BYSI	No	NASDAQ	4:00	Susquehanna Securities	2
CBLI	CLEVELAND BIOLABS, INC.	CBLI	No	NASDAQ	4:00	Citadel Securities, LLC	3
CCCC	C4 THERAPEUTICS, INC.	CCCC	No	NASDAQ	4:00	Susquehanna Securities	3
CERE	CEREVEL THERAPEUTICS HOLDINGS, INC	CERE	No	NASDAQ	4:00	Susquehanna Securities	3
CKPT	CHECKPOINT THERAPEUTICS, INC.	CKPT	No	NASDAQ	4:00	Susquehanna Securities	3
CLPT	CLEARPOINT NEURO INC	CLPT	No	NASDAQ	4:00	Morgan Stanley	3
CRC	CALIFORNIA RESOURCES CORP	CRC	No	NYSE	4:00	Wolverine Trading, LLC	3
CTRM	CASTOR MARITIME, INC.	CTRM	No	NASDAQ	4:00	Citadel Securities, LLC	3
CTXR	CITIUS PHARMACEUTICALS INC	CTXR	No	NASDAQ	4:00	Citadel Securities, LLC	3



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CWEB	Direxion Daily CSI China Internet Index Bull 2x Shares	CWEB	No	NYSE Arca	4:00	Citadel Securities, LLC	3
DEA	Easterly Government Properties, Inc.	DEA	No	NYSE	4:00	Citadel Securities, LLC	4
DEN	DENBURY INC.	DEN	No	NYSE	4:00	Citadel Securities, LLC	4
DLO	DLOCAL, LTD	DLO	No	NASDAQ	4:00	Wolverine Trading, LLC	4
DNUT	KRISPY KREME, INC	DNUT	No	NASDAQ	4:00	Citadel Securities, LLC	4
DOMA	Doma Holdings, Inc.	DOMA	No	NYSE	4:00	Susquehanna Securities	4
DPST	DIREXION DAILY REGIONAL BANKS BULL 3X SHARES	DPST	No	NYSE Arca	4:00	Morgan Stanley	4
DRIO	DARIOHEALTH CORP	DRIO	No	NASDAQ	4:00	Wolverine Trading, LLC	4
DV	DOUBLEVERIFY HOLDINGS INC	DV	No	NYSE	4:00	Wolverine Trading, LLC	4
EGLX	ENTHUSIAST GAMING HOLDINGS INC	EGLX	No	NASDAQ	4:00	Citadel Securities, LLC	5
ENTX	ENTERA BIO LTD.	ENTX	No	NASDAQ	4:00	Citadel Securities, LLC	5
EVLO	EVELO BIOSCIENCES, INC.	EVLO	No	NASDAQ	4:00	Citadel Securities, LLC	5
FBRX	FORTE BIOSCIENCES INC.	FBRX	No	NASDAQ	4:00	Susquehanna Securities	6
FRHC	FREEDOM HOLDING CORP.	FRHC	No	NASDAQ	4:00	Susquehanna Securities	6
FUL	FULLER (H.B.) CO	FUL	No	NYSE	4:00	Wolverine Trading, LLC	6
FWRD	Forward Air Corporation	FWRD	No	NASDAQ	4:00	Citadel Securities, LLC	6
FYBR	FRONTIER COMMUNICATIONS PARENT, INC	FYBR	No	NASDAQ	4:00	Wolverine Trading, LLC	6
GDYN	GRID DYNAMICS HOLDINGS, INC.	GDYN	No	NASDAQ	4:00	Susquehanna Securities	7
GLBS	GLOBUS MARITIME LIMITED	GLBS	No	NASDAQ	4:00	Susquehanna Securities	7
GNPK	Genesis Park Acquisition Corp.	GNPK	No	NYSE	4:00	Citadel Securities, LLC	7
GOED	1847 GOEDEKER INC	GOED	No	AMEX	4:00	Susquehanna Securities	7
GRAY	GRAYBUG VISION INC	GRAY	No	NASDAQ	4:00	Susquehanna Securities	7
GROY	GOLD ROYALTY CORP.	GROY	No	AMEX	4:00	Wolverine Trading, LLC	7
GSAH	GS Acquisition Holdings Corp II	GSAH	Yes	NYSE	4:00	Citadel Securities, LLC	7



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GTX	Garrett Motion Inc.	GTX	No	NASDAQ	4:00	Wolverine Trading, LLC	7
GWAC	Vintage Wine Estates, Inc.	GWAC	No	NASDAQ	4:00	Susquehanna Securities	7
HCI	HCI Group, Inc.	HCI	No	NYSE	4:00	Morgan Stanley	8
HDV	iShares Core High Dividend ETF	HDV	No	NYSE Arca	4:00	Wolverine Trading, LLC	8
HITI	HIGH TIDE, INC.	HITI	No	NASDAQ	4:00	Susquehanna Securities	8
HUT	HUT 8 MINING CORP	HUT	No	NASDAQ	4:00	Citadel Securities, LLC	8
ICF	iShares Cohen & Steers REIT ETF	ICF	No	BATS	4:00	Wolverine Trading, LLC	9
IIIN	INSTEEL INDUSTRIES INC	IIIN	No	NYSE	4:00	Susquehanna Securities	9
INMB	IMMUNE BIO INC	INMB	No	NASDAQ	4:00	Morgan Stanley	9
INSE	INSPIRED ENTERTAINMENT, INC.	INSE	No	NASDAQ	4:00	Wolverine Trading, LLC	9
JFIN	JIAYIN GROUP INC.	JFIN	No	NASDAQ	4:00	Susquehanna Securities	10
KMDA	KAMADA LTD	KMDA	No	NASDAQ	4:00	Susquehanna Securities	10
LDL	Lydall, Inc.	LDL	No	NYSE	4:00	Citadel Securities, LLC	11
LEAP	RIBBIT LEAP LIMITED	LEAP	No	NYSE	4:00	Susquehanna Securities	11
LMAT	LeMaitre Vascular Inc.	LMAT	No	NASDAQ	4:00	Susquehanna Securities	11
LMNL	LIMINAL BIOSCIENCES INC.	LMNL	No	NASDAQ	4:00	Susquehanna Securities	11
LUNG	PULMONX CORP	LUNG	No	NASDAQ	4:00	Citadel Securities, LLC	11
MIXT	MIX TELEMATICS LTD	MIXT	No	NYSE	4:00	Susquehanna Securities	12
MMAT	Meta Materials Inc.	MMAT	No	NASDAQ	4:00	Susquehanna Securities	12
MRIN	MARIN SOFTWARE INCORPORATED	MRIN	No	NASDAQ	4:00	Susquehanna Securities	12
MRTN	Marten Transport, Ltd.	MRTN	No	NASDAQ	4:00	Wolverine Trading, LLC	12
MYPS	PLAYSTUDIOS, Inc.	MYPS	No	NASDAQ	4:00	Citadel Securities, LLC	12
NEBC	NEBULA CARAVEL ACQUISITION CORP.	NEBC	No	NASDAQ	4:00	Wolverine Trading, LLC	13
NOVN	NOVAN, INC.	NOVN	No	NASDAQ	4:00	Citadel Securities, LLC	13
NRBO	NEUROBO PHARMACEUTICALS INC	NRBO	No	NASDAQ	4:00	Susquehanna Securities	13



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OCFT	ONECONNECT FINANCIAL TECHNOLOGY CO LTD	OCFT	No	NYSE	4:00	Citadel Securities, LLC	14
OCUP	OCUPHIRE PHARMA, INC.	OCUP	No	NASDAQ	4:00	Citadel Securities, LLC	14
OGN	Organon & Co.	OGN	No	NYSE	4:00	Susquehanna Securities	14
OLO	OLO, INC.	OLO	No	NYSE	4:00	Citadel Securities, LLC	14
OMAB	GRUPO AEROPORTUARIO DEL CENTRO NORTE SAB DE CV	OMAB	No	NASDAQ	4:00	Susquehanna Securities	14
OPFI	OppFi Inc.	OPFI	No	NYSE	4:00	Citadel Securities, LLC	14
ORLA	ORLA MINING LTD	ORLA	No	AMEX	4:00	Susquehanna Securities	14
OWLT	Owlet, Inc.	OWLT	No	NYSE	4:00	Wolverine Trading, LLC	14
PASG	Passage Bio, Inc.	PASG	No	NASDAQ	4:00	Susquehanna Securities	14
PEJ	INVESCO DYNAMIC LEISURE & ENTERTAINMENT ETF	PEJ	No	NYSE Arca	4:00	Wolverine Trading, LLC	14
PRPH	PROPHASE LABS, INC	PRPH	No	NASDAQ	4:00	Susquehanna Securities	14
PRPO	PRECIPIO INC	PRPO	No	NASDAQ	4:00	Susquehanna Securities	14
PUBM	PUBMATIC INC	PUBM	No	NASDAQ	4:00	Wolverine Trading, LLC	14
PWP	Perella Weinberg Partners	PWP	No	NASDAQ	4:00	Citadel Securities, LLC	14
QRHC	QUEST RESOURCE HOLDING CORPORATION	QRHC	No	NASDAQ	4:00	Wolverine Trading, LLC	15
QTS	QTS Realty Trust Inc.	QTS	No	NYSE	4:00	Citadel Securities, LLC	15
QUMU	QUMU CORPORATION	QUMU	No	NASDAQ	4:00	Citadel Securities, LLC	15
RAVN	Raven Industries, Inc.	RAVN	No	NASDAQ	4:00	Susquehanna Securities	15
RCEL	Avita Therapeutics, Inc.	RCEL	No	NASDAQ	4:00	Wolverine Trading, LLC	15
RCON	RECON TECHNOLOGY LTD.	RCON	No	NASDAQ	4:00	Citadel Securities, LLC	15
REE	REE Automotive Ltd.	REE	No	NASDAQ	4:00	Susquehanna Securities	15
RFL	RAFAEL HOLDINGS, INC.	RFL	No	NYSE	4:00	Citadel Securities, LLC	15
RICE	RICE ACQUISITION CORP	RICE	No	NYSE	4:00	Wolverine Trading, LLC	15
SAIL	SOFTWARE ACQUISITION GROUP, INC. II	SAIL	No	NASDAQ	4:00	Citadel Securities, LLC	16

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SGFY	SIGNIFY HEALTH INC	SGFY	No	NYSE	4:00	Citadel Securities, LLC	16
SHEN	SHENANDOAH TELECOMMUNICATIONS CO	SHEN	No	NASDAQ	4:00	Wolverine Trading, LLC	16
SJR	Shaw Communications, Inc.	SJR	No	NYSE	4:00	Citadel Securities, LLC	16
SNP	CHINA PETROLEUM AND CHEMICAL CORP	SNP	No	NYSE	4:00	Wolverine Trading, LLC	16
SRNG	SOARING EAGLE ACQUISITION CORP	SRNG	No	NASDAQ	4:00	Citadel Securities, LLC	16
SYKE	SYKES ENTERPRISES	SYKE	No	NASDAQ	4:00	Susquehanna Securities	16
TALK	Talkspace, Inc.	TALK	No	NASDAQ	4:00	Wolverine Trading, LLC	17
TBLA	Taboola.com, Ltd.	TBLA	No	NASDAQ	4:00	Wolverine Trading, LLC	17
TPVG	Triplepoint Venture Growth B	TPVG	No	NYSE	4:00	Susquehanna Securities	17
TREB	TREBIA ACQUISITION CORP.	TREB	No	NYSE	4:00	Citadel Securities, LLC	17
TUEM	TUESDAY MORNING CORPORATION	TUEM	No	NASDAQ	4:00	Citadel Securities, LLC	17
ULCC	Frontier Group Holdings, Inc.	ULCC	No	NASDAQ	4:00	Wolverine Trading, LLC	18
UP	Wheels Up Experience Inc.	UP	No	NYSE	4:00	Susquehanna Securities	18
USCR	U.S. Concrete Inc.	USCR	No	NASDAQ	4:00	Susquehanna Securities	18
VACQ	VECTOR ACQUISITION CORPORATION	VACQ	No	NASDAQ	4:00	Susquehanna Securities	19
VMEO	Vimeo, Inc.	VMEO	No	NASDAQ	4:00	Citadel Securities, LLC	19
VOLT	Volt Information Sciences, Inc.	VOLT	No	AMEX	4:00	Wolverine Trading, LLC	19
VVOS	VIVOS THERAPEUTICS, INC.	VVOS	No	NASDAQ	4:00	Citadel Securities, LLC	19
WFRD	WEATHERFORD INTERNATIONAL PLC	WFRD	No	NASDAQ	4:00	Susquehanna Securities	19
WKEY	WISEKEY INTERNATIONAL HOLDING LTD.	WKEY	No	NASDAQ	4:00	Citadel Securities, LLC	19
WLTW	Willis Towers Watson Public Limited Company	WLTW	No	NASDAQ	4:00	Citadel Securities, LLC	19
ZIP	ZIPRECRUITER, INC	ZIP	No	NYSE	4:00	Susquehanna Securities	21

Please contact MIAX Options Listings with any questions.

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