



The option classes listed below will begin trading on the MIAX Options Exchange at the start of trading on **Thursday, December 23, 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
ADIL	ADIAL PHARMACEUTICALS, INC	ADIL	No	NASDAQ	4:00	Susquehanna Securities	1
AKUS	AKOUOS INC	AKUS	No	NASDAQ	4:00	Citadel Securities, LLC	1
ALPP	ALPINE 4 HOLDINGS, INC.	ALPP	No	NASDAQ	4:00	Wolverine Trading, LLC	1
AMPL	AMPLITUDE INC	AMPL	No	NASDAQ	4:00	Wolverine Trading, LLC	1
ARCE	ARCO PLATFORM LTD.	ARCE	No	NASDAQ	4:00	Citadel Securities, LLC	1
ATMR	ALTIMAR ACQUISITION CORP. II	ATMR	No	NYSE	4:00	Wolverine Trading, LLC	1
AVDX	AVIDXCHANGE HOLDINGS INC	AVDX	No	NASDAQ	4:00	Citadel Securities, LLC	1
BBAI	BigBear.ai Holdings, Inc. (old GIG)	BBAI	No	NYSE	4:00	Citadel Securities, LLC	2
BDRY	BREAKWAVE DRY BULK SHIPPING ETF	BDRY	No	NYSE Arca	4:00	Wolverine Trading, LLC	2
BENE	BENESSERE CAPITAL ACQUISITION CORP	BENE	No	NASDAQ	4:00	Citadel Securities, LLC	2
BRAG	BRAGG GAMING GROUP INC.	BRAG	No	NASDAQ	4:00	Susquehanna Securities	2
BTRS	BTRS HOLDINGS INC.	BTRS	No	NASDAQ	4:00	Susquehanna Securities	2
CCV	CHURCHILL CAPITAL CORP. V	CCV	No	NYSE	4:00	Citadel Securities, LLC	3
CND	CONCORD ACQUISITION CORP	CND	No	NYSE	4:00	Morgan Stanley	3
CNMD	CONMED CORP.	CNMD	No	NYSE	4:00	Wolverine Trading, LLC	3
CONE	CyrusOne Inc.	CONE	No	NASDAQ	4:00	Susquehanna Securities	3
COR	Coresite Realty Corp.	COR	No	NYSE	4:00	Susquehanna Securities	3
CPLG	COREPOINT LODGING INC	CPLG	No	NYSE	4:00	Susquehanna Securities	3
CPUH	COMPUTE HEALTH ACQUISITION CORP.	CPUH	No	NYSE	4:00	Wolverine Trading, LLC	3
CRHC	COHN ROBBINS HOLDINGS CORPORATION	CRHC	No	NYSE	4:00	Susquehanna Securities	3
CRU	CRUCIBLE ACQUISITION CORP.	CRU	No	NYSE	4:00	Wolverine Trading, LLC	3
DOGZ	DOGNESS INTERNATIONAL CORPORATION	DOGZ	No	NASDAQ	4:00	Susquehanna Securities	4



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DPRO	DRAGANFLY INC	DPRO	No	NASDAQ	4:00	Citadel Securities, LLC	4
DSGX	DESCARTES SYSTEM GROUP INC	DSGX	No	NASDAQ	4:00	Susquehanna Securities	4
DXLG	DESTINATION XL GROUP, INC.	DXLG	No	NASDAQ	4:00	Wolverine Trading, LLC	4
ECOL	Ecology Inc	ECOL	No	NASDAQ	4:00	Wolverine Trading, LLC	5
EVOP	EVO PAYMENTS INC	EVOP	No	NASDAQ	4:00	Susquehanna Securities	5
EVTL	Vertical Aerospace Ltd.	EVTL	No	NYSE	4:00	Citadel Securities, LLC	5
FCUV	FOCUS UNIVERSAL INC	FCUV	No	NASDAQ	4:00	Wolverine Trading, LLC	6
FINX	GLOBAL X FINTECH ETF	FINX	No	NASDAQ	4:00	Citadel Securities, LLC	6
FXLV	F45 TRAINING HOLDINGS, INC.	FXLV	No	NYSE	4:00	Citadel Securities, LLC	6
GCP	GCP Applied Technologies Inc	GCP	No	NYSE	4:00	Susquehanna Securities	7
GDP	GOODRICH PETROLEUM CORPORATION	GDP	No	AMEX	4:00	Susquehanna Securities	7
GREE	GREENIDGE GENERATION HOLDINGS INC	GREE	No	NASDAQ	4:00	Wolverine Trading, LLC	7
GROM	GROM SOCIAL ENTERPRISES, INC.	GROM	No	NASDAQ	4:00	Susquehanna Securities	7
GSS	GOLDEN STAR RESOURCES LTD	GSS	No	AMEX	4:00	Susquehanna Securities	7
HIVE	HIVE BLOCKCHAIN TECHNOLOGIES LTD.	HIVE	No	NASDAQ	4:00	Morgan Stanley	8
HJEN	DIREXION HYDROGEN ETF	HJEN	No	NYSE Arca	4:00	Susquehanna Securities	8
IIIV	I3 VERTICALS INC	IIIV	No	NASDAQ	4:00	Wolverine Trading, LLC	9
IMCC	IM CANNABIS CORP	IMCC	No	NASDAQ	4:00	Susquehanna Securities	9
IVAN	IVANHOE CAPITAL ACQUISITION CORP.	IVAN	No	NYSE	4:00	Wolverine Trading, LLC	9
JOBS	51 Jobs Inc	JOBS	No	NASDAQ	4:00	Susquehanna Securities	10
JXN	JACKSON FINANCIAL INCORPORATION	JXN	No	NYSE	4:00	Wolverine Trading, LLC	10
KBNT	KUBIENT INC	KBNT	No	NASDAQ	4:00	Citadel Securities, LLC	10
KIDS	ORTHOPEDIATRICS CORP	KIDS	No	NASDAQ	4:00	Citadel Securities, LLC	10
KRBN	KraneShares Global Carbon Strategy ETF	KRBN	No	NYSE Arca	4:00	Morgan Stanley	10
KULR	KULR TECHNOLOGY GROUP INC	KULR	No	AMEX	4:00	Citadel Securities, LLC	10
KZR	KEZAR LIFE SCIENCES INC	KZR	No	NASDAQ	4:00	Citadel Securities, LLC	10



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LAW	CS DISCO, INC	LAW	No	NYSE	4:00	Susquehanna Securities	11
LDI	LOANDEPOT, INC.	LDI	No	NYSE	4:00	Susquehanna Securities	11
LHDX	LUCIRA HEALTH, INC.	LHDX	No	NASDAQ	4:00	Susquehanna Securities	11
LMFA	LM FUNDING AMERICA INC	LMFA	No	NASDAQ	4:00	Susquehanna Securities	11
LSXMK	LIBERTY MEDIA CORP- SIRIUSXM C	LSXMK	No	NASDAQ	4:00	Susquehanna Securities	11
META	ROUNDHILL BALL METAVERSE ETF	META	No	NYSE Arca	4:00	Citadel Securities, LLC	12
MIMO	AIRSPAN NETWORKS HOLDINGS INC.	MIMO	No	AMEX	4:00	Citadel Securities, LLC	12
MNOV	PROG Holdings, Inc.	MNOV	No	NASDAQ	4:00	Citadel Securities, LLC	12
MSP	DATTO HOLDING CORP.	MSP	No	NYSE	4:00	Susquehanna Securities	12
NABL	N-ABLE, INC	NABL	No	NYSE	4:00	Wolverine Trading, LLC	13
NVTS	NAVITAS SEMICONDUCTOR CORPORATION	NVTS	No	NASDAQ	4:00	Susquehanna Securities	13
OLMA	Aurora Innovation, Inc.	OLMA	No	NASDAQ	4:00	Susquehanna Securities	14
ONCR	ONCORUS, INC.	ONCR	No	NASDAQ	4:00	Citadel Securities, LLC	14
ONTF	ON24, INC	ONTF	No	NYSE	4:00	Citadel Securities, LLC	14
PDFS	PDF Solutions Inc	PDFS	No	NASDAQ	4:00	Susquehanna Securities	14
PTLO	PORTILLOS INC	PTLO	No	NASDAQ	4:00	Susquehanna Securities	14
RLGT	Radiant Logistics, Inc.	RLGT	No	AMEX	4:00	Wolverine Trading, LLC	15
RMBL	RUMBLEON, INC.	RMBL	No	NASDAQ	4:00	Susquehanna Securities	15
ROG	ROGERS CORPORATION	ROG	No	NYSE	4:00	Susquehanna Securities	15
RRD	DONNELLY R.R. AND SONS COMPANY	RRD	No	NYSE	4:00	Susquehanna Securities	15
SITM	SITIME CORP	SITM	No	NASDAQ	4:00	Wolverine Trading, LLC	16
SRAD	SPORTRADAR GROUP	SRAD	No	NASDAQ	4:00	Citadel Securities, LLC	16
STEP	STEPSTONE GROUP INC	STEP	No	NASDAQ	4:00	Susquehanna Securities	16
THRY	THRYV HOLDINGS, INC.	THRY	No	NASDAQ	4:00	Wolverine Trading, LLC	17
TOKE	CAMBRIA CANNABIS ETF	TOKE	No	BATS	4:00	Wolverine Trading, LLC	17
UONEK	URBAN ONE INC	UONEK	No	NASDAQ	4:00	Susquehanna Securities	18



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WCLD	WISDOMTREE CLOUD COMPUTING FUND	WCLD	No	NASDAQ	4:00	Citadel Securities, LLC	19
XMTR	XOMETRY INC.	XMTR	No	NASDAQ	4:00	Wolverine Trading, LLC	20
XPDI	POWER & DIGITAL INFRASTRUCTURE ACQUISITION CORP	XPDI	No	NASDAQ	4:00	Wolverine Trading, LLC	20
XPOF	XPONENTIAL FITNESS, INC	XPOF	No	NYSE	4:00	Wolverine Trading, LLC	20

Please contact MIAX Options Listings with any questions.

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