

MIAX Options Exchange Regulatory Circular 2021-87
MIAX Pearl Options Exchange Regulatory Circular 2021-78
MIAX Emerald Options Exchange Regulatory Circular 2021-82

DATE: December 31, 2021

TO: MIAX Exchange Members

FROM: MIAX Regulatory Department

RE: Option Classes to be Included in the MIAX Penny Interval Program Effective January 3, 2022

Pursuant to MIAX Options Rule 510(c), MIAX Pearl Rule 510(c) and MIAX Emerald Rule 510(b), MIAX Options, MIAX Pearl Options and MIAX Emerald Options have added the following symbols to the Penny Interval Program ("Penny Program") effective Monday, January 3, 2022.

| SECURITY SYMBOL | SECURITY NAME                                  |
|-----------------|--|
| AFRM            | AFFIRM HOLDINGS, INC.                          |
| AHT             | ASHFORD HOSPITALITY TRUST, INC.                |
| APPS            | DIGITAL TURBINE, INC.                          |
| ASO             | ACADEMY SPORTS AND OUTDOORS, INC.              |
| ATER            | ATERIAN, INC.                                  |
| ATOS            | ATOSSA THERAPEUTICS, INC.                      |
| AUPH            | AURINIA PHARMACEUTICALS INC.                   |
| BEKE            | KE HOLDINGS INC.                               |
| BKKT            | BAKKT HOLDINGS, INC.                           |
| BTBT            | BIT DIGITAL, INC.                              |
| CLNE            | CLEAN ENERGY FUELS CORP.                       |
| CPNG            | COUPANG, INC.                                  |
| DDD             | 3D SYSTEMS CORPORATION                         |
| DISCA           | DISCOVERY, INC.                                |
| DNN             | DENISON MINES CORP.                            |
| EDU             | NEW ORIENTAL EDUCATION & TECHNOLOGY GROUP INC. |
| EXPR            | EXPRESS, INC.                                  |
| FFIE            | FARADAY FUTURE INTELLIGENT ELECTRIC INC.       |
| FUTU            | FUTU HOLDINGS LIMITED                          |



| SECURITY SYMBOL | SECURITY NAME                               |
|-----------------|---|
| GGPI            | GORES GUGGENHEIM, INC.                      |
| GOEV            | CANOO INC.                                  |
| GSAT            | GLOBALSTAR, INC.                            |
| IGT             | INTERNATIONAL GAME TECHNOLOGY PLC           |
| LAZR            | LUMINAR TECHNOLOGIES, INC.                  |
| MMAT            | META MATERIALS INC.                         |
| MVIS            | MICROVISION, INC.                           |
| NUE             | NUCOR CORPORATION                           |
| OPEN            | OPENDOOR TECHNOLOGIES INC.                  |
| PROG            | PROGENITY, INC.                             |
| PSTH            | PERSHING SQUARE TONTINE HOLDINGS, LTD.      |
| RIVN            | RIVIAN AUTOMOTIVE, INC.                     |
| ROOT            | ROOT, INC.                                  |
| RUN             | SUNRUN INC.                                 |
| SAVA            | CASSAVA SCIENCES, INC.                      |
| SENS            | SENSEONICS HOLDINGS, INC.                   |
| SKLZ            | SKILLZ INC.                                 |
| SOXL            | DIREXION DAILY SEMICONDUCTOR BULL 3X SHARES |
| TAL             | TAL EDUCATION GROUP                         |
| TIGR            | UP FINTECH HOLDING LIMITED                  |
| TTD             | THE TRADE DESK, INC.                        |
| U               | UNITY SOFTWARE INC.                         |
| UPST            | UPSTART HOLDINGS, INC.                      |
| UWMC            | UWM HOLDINGS CORPORATION                    |
| ZM              | ZOOM VIDEO COMMUNICATIONS, INC.             |

Refer to the links below for a complete list of symbols in the Penny Program.

- MIAX Options Penny Program
- MIAX Pearl Options Penny Program
- MIAX Emerald Options Penny Program

Please direct questions to the Regulatory Department at Regulatory @MIAXOptions.com or (609) 897-7309.