NORTHLAND CAPITAL MARKETS

Market Maker List
10/2/2023

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	Symbol	Company Name	Market Maker
1	AACI	Armada Acquisition Corp	Gifford
2	AACI	Applied Optoelectronics, Inc.	Gifford
3	ABEO	Abeona Therapeutics Inc.	Gifford
4	ACEL	Accel Entertainment, Inc.	Gifford
5	ACON	Aclarion, Inc.	Gifford
6	ACRX	Acelrx Pharmaceuticals, Inc.	Gifford
7	ACST	Acasti Pharma, Inc.	Gifford
8	ADD	Color Star Technology Co.	Gifford
9	ADTN	ADTRAN. Inc.	Gifford
10	ADTX	Aditxt. Inc.	Gifford
11	AEHL	Antelope Enterprise Holdings Inc.	Gifford
12	AEI	Alset EHome International Inc.	Gifford
13	AEMD	Aethlon Medical. Inc.	Gifford
14	AEZS	Aeterna Zentaris Inc.	Gifford
15	AGMH	AGM Group Holdings Inc.	Gifford
16	AGFY	Agrify Corporation	Gifford
17	AGRX	Agile Therapeutics, Inc.	Gifford
18	AGYS	Agilysys, Inc.	Gifford
19	AI	C3ai, Inc. Class A	Gifford
20	AIHS	Senmiao Technology Limited	Gifford
21	AIM	AIM Immuno Tech Inc	Gifford
22	AIP	Arteris, Inc.	Gifford
23	AIRG	Airgain Inc	Gifford
24	ALAR	Safe-T Group Limited ADR	Gifford
25	ALLR	Allarity Therapeutics, Inc.	Gifford
26	ALLT	Allot Ltd.	Gifford
27	ALNT	Allient Inc.	Gifford
28	ALRM	Alarm.com Holdings, Inc.	Gifford
29	ALTG	Alta Equipment Group Inc.	Gifford
30	ALVO	Alvotech Ord	Gifford
31	AMBA	Ambarella, Inc.	Gifford
32	AMD	Advanced Micro Devices	Gifford
33	AMPX	Amprius Technologies, Inc.	Gifford
34	AMRK	A-Mark Precious Metals, Inc.	Gifford
35	AMRN	Amarin Corporation plc	Gifford
36	ANY	Sphere 3D Corp.	Gifford
37	APLD	Applied Blockchain. Inc.	Gifford
38	APM	Aptorum Group Limited	Gifford
39	AREB	American Rebel Holdings. Inc	Gifford
40	ARQQ	Arqit Quantum Inc.	Gifford
41	ARRY	Array Technologies. Inc.	Gifford
42	ARTL	Artelo Biosciences, Inc.	Gifford
43	ASPS	Altisource Portfolio Solutions	Gifford
44	ASTC	Astrotech Corporation	Gifford
45	ASUR	Asure Software Inc	Gifford
46	ATHX	Athersys, Inc.	Gifford
47	ATIF	ATIF Holdings Limited	Gifford
48	ATOS	Atossa Genetics Inc.	Gifford
49	ATXI	Avenue Therapeutics, Inc,	Gifford
50	AUMN	Golden Minerals Company	Gifford
51	AVGR	Avinger, Inc.	Gifford
52	AVID	Avid Tech Inc	Gifford
53	AVNW	Aviat Networks, Inc.	Gifford
54	AVPT	AvePoint, Inc.	Gifford
55	AWH	Aspira Women's Health Inc.	Gifford
56	AXTI	AXT Incorporated	Gifford
57	AYTU	Aytu BioScience, Inc.	Gifford
58	BACK	IMAC Holdings, Inc.	Gifford
59	BBAI	BigBear.ai Holdings, Inc.	Gifford
60	BBW	Build-A-Bear Workshops, Inc.	Gifford
61	BCOV	Brightcove Inc.	Gifford
62	BE	Bloom Energy Corp Cl A	Gifford
63	BEEM	Beam Global	Gifford
64	BIMI	BIMI International Medical Inc.	Gifford
65	BIOL	Biolase. Inc.	Gifford
66	BIOR	Biora Therapeutics. Inc.	Gifford
67	BLFS	BioLife Solutions. Inc.	Gifford
68	BLRX	BioLineRx Ltd.	Gifford
69	BMTX	BM Technologies. Inc. Class A	Gifford
70	BMTXW	BM Technologies, Inc. Wts	Gifford
71	BNGO	Bionano Genomics, Inc.	Gifford
72	BNTC	Benitec Biopharma Inc.	Gifford
73	BOXL	Boxlight Corporation	Gifford
74	BPTH	Bio-Path Holdings, Inc.	Gifford
75	BSGM	Biosig Technologies Inc	Gifford
76	BTCY	Biotricity Inc	Gifford
77	BWAY	Brainsway Ltd.	Gifford
78	BXRX	Baudax Bio, Inc.	Gifford
79	CALX	Calix, Inc.	Gifford
80	CAMT	Camtek Ltd	Gifford
81	CANF	Can-Fite BioPharma Ltd.	Gifford
82	CARM	Carisma Therapeutics, Inc.	Gifford
83	CASA	Casa Systems, Inc.	Gifford
84	CDIO	Cardio Diagnostics Holdings Inc.	Gifford
85	CETX	Cemtrex Inc.	Gifford
86	CEVA	CEVA, Inc.	Gifford
87	CHEK	Check-Cap Ltd.	Gifford
88	CHGG	Chegg, Inc.	Gifford
89	CIEN	Ciena Corp	Gifford
90	CLFD	Clearfield, Inc.	Gifford
91	CLRB	Cellectar Biosciences, Inc.	Gifford
92	CMBM	Cambium Networks Corp	Gifford
93	CNET	ZW Data Action Technologies	Gifford
94	CNSP	CNS Pharmaceuticals. Inc.	Gifford
95	COCP	Cocrystal Pharma. Inc.	Gifford
96	COHR	Coherent Corp.	Gifford
97	COMM	CommScope Holding Company	Gifford
98	CPTN	Cepton, Inc.	Gifford
99	CRDL	Cardiol Therapeutics Inc.	Gifford
100	CRM	Salesforce, Inc.	Gifford
101	CSGS	CSG Systems International Inc.	Gifford
102	CTLP	Cantaloupe, Inc.	Gifford
103	CTRM	Castor Maritime Inc.	Gifford
104	CTXR	Citius Pharmaceuticals, Inc.	Gifford
105	CWBR	CohBar, Inc.	Gifford
106	DDI	DoubleDown Interactive Co.	Gifford
107	DGLY	Digital Ally, Inc.	Gifford
108	DKNG	DraftKings Inc.	Gifford
109	DMK	DMK Pharmaceuticals Corporation	Gifford
110	DOGZ	Dogness International Corp	Gifford
111	DOMH	Dominari Holdings Inc.	Gifford
112	DSKE	Daseke, Inc.	Gifford
113	DTSS	Datasea Inc.	Gifford
114	DUOT	Duos Technologies Group, Inc.	Gifford
115	DZSI	DASAN Zhone Solutions, Inc.	Gifford
116	ECPG	Encore Capital Group Inc	Gifford
117	EDSA	Edesa Biotech, Inc.	Gifford
118	EEFT	Euronet Worldwide, Inc.	Gifford
119	ELMD	Electromed, Inc.	Gifford
120	EMKR	EMCORE Corporation	Gifford
121	ENPH	Enphase Energy. Inc.	Gifford
122	ENWB	Enveric Biosciences. Inc.	Gifford
123	ENVX	Enovix Corporation	Gifford
124	EPM	Evolution Petroleum Corporation	Gifford
125	ESPR	Esperion Therapeutics. Inc.	Gifford
126	ESTE	Earthstone Energy, Inc.	Gifford
127	EVBG	Everbridge, Inc.	Gifford
128	EVGO	Evgo Inc.	Gifford
129	EVLV	Evolv Technologies Holdings, Inc.	Gifford
130	EZGO	EZGO Technologies LTD	Gifford
131	FAMI	Farmmi, INC.	Gifford
132	FC	Franklin Covey Co.	Gifford
133	FGI	FGI Industries Ltd.	Gifford
134	FIVN	Five9, Inc.	Gifford
135	FLGC	Flora Growth Corp.	Gifford
136	FORM	FormFactor, Inc	Gifford
137	FN	Fabrinet	Gifford
138	FRTX	Fresh Track Therapeutics, Inc.	Gifford
139	FTCI	FTC Solar, Inc.	Gifford
140	GAN	GAN Limited	Gifford
141	GDOT	Green Dot Corporation	Gifford
142	GDYN	Grid Dynamics Holdings, Inc.	Gifford
143	GEO	The Geo Group, Inc.	Gifford
144	GEVO	Gevo, Inc.	Gifford
145	GHSI	Guardian Health Sciences, Inc.	Gifford
146	GIG	GigCapital4, Inc.	Gifford
147	GLBS	Globus Maritime Limited	Gifford
148	GMBL	Esports Entertainment Group Inc.	Gifford
149	GLMD	Galmed Pharmaceuticals Ltd.	Gifford
150	GNLN	Greenlane Holdings. Inc.	Gifford
151	GNRC	Generac Holdings Inc.	Gifford
152	GNS5	Genasys Inc.	Gifford
153	GNW	Genworth Financial. Inc.	Gifford
154	GOEV	Canoo Inc.	Gifford
155	GOGO	Gogo Inc.	Gifford
156	GRRR	Gorilla Technology Group Inc.	Gifford
157	GRWG	GrowGeneration Corp	Gifford
158	HCSG	Healthcare Services Group, Inc.	Gifford
159	HIMX	Himax Technologies, Inc.	Gifford
160	HLIT	Harmonic Inc.	Gifford
161	HOFV	Hall of Fame Resorts	Gifford
162	HRTX	Heron Therapeutics, Inc.	Gifford
163	HSDT	Helius Medical Technologies, Inc.	Gifford
164	HSTO	Histogen Inc.	Gifford
165	HYLN	Hyliion Holdings Corp	Gifford
166	HYMC	Hycroft Mining Holding Corporation	Gifford
167	IBIO	iBio Inc.	Gifford
168	IDN	Intellicheck Inc.	Gifford
169	IIVI	II-VI Incorporated	Gifford
170	IMPP	Imperial Petroleum Inc.	Gifford
171	IMXI	International Money Express, Inc.	Gifford
172	INBS	Intelligent Bio Solutions Inc.	Gifford
173	INFN	Infinera Corporation	Gifford
174	INFU	InfuSystem Holdings Inc.	Gifford
175	INPX	Inpixon	Gifford
176	INTC	Intel Corporation	Gifford
177	INTT	inTEST Corporation	Gifford
178	IPDN	Professional Diversity Network. Inc.	Gifford
179	IRBT	iRobot Corporation	Gifford
180	ISDR	Issuer Direct Corporation	Gifford
181	ISPO	Insparato Incorporated	Gifford
182	ITI	Iteris, Inc.	Gifford
183	ITP	IT Tech Packaging, Inc.	Gifford
184	ITRM	Iterum Therapeutics plc	Gifford
185	JAGX	Intervac, Inc.	Gifford
186	JUHL	JUHL Wind, Inc.	Gifford
187	KAVL	Kaival Brands Innovations Group	Gifford
188	KERN	Akerna Corp.	Gifford
189	KLR	Kaleyra, Inc.	Gifford
190	KORE	KORE Group Holdings, Inc.	Gifford
191	KPRX	Kiora Pharmaceuticals, Onc.	Gifford
192	KTRA	Kintara Therapeutics, Inc.	Gifford
193	KULR	KT High-Tech Marketing, Inc	Gifford
194	LEV	The Lion Electric Company	Gifford
195	LGMK	LogicMark, Inc.	Gifford
196	LITE	Lumentum Holdings, Inc.	Gifford
197	LKCO	Luokung Technology Corp	Gifford
198	LMFA	LM Funding America, Inc.	Gifford
199	LODE	Comstock Mining Inc.	Gifford
200	LPCN	Lipocine Inc.	Gifford
201	LPRO	Open Lending, LLC	Gifford
202	LPSN	Liveperson Inc.	Gifford
203	LPTX	Leap Therapeutics, Inc.	Gifford
204	LUNA	Luna Innovations Inc.	Gifford
205	MAXN	Maxeon Solar Technologies, Ltd	Gifford
206	MBRX	Moleculin Biotech, Inc.	Gifford
207	MCHX	Marchex, Inc.	Gifford
208	MDGS	Mediaus Ltd	Gifford
209	MDWD	MediWound Ltd.	Gifford
210	MDXG	MiMedx Group. Inc.	Gifford
211	MEC	Mayville Engineering Company. Inc.	Gifford
212	MFIN	Medallion Financial Corp.	Gifford
213	MGY	Magnolia Oil Gas Corp	Gifford
214	MIMO	Airspan Networks Holdings Inc.	Gifford
215	MINM	Minim, Inc.	Gifford
216	MITK	Mitek Systems, Inc.	Gifford
217	MLSS	Milestone Scientific Inc.	Gifford
218	MMAT	Meta Materials Inc.	Gifford
219	MNMD	Mind Medicine Inc.	Gifford
220	MNTX	Manitex International, Inc.	Gifford
221	MODD	Modular Medical, Inc.	Gifford
222	MOGO	Mogo Inc.	Gifford
223	MOND	Mondee Holdings, Inc.	Gifford
224	MP	MP Materials Corp.	Gifford
225	MTSI	MACOM Technology Solutions	Gifford
226	MVLA	Movella Holdings Inc.	Gifford
227	MXL	MaxLinear, Inc.	Gifford
228	MYO	Myomo Inc.	Gifford
229	MYSZ	My Size, Inc.	Gifford
230	NAOV	NanoVibronix, Inc.	Glanville
231	NEPT	Neptune Wellness Solutions Inc.	Glanville
232	NHWK	Nighthawk Biosciences, Inc.	Glanville
233	NIR	Near Intelligence, Inc.	Glanville
234	NNDM	Nano Dimension Ltd.	Glanville
235	NOG	Northern Oil and Gas, Inc	Glanville
236	NOK	Nokia Corporation ADS	Glanville
237	NOTE	FiscalNote Holdings. Inc.	Glanville
238	NOVA	Sunnova Energy International Inc.	Glanville
239	NSPR	InspireMD Inc.	Glanville
240	NTAP	NetApp, Inc.	Glanville
241	NTIC	Northern Technologies Intl Corp	Glanville
242	NTNX	Nutanix, Inc.	Glanville
243	NUTX	Nutex Health Inc.	Glanville
244	NUWE	Nuwellis, Inc.	Glanville
245	NUZE	NuZee, Inc.	Glanville
246	NVCR	NovoCure Limited	Glanville
247	NVFY	Nova Lifestyle, Inc.	Glanville
248	NVNO	enVeno Medical Corporation	Glanville
249	NVOS	Novo Integrated Sciences, Inc.	Glanville
250	NWPX	Northwest Pipe Company	Glanville
251	NXT	Nextracker Inc.	Glanville
252	NXTP	NextPlay Technologies, Inc.	Glanville
253	NXU	Nxu, Inc.	Glanville
254	OCTO	Eightco Holdings Inc.	Glanville
255	OCUP	Ocuphire Pharma, Inc.	Glanville
256	OGEN	Oragenics Inc	Glanville
257	OMEX	Odyssey Marine Exploration, Inc.	Glanville
258	OMF	OneMain Holdings, Inc.	Glanville
259	ONCS	Oncternal Therapeutics, Inc.	Glanville
260	ONDS	Zev Ventures, Inc.	Glanville
261	ONTX	Onconova Therapeutics, Inc.	Glanville
262	OCMA	Ocma, Inc.	Glanville
263	OP	OceanPal Inc.	Glanville
264	OPFI	OcoFi Inc. Class A	Glanville
265	OPGN	OpGen. Inc.	Glanville
266	OPTT	Ocean Power Technologies. Inc.	Glanville
267	OTLK	Outlook Therapeutics. Inc.	Glanville
268	PALI	Paliwade Bio. Inc.	Glanville
269	PANW	Palo Alto Networks, Inc.	Glanville
270	PAVM	PAVmed Inc.	Glanville
271	PAYO	Payoneer Global Inc.	Glanville
272	PBLA	Panbela Therapeutics, Inc.	Glanville
273	PDFS	PDF Solutions, Inc.	Glanville
274	PED	PEDEVCO Corp.	Glanville
275	PEGY	Pinneapple Holdings, Inc.	Glanville
276	PHX	PHX Minerals Inc.	Glanville
277	PIPR	Piper Sandler Companies	Glanville
278	PL	Planet Labs PBC Class A	Glanville
279	PLUG	Plug Power, Inc.	Glanville
280	PMCB	PharmaCyte Biotech, Inc.	Glanville
281	POAI	Predictive Oncology Inc.	Glanville
282	POWI	Power Integrations, Inc.	Glanville
283	POWW	AMMO, Inc.	Glanville
284	PRCH	Porch Group, Inc.	Glanville
285	PRO	PROS Holdings Inc.	Glanville
286	PSHG	Performance Shipping Inc.	Glanville
287	PSTG	Pure Storage, Inc.	Glanville
288	PTIX	Protagenic Therapeutics, Inc.	Glanville
289	PTN	Palatin Technologies, Inc.	Glanville
290	PTPI	Petros Pharmaceuticals, Inc.	Glanville
291	PULM	Pulmatrix, Inc.	Glanville
292	PWR	Quanta Services. Inc.	Glanville
293	QLYS	Qualys. Inc.	Glanville
294	QMCO	Quantum Corporation	Glanville
295	RBBN	Ribbon Communications Inc.	Glanville
296	RCAT	Red Cat Holdings. Inc.	Glanville
297	RCON	Recon Technology, Ltd.	Glanville
298	REVB	Revelation Biosciences, Inc.	Glanville
299	RIBT	RiceBran Technologies	Glanville
300	RIOT	Riot Blockchain, Inc	Glanville
301	RNG	RingCentral, Inc.	Glanville
302	RPAY	Repay Holdings Corporation	Glanville
303	RSLS	ReShape Lifesciences, Inc.	Glanville
304	RUN	Sunrun Inc.	Glanville
305	RVRA	Riviera Resources Inc	Glanville
306	RWLK	ReWalk Robotics Ltd	Glanville
307	SABS	SAB Biotherapeutics, Inc.	Glanville
308	SANG	Sangoma Technologies Corporation	Glanville
309	SASI	Sigma Labs, Inc.	Glanville
310	SBFM	Sunshine Biopharma Inc.	Glanville
311	SBOW	SilverBow Resources, Inc.	Glanville
312	SEDG	SolarEdge Technologies, Inc.	Glanville
313	SEEL	Seelos Therapeutics, Inc.	Glanville
314	SENS	Senseonics Holdings, Inc.	Glanville
315	SHIP	Seanergy Maritime Holdings Corp	Glanville
316	SHLS	Shoals Technologies Group, Inc.	Glanville
317	SHOT	Safety Shot, Inc.	Glanville
318	SIEN	Sientra, Inc.	Glanville
319	SINT	SiNtx Technologies Inc.	Glanville
320	SKY	Skyline Champion Corporation	Glanville
321	SLNA	Selina Hospitality PLC	Glanville
322	SLNO	Soleno Therapeutics. Inc.	Glanville
323	SLRX	Salarius Pharmaceuticals. Inc.	Glanville
324	SLS	SELLAS Life Sciences Group. Inc.	Glanville
325	SMCI	Super Micro Computer, Inc.	Glanville
326	SMTC	Semtech Corporation	Glanville
327	SNCR	Synchronoss Tech	Glanville
328	SNDL	Sundial Growers Inc.	Glanville
329	SNAX	Stryve Foods, Inc.	Glanville
330	SNES	Senes Tech Inc.	Glanville
331	SNGX	Soligenix, Inc.	Glanville
332	SNPX	Synaptogenix, Inc.	Glanville
333	SOL	ReneSola Ltd ADS	Glanville
334	SONN	Sonnet Bio Therapeutics Holdings	Glanville
335	SOPA	Society Pass Incorporated	Glanville
336	SOS	SOS Limited ADS	Glanville
337	SOTK	Sono-Tek Corporation	Glanville
338	SOUN	SoundHound AI, Inc.	Glanville
339	SPLK	Splunk Inc.	Glanville
340	SPSC	SPS Commerce	Glanville
341	SRTS	Sensus Healthcare Inc.	Glanville
342	SSTI	ShotSpotter, Inc.	Glanville
343	STAF	Staffing 360 Solutions, Inc.	Glanville
344	STEM	Stem, Inc.	Glanville
345	STRR	Star Equity Holdings, Inc.	Glanville
346	STX	Seagate Technology Holdings PLC	Glanville
347	SUNW	Sunworks, Inc.	Glanville
348	SURG	SurgePays. Inc.	Glanville
349	SXTC	China SXT Pharmaceuticals. Inc.	Glanville
350	SYTA	Siyata Mobile. Inc.	Glanville
351	TANH	Tantech Holdings Ltd.	Glanville
352	TBLT	TouchBuilt Industries. Inc.	Glanville
353	TDC	Teradata Corporation	Glanville
354	TELL	Tellurian Inc.	Glanville
355	TER	Teradyne, Inc.	Glanville
356	TH	Target Hospitality Corp.	Glanville
357	THMO	ThermoGenesis Holdings, Inc.	Glanville
358	TIRX	TIAN RUIXIANG Holdings Ltd	Glanville
359	TITN	Titan Machinery Inc.	Glanville
360	TLS	Telos Corporation	Glanville
361	TMPO	Tempo Automation Holdings, Inc.	Glanville
362	TNON	Tenon Medical, Inc.	Glanville
363	TNXP	Tonix Pharmaceuticals Holding Corp	Glanville
364	TOPS	TOP Ships Inc.	Glanville
365	TOVX	Theriva Biologics, Inc.	Glanville
366	TREE	Lending Tree, Inc.	Glanville
367	TRNS	Transcat, Inc.	Glanville
368	TRUP	Trupanion, Inc.	Glanville
369	TTC	The Toro Company	Glanville
370	TTEC	TTEC Holdings, Inc.	Glanville
371	TTNP	Titan Pharmaceuticals, Inc.	Glanville
372	TTOO	T2 Biosystems, Inc.	Glanville
373	TWLO	Twilio Inc	Glanville
374	TYGO	Tigo Energy, Inc.	Glanville
375	UAMY	United States Antimony Corp	Glanville
376	UAVS	AeroVironment Systems Inc.	Glanville
377	UBX	Unity Biotechnology, Inc.	Glanville
378	UPH	UpHealth. Inc.	Glanville
379	UTSI	UTStarcom Holdings Corp	Glanville
380	VBIV	VBI Vaccines. Inc.	Glanville
381	VBLT	Vascular Biogen	Glanville
382	VECO	Veeco Instruments Inc.	Glanville
383	VERO	Venus Concepts Inc.	Glanville
384	VEV	Vicinity Motor Corp.	Glanville
385	VGZ	Vista Gold Corp.	Glanville
386	VIAV	Viavi Solutions Inc.	Glanville
387	VMW	Vmware, Inc.	Glanville
388	VQS	VIQ Solutions Inc.	Glanville
389	VTGN	VistaGen Therapeutics, Inc.	Glanville
390	VTS	Vitesse Energy, Inc	Glanville
391	VUZI	Vuzix Corporation	Glanville
392	WBX	Wallbox N.V. Class A	Glanville
393	WISA	Summit Wireless Technologies, Inc.	Glanville
394	WK	Workiva, Inc.	Glanville
395	WT	Wisdom Tree, Inc.	Glanville
396	WU	The Western Union Company	Glanville
397	WULF	TeraWulf Inc.	Glanville
398	XBIO	Xenetic Biosciences, Inc.	Glanville
399	XCUR	Exicure, Inc.	Glanville
400	XOS	Xos, Inc.	Glanville
401	XRTX	XORTX Therapeutics Inc	Glanville
402	XTNT	Xtant Medical Holdings Inc.	Glanville
403	XXII	22nd Century Group Inc.	Glanville
404	YGMZ	MingZhu Logistics Holdings Limited	Glanville
405	YTEN	Yield10 Bioscience. Inc	Glanville
406	YUMA	Yuma Energy Inc.	Glanville
407	ZEV	Zevo Bioscience CS	Glanville
408	ZIVO	Zomedica Pharmaceuticals Corp.	Glanville
409	ZOM	Zylöstra Therapeutics, Inc.	Glanville
410	ZVSA	Zynex,Inc.	Glanville
416	ZYXI	Zynex, Inc.	Glanville