

## Advanced Stock Information for NVDA

### Major Holders

Value: 0.042940002

Value: 0.66735

Value: 0.69728

Value: 5870.0

### Institutional Holders

Date Reported: 2024-03-31 00:00:00, Holder: Vanguard Group Inc, pctHeld: 0.8672, Shares: 2133356260, Value: 192761538228

Date Reported: 2024-03-31 00:00:00, Holder: Blackrock Inc., pctHeld: 0.7408, Shares: 1822389250, Value: 164663803073

Date Reported: 2024-03-31 00:00:00, Holder: FMR, LLC, pctHeld: 0.4679, Shares: 1151036980, Value: 104003097364

Date Reported: 2024-03-31 00:00:00, Holder: State Street Corporation, pctHeld: 0.3678, Shares: 904894170, Value: 81762617624

Date Reported: 2024-03-31 00:00:00, Holder: Geode Capital Management, LLC, pctHeld: 0.2134, Shares: 524942990, Value: 47431748804

Date Reported: 2024-03-31 00:00:00, Holder: Price (T.Rowe) Associates Inc, pctHeld: 0.1876, Shares: 461499100, Value: 41699212679

Date Reported: 2024-03-31 00:00:00, Holder: JP Morgan Chase & Company, pctHeld: 0.1543, Shares: 379614540, Value: 34300451376

Date Reported: 2024-03-31 00:00:00, Holder: Morgan Stanley, pctHeld: 0.1377, Shares: 338760640, Value: 30609056387

Date Reported: 2023-12-31 00:00:00, Holder: Norges Bank Investment Management, pctHeld: 0.119899996, Shares: 294947080, Value: 14606369295

Date Reported: 2024-03-31 00:00:00, Holder: Northern Trust Corporation, pctHeld: 0.0986, Shares: 242517530, Value: 21912913940

### Mutual Fund Holders

Date Reported: 2024-03-31 00:00:00, Holder: Vanguard Total Stock Market Index Fund, pctHeld: 0.3035, Shares:

746562480, Value: 67456399442

Date Reported: 2024-03-31 00:00:00, Holder: Vanguard 500 Index Fund, pctHeld: 0.253, Shares: 622454960,  
Value: 56242540365

Date Reported: 2024-04-30 00:00:00, Holder: Fidelity 500 Index Fund, pctHeld: 0.1216, Shares: 299158240,  
Value: 25847870252

Date Reported: 2024-04-30 00:00:00, Holder: SPDR S&P 500 ETF Trust, pctHeld: 0.1188, Shares: 292231920,  
Value: 25249422351

Date Reported: 2024-04-30 00:00:00, Holder: iShares Core S&P 500 ETF, pctHeld: 0.1034, Shares: 254373150,  
Value: 21978348906

Date Reported: 2024-03-31 00:00:00, Holder: Vanguard Growth Index Fund, pctHeld: 0.090500005, Shares:  
222703250, Value: 20122574857

Date Reported: 2024-04-30 00:00:00, Holder: Invesco ETF Tr-Invesco QQQ Tr, Series 1 ETF, pctHeld: 0.074,  
Shares: 182162080, Value: 15739168036

Date Reported: 2024-03-31 00:00:00, Holder: Vanguard Institutional Index Fund-Institutional Index Fund, pctHeld:  
0.066, Shares: 162436560, Value: 14677117815

Date Reported: 2024-04-30 00:00:00, Holder: Fidelity Growth Company Fund, pctHeld: 0.0414, Shares:  
101941500, Value: 8807949483

Date Reported: 2024-04-30 00:00:00, Holder: Fidelity Contrafund Inc, pctHeld: 0.040700004, Shares: 100184150,  
Value: 8656110928

## Insider Transactions

Shares: 155000, Value: 20502578, URL: , Text: Sale at price 132.27 per share., Insider: STEVENS MARK A,  
Position: Director, Transaction: , Start Date: 2024-10-09 00:00:00, Ownership: I

Shares: 125000, Value: 15325950, URL: , Text: Sale at price 122.61 per share., Insider: STEVENS MARK A,  
Position: Director, Transaction: , Start Date: 2024-10-03 00:00:00, Ownership: I

Shares: 40000, Value: 4840356, URL: , Text: Sale at price 121.01 per share., Insider: STEVENS MARK A,  
Position: Director, Transaction: , Start Date: 2024-09-27 00:00:00, Ownership: I

Shares: 165100, Value: 20021429, URL: , Text: Sale at price 121.27 per share., Insider: STEVENS MARK A,  
Position: Director, Transaction: , Start Date: 2024-09-24 00:00:00, Ownership: I

Shares: 66670, Value: 7772851, URL: , Text: Sale at price 116.19 - 118.05 per share., Insider: KRESS COLETTE  
M., Position: Chief Financial Officer, Transaction: , Start Date: 2024-09-20 00:00:00, Ownership: D

Shares: 4500, Value: 524293, URL: , Text: Sale at price 116.18 - 118.15 per share., Insider: ROBERTSON  
DONALD F JR, Position: Officer, Transaction: , Start Date: 2024-09-20 00:00:00, Ownership: D

Shares: 2000000, Value: 235741095, URL: , Text: Sale at price 116.27 - 119.27 per share., Insider: COXE

TENCH C, Position: Director, Transaction: , Start Date: 2024-09-20 00:00:00, Ownership: I

Shares: 1568000, Value: 0, URL: , Text: Stock Gift at price 0.00 per share., Insider: HUANG JEN-HSUN, Position:

Chief Executive Officer, Transaction: , Start Date: 2024-09-20 00:00:00, Ownership: I

Shares: 240000, Value: 28551919, URL: , Text: Sale at price 115.82 - 120.29 per share., Insider: HUANG

JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-09-13 00:00:00, Ownership: D

Shares: 240000, Value: 26252485, URL: , Text: Sale at price 104.99 - 117.07 per share., Insider: HUANG

JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-09-11 00:00:00, Ownership: D

Shares: 240000, Value: 25044854, URL: , Text: Sale at price 100.99 - 108.00 per share., Insider: HUANG

JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-09-09 00:00:00, Ownership: D

Shares: 240000, Value: 25805490, URL: , Text: Sale at price 104.62 - 109.30 per share., Insider: HUANG

JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-09-05 00:00:00, Ownership: D

Shares: 240000, Value: 27574820, URL: , Text: Sale at price 107.81 - 121.29 per share., Insider: HUANG

JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-09-03 00:00:00, Ownership: D

Shares: 240000, Value: 24915914, URL: , Text: Sale at price 97.80 - 106.29 per share., Insider: HUANG

JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-08-09 00:00:00, Ownership: D

Shares: 240000, Value: 25069567, URL: , Text: Sale at price 98.84 - 108.19 per share., Insider: HUANG

JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-08-07 00:00:00, Ownership: D

Shares: 240000, Value: 24609476, URL: , Text: Sale at price 91.72 - 108.23 per share., Insider: HUANG

JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-08-05 00:00:00, Ownership: D

Shares: 240000, Value: 27426748, URL: , Text: Sale at price 106.94 - 120.05 per share., Insider: HUANG

JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-08-01 00:00:00, Ownership: D

Shares: 240000, Value: 26383025, URL: , Text: Sale at price 102.85 - 116.11 per share., Insider: HUANG

JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-07-30 00:00:00, Ownership: D

Shares: 240000, Value: 27216126, URL: , Text: Sale at price 106.79 - 116.22 per share., Insider: HUANG

JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-07-26 00:00:00, Ownership: D

Shares: 240000, Value: 28869762, URL: , Text: Sale at price 113.85 - 124.20 per share., Insider: HUANG

JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-07-24 00:00:00, Ownership: D

Shares: 240000, Value: 28954933, URL: , Text: Sale at price 117.86 - 124.02 per share., Insider: HUANG

JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-07-22 00:00:00, Ownership: D

Shares: 240000, Value: 28679816, URL: , Text: Sale at price 116.83 - 122.12 per share., Insider: HUANG

JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-07-18 00:00:00, Ownership: D

Shares: 240000, Value: 30638085, URL: , Text: Sale at price 124.84 - 131.17 per share., Insider: HUANG

JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-07-16 00:00:00, Ownership: D  
Shares: 240000, Value: 31266275, URL: , Text: Sale at price 127.70 - 136.00 per share., Insider: HUANG

JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-07-12 00:00:00, Ownership: D  
Shares: 100110, Value: 13023949, URL: , Text: Sale at price 127.76 - 131.40 per share., Insider: PURI AJAY K,  
Position: Officer, Transaction: , Start Date: 2024-07-12 00:00:00, Ownership: I  
Shares: 156023, Value: 20254063, URL: , Text: Sale at price 129.81 per share., Insider: STEVENS MARK A,  
Position: Director, Transaction: , Start Date: 2024-07-12 00:00:00, Ownership: I  
Shares: 240000, Value: 31864601, URL: , Text: Sale at price 128.88 - 135.07 per share., Insider: HUANG

JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-07-10 00:00:00, Ownership: D  
Shares: 785000, Value: 103998016, URL: , Text: Sale at price 130.65 - 134.16 per share., Insider: STEVENS  
MARK A, Position: Director, Transaction: , Start Date: 2024-07-10 00:00:00, Ownership: I  
Shares: 240000, Value: 30688598, URL: , Text: Sale at price 125.91 - 130.33 per share., Insider: HUANG

JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-07-08 00:00:00, Ownership: D  
Shares: 240000, Value: 29581600, URL: , Text: Sale at price 121.67 - 128.08 per share., Insider: HUANG

JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-07-03 00:00:00, Ownership: D  
Shares: 240000, Value: 29738301, URL: , Text: Sale at price 118.94 - 127.19 per share., Insider: HUANG

JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-07-01 00:00:00, Ownership: D  
Shares: 48359, Value: 0, URL: , Text: Stock Gift at price 0.00 per share., Insider: TETER TIMOTHY S, Position:  
General Counsel, Transaction: , Start Date: 2024-07-01 00:00:00, Ownership: D  
Shares: 2088, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: DRELL PERSIS S,  
Position: Director, Transaction: , Start Date: 2024-06-27 00:00:00, Ownership: D  
Shares: 2088, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: SHAH AARTI S,  
Position: Director, Transaction: , Start Date: 2024-06-27 00:00:00, Ownership: D  
Shares: 2088, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: NEAL STEPHEN C.,  
Position: Director, Transaction: , Start Date: 2024-06-27 00:00:00, Ownership: D  
Shares: 2088, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: DABIRI JOHN O,  
Position: Director, Transaction: , Start Date: 2024-06-27 00:00:00, Ownership: D  
Shares: 240000, Value: 29912143, URL: , Text: Sale at price 122.88 - 128.04 per share., Insider: HUANG

JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-06-27 00:00:00, Ownership: D  
Shares: 2088, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: STEVENS MARK A,  
Position: Director, Transaction: , Start Date: 2024-06-27 00:00:00, Ownership: D  
Shares: 2088, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: JONES HARVEY C  
JR., Position: Director, Transaction: , Start Date: 2024-06-27 00:00:00, Ownership: D

Shares: 2088, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: BURGESS ROBERT KENNETH, Position: Director, Transaction: , Start Date: 2024-06-27 00:00:00, Ownership: D

Shares: 2088, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: HUDSON BEACH DAWN E, Position: Director, Transaction: , Start Date: 2024-06-27 00:00:00, Ownership: D

Shares: 2088, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: COXE TENCH C, Position: Director, Transaction: , Start Date: 2024-06-27 00:00:00, Ownership: D

Shares: 2088, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: LORA MELISSA, Position: Director, Transaction: , Start Date: 2024-06-27 00:00:00, Ownership: D

Shares: 2088, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: SEAWELL A BROOKE, Position: Director, Transaction: , Start Date: 2024-06-27 00:00:00, Ownership: D

Shares: 240000, Value: 29310576, URL: , Text: Sale at price 118.63 - 126.19 per share., Insider: HUANG JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-06-25 00:00:00, Ownership: D

Shares: 200000, Value: 24430514, URL: , Text: Sale at price 118.71 - 126.46 per share., Insider: KRESS COLETTE M., Position: Chief Financial Officer, Transaction: , Start Date: 2024-06-25 00:00:00, Ownership: D

Shares: 240000, Value: 31557278, URL: , Text: Sale at price 124.75 - 140.24 per share., Insider: HUANG JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-06-21 00:00:00, Ownership: D

Shares: 100000, Value: 12699088, URL: , Text: Sale at price 125.39 - 130.04 per share., Insider: KRESS COLETTE M., Position: Chief Financial Officer, Transaction: , Start Date: 2024-06-21 00:00:00, Ownership: D

Shares: 4500, Value: 576751, URL: , Text: Sale at price 128.17 per share., Insider: ROBERTSON DONALD F JR, Position: Officer, Transaction: , Start Date: 2024-06-21 00:00:00, Ownership: D

Shares: 445000, Value: 0, URL: , Text: Stock Gift at price 0.00 per share., Insider: HUANG JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-06-21 00:00:00, Ownership: I

Shares: 240000, Value: 31894854, URL: , Text: Sale at price 129.80 - 136.12 per share., Insider: HUANG JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-06-18 00:00:00, Ownership: D

Shares: 15000, Value: 0, URL: , Text: Stock Gift at price 0.00 per share., Insider: DRELL PERSIS S, Position: Director, Transaction: , Start Date: 2024-06-17 00:00:00, Ownership: D/I

Shares: 240000, Value: 31184783, URL: , Text: Sale at price 127.78 - 132.24 per share., Insider: HUANG JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-06-14 00:00:00, Ownership: D

Shares: 470000, Value: 58344021, URL: , Text: Sale at price 120.42 - 125.88 per share., Insider: STEVENS MARK A, Position: Director, Transaction: , Start Date: 2024-06-12 00:00:00, Ownership: I

Shares: 100000, Value: 119457412, URL: , Text: Sale at price 1194.14 - 1197.36 per share., Insider: COXE TENCH C, Position: Director, Transaction: , Start Date: 2024-06-07 00:00:00, Ownership: I

Shares: 30000, Value: 0, URL: , Text: Stock Gift at price 0.00 per share., Insider: COXE TENCH C, Position:

Director, Transaction: , Start Date: 2024-06-07 00:00:00, Ownership: I

Shares: 10425, Value: 12517143, URL: , Text: Sale at price 1175.67 - 1220.83 per share., Insider: SHOQUIST

DEBORA C, Position: Officer, Transaction: , Start Date: 2024-06-05 00:00:00, Ownership: I

Shares: 715, Value: 874324, URL: , Text: Sale at price 1221.95 - 1224.04 per share., Insider: SHOQUIST

DEBORA C, Position: Officer, Transaction: , Start Date: 2024-06-05 00:00:00, Ownership: I

Shares: 16670, Value: 19988343, URL: , Text: Sale at price 1197.20 - 1219.02 per share., Insider: STEVENS

MARK A, Position: Director, Transaction: , Start Date: 2024-06-05 00:00:00, Ownership: I

Shares: 15000, Value: 17273842, URL: , Text: Sale at price 1141.71 - 1165.27 per share., Insider: SHOQUIST

DEBORA C, Position: Officer, Transaction: , Start Date: 2024-06-04 00:00:00, Ownership: I

Shares: 15000, Value: 17046175, URL: , Text: Sale at price 1121.75 - 1149.93 per share., Insider: SHOQUIST

DEBORA C, Position: Officer, Transaction: , Start Date: 2024-06-03 00:00:00, Ownership: I

Shares: 8900, Value: 10138892, URL: , Text: Sale at price 1138.00 - 1140.43 per share., Insider: STEVENS

MARK A, Position: Director, Transaction: , Start Date: 2024-06-03 00:00:00, Ownership: I

Shares: 26939, Value: 30748961, URL: , Text: Sale at price 1130.14 - 1148.01 per share., Insider: STEVENS

MARK A, Position: Director, Transaction: , Start Date: 2024-05-30 00:00:00, Ownership: I

Shares: 5000, Value: 5750150, URL: , Text: Sale at price 1150.03 per share., Insider: HUDSON BEACH DAWN

E, Position: Director, Transaction: , Start Date: 2024-05-29 00:00:00, Ownership: D

Shares: 20000, Value: 21588245, URL: , Text: Sale at price 1058.57 - 1140.04 per share., Insider: HUDSON

BEACH DAWN E, Position: Director, Transaction: , Start Date: 2024-05-28 00:00:00, Ownership: D

Shares: 3879, Value: 4355785, URL: , Text: Sale at price 1103.68 - 1145.27 per share., Insider: MCCAFFERY

MICHAEL G, Position: Director, Transaction: , Start Date: 2024-05-28 00:00:00, Ownership: D

Shares: 57, Value: 65398, URL: , Text: Sale at price 1147.34 per share., Insider: MCCAFFERY MICHAEL G,

Position: Director, Transaction: , Start Date: 2024-05-28 00:00:00, Ownership: D

Shares: 1438, Value: 1607281, URL: , Text: Sale at price 1117.72 per share., Insider: SEAWELL A BROOKE,

Position: Director, Transaction: , Start Date: 2024-05-28 00:00:00, Ownership: D

Shares: 198, Value: 206702, URL: , Text: Sale at price 1043.95 per share., Insider: DABIRI JOHN O, Position:

Director, Transaction: , Start Date: 2024-05-24 00:00:00, Ownership: D

Shares: 1667, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: ROBERTSON

DONALD F JR, Position: Officer, Transaction: , Start Date: 2024-04-08 00:00:00, Ownership: D

Shares: 22700, Value: 19975240, URL: , Text: Sale at price 877.00 - 882.36 per share., Insider: STEVENS MARK

A, Position: Director, Transaction: , Start Date: 2024-04-05 00:00:00, Ownership: I

Shares: 45798, Value: 0, URL: , Text: Stock Gift at price 0.00 per share., Insider: PURI AJAY K, Position: Officer,

Transaction: , Start Date: 2024-04-05 00:00:00, Ownership: D

Shares: 7000, Value: 6215259, URL: , Text: Sale at price 887.89 per share., Insider: PERRY MARK L, Position: Director, Transaction: , Start Date: 2024-04-02 00:00:00, Ownership: I

Shares: 11000, Value: 9962150, URL: , Text: Sale at price 905.65 per share., Insider: STEVENS MARK A, Position: Director, Transaction: , Start Date: 2024-03-28 00:00:00, Ownership: I

Shares: 128, Value: 120320, URL: , Text: Sale at price 940.00 per share., Insider: DABIRI JOHN O, Position: Director, Transaction: , Start Date: 2024-03-25 00:00:00, Ownership: D

Shares: 450, Value: 410229, URL: , Text: Sale at price 911.62 per share., Insider: ROBERTSON DONALD F JR, Position: Officer, Transaction: , Start Date: 2024-03-22 00:00:00, Ownership: D

Shares: 14538, Value: 0, URL: , Text: Stock Gift at price 0.00 per share., Insider: TETER TIMOTHY S, Position: General Counsel, Transaction: , Start Date: 2024-03-22 00:00:00, Ownership: D

Shares: 9302, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: PURI AJAY K, Position: Officer, Transaction: , Start Date: 2024-03-08 00:00:00, Ownership: D

Shares: 8608, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: TETER TIMOTHY S, Position: General Counsel, Transaction: , Start Date: 2024-03-08 00:00:00, Ownership: D

Shares: 9579, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: KRESS COLETTE M., Position: Chief Financial Officer, Transaction: , Start Date: 2024-03-08 00:00:00, Ownership: D

Shares: 8608, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: SHOQUIST DEBORA C, Position: Officer, Transaction: , Start Date: 2024-03-08 00:00:00, Ownership: D

Shares: 21750, Value: 19995508, URL: , Text: Sale at price 919.30 - 924.49 per share., Insider: STEVENS MARK A, Position: Director, Transaction: , Start Date: 2024-03-07 00:00:00, Ownership: I

Shares: 71517, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: PURI AJAY K, Position: Officer, Transaction: , Start Date: 2024-03-06 00:00:00, Ownership: D

Shares: 61002, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: TETER TIMOTHY S, Position: General Counsel, Transaction: , Start Date: 2024-03-06 00:00:00, Ownership: D

Shares: 74322, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: KRESS COLETTE M., Position: Chief Financial Officer, Transaction: , Start Date: 2024-03-06 00:00:00, Ownership: D

Shares: 206042, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: HUANG JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2024-03-06 00:00:00, Ownership: D

Shares: 61002, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: SHOQUIST DEBORA C, Position: Officer, Transaction: , Start Date: 2024-03-06 00:00:00, Ownership: D

Shares: 5000, Value: 4225640, URL: , Text: Sale at price 845.13 per share., Insider: DRELL PERSIS S, Position: Director, Transaction: , Start Date: 2024-03-05 00:00:00, Ownership: I

Shares: 200000, Value: 170020366, URL: , Text: Sale at price 850.03 - 852.50 per share., Insider: COXE TENCH

C, Position: Director, Transaction: , Start Date: 2024-03-05 00:00:00, Ownership: I  
Shares: 12000, Value: 10242502, URL: , Text: Sale at price 852.06 - 855.02 per share., Insider: STEVENS MARK  
A, Position: Director, Transaction: , Start Date: 2024-03-04 00:00:00, Ownership: I  
Shares: 15000, Value: 11979400, URL: , Text: Sale at price 795.14 - 800.74 per share., Insider: STEVENS MARK  
A, Position: Director, Transaction: , Start Date: 2024-02-26 00:00:00, Ownership: I  
Shares: 8250, Value: 5248448, URL: , Text: Sale at price 481.99 - 800.00 per share., Insider: MCCAFFERY  
MICHAEL G, Position: Director, Transaction: , Start Date: 2024-02-23 00:00:00, Ownership: D  
Shares: 15000, Value: 11946692, URL: , Text: Sale at price 796.45 per share., Insider: PERRY MARK L, Position:  
Director, Transaction: , Start Date: 2024-02-23 00:00:00, Ownership: I  
Shares: 65000, Value: 53031712, URL: , Text: Sale at price 805.74 - 823.72 per share., Insider: JONES HARVEY  
C JR., Position: Director, Transaction: , Start Date: 2024-02-23 00:00:00, Ownership: I  
Shares: 137003, Value: 0, URL: , Text: Stock Gift at price 0.00 per share., Insider: SHOQUIST DEBORA C,  
Position: Officer, Transaction: , Start Date: 2024-02-01 00:00:00, Ownership: D  
Shares: 36000, Value: 19690344, URL: , Text: Sale at price 546.95 per share., Insider: STEVENS MARK A,  
Position: Director, Transaction: , Start Date: 2024-01-12 00:00:00, Ownership: I  
Shares: 54148, Value: 29527009, URL: , Text: Sale at price 541.59 - 549.88 per share., Insider: STEVENS MARK  
A, Position: Director, Transaction: , Start Date: 2024-01-11 00:00:00, Ownership: I  
Shares: 5676, Value: 2838000, URL: , Text: Sale at price 500.00 per share., Insider: SHOQUIST DEBORA C,  
Position: Officer, Transaction: , Start Date: 2024-01-08 00:00:00, Ownership: I  
Shares: 450, Value: 218079, URL: , Text: Sale at price 484.62 per share., Insider: ROBERTSON DONALD F JR,  
Position: Officer, Transaction: , Start Date: 2024-01-05 00:00:00, Ownership: D  
Shares: 20000, Value: 10000860, URL: , Text: Sale at price 500.04 per share., Insider: SHOQUIST DEBORA C,  
Position: Officer, Transaction: , Start Date: 2023-12-18 00:00:00, Ownership: I  
Shares: 1000, Value: 492525, URL: , Text: Sale at price 492.52 per share., Insider: HUDSON BEACH DAWN E,  
Position: Director, Transaction: , Start Date: 2023-12-15 00:00:00, Ownership: D  
Shares: 10200, Value: 5000042, URL: , Text: Sale at price 489.90 - 490.82 per share., Insider: STEVENS MARK  
A, Position: Director, Transaction: , Start Date: 2023-12-15 00:00:00, Ownership: I  
Shares: 11145, Value: 0, URL: , Text: Stock Gift at price 0.00 per share., Insider: TETER TIMOTHY S, Position:  
General Counsel, Transaction: , Start Date: 2023-12-14 00:00:00, Ownership: D  
Shares: 10400, Value: 5008640, URL: , Text: Sale at price 481.60 per share., Insider: STEVENS MARK A,  
Position: Director, Transaction: , Start Date: 2023-12-13 00:00:00, Ownership: I  
Shares: 15824, Value: 7633761, URL: , Text: Sale at price 479.37 - 487.29 per share., Insider: SHOQUIST  
DEBORA C, Position: Officer, Transaction: , Start Date: 2023-11-29 00:00:00, Ownership: I



Shares: 116000, Value: 0, URL: , Text: Stock Gift at price 0.00 per share., Insider: HUANG JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2023-11-29 00:00:00, Ownership: I

Shares: 11000, Value: 5255469, URL: , Text: Sale at price 477.77 per share., Insider: HUDSON BEACH DAWN E, Position: Director, Transaction: , Start Date: 2023-11-28 00:00:00, Ownership: D

Shares: 40000, Value: 19199010, URL: , Text: Sale at price 475.90 - 485.08 per share., Insider: SHOQUIST DEBORA C, Position: Officer, Transaction: , Start Date: 2023-11-28 00:00:00, Ownership: I

Shares: 40000, Value: 19199010, URL: , Text: Sale at price 475.90 - 485.08 per share., Insider: SHOQUIST DEBORA C, Position: Officer, Transaction: , Start Date: 2023-11-28 00:00:00, Ownership: I

Shares: 10280, Value: 4966714, URL: , Text: Sale at price 482.00 - 483.18 per share., Insider: STEVENS MARK A, Position: Director, Transaction: , Start Date: 2023-11-27 00:00:00, Ownership: I

Shares: 1000, Value: 0, URL: , Text: Stock Gift at price 0.00 per share., Insider: NEAL STEPHEN C., Position: Director, Transaction: , Start Date: 2023-11-27 00:00:00, Ownership: I

Shares: 218, Value: 105728, URL: , Text: Sale at price 484.99 per share., Insider: DABIRI JOHN O, Position: Director, Transaction: , Start Date: 2023-11-24 00:00:00, Ownership: D

Shares: 2300, Value: 0, URL: , Text: Stock Gift at price 0.00 per share., Insider: DRELL PERSIS S, Position: Director, Transaction: , Start Date: 2023-10-06 00:00:00, Ownership: I

Shares: 204, Value: 0, URL: , Text: Stock Gift at price 0.00 per share., Insider: DRELL PERSIS S, Position: Director, Transaction: , Start Date: 2023-09-21 00:00:00, Ownership: I

Shares: 148434, Value: 593736, URL: , Text: Conversion of Exercise of derivative security at price 4.00 per share., Insider: HUANG JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2023-09-15 00:00:00, Ownership: D

Shares: 29684, Value: 13528345, URL: , Text: Sale at price 452.23 - 458.98 per share., Insider: HUANG JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2023-09-14 00:00:00, Ownership: D

Shares: 29688, Value: 13478507, URL: , Text: Sale at price 445.58 - 459.01 per share., Insider: HUANG JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2023-09-13 00:00:00, Ownership: D

Shares: 29688, Value: 118752, URL: , Text: Conversion of Exercise of derivative security at price 4.00 per share., Insider: HUANG JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2023-09-13 00:00:00, Ownership: D

Shares: 29688, Value: 13417928, URL: , Text: Sale at price 446.19 - 455.90 per share., Insider: HUANG JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2023-09-12 00:00:00, Ownership: D

Shares: 29688, Value: 118752, URL: , Text: Conversion of Exercise of derivative security at price 4.00 per share., Insider: HUANG JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2023-09-12 00:00:00, Ownership: D

Shares: 10000, Value: 0, URL: , Text: Stock Gift at price 0.00 per share., Insider: SHOQUIST DEBORA C,  
Position: Officer, Transaction: , Start Date: 2023-09-12 00:00:00, Ownership: I

Shares: 29688, Value: 13329754, URL: , Text: Sale at price 443.92 - 461.63 per share., Insider: HUANG  
JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2023-09-11 00:00:00, Ownership: D

Shares: 29688, Value: 118752, URL: , Text: Conversion of Exercise of derivative security at price 4.00 per share.,  
Insider: HUANG JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2023-09-11 00:00:00,  
Ownership: D

Shares: 148438, Value: 593752, URL: , Text: Conversion of Exercise of derivative security at price 4.00 per  
share., Insider: HUANG JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2023-09-08  
00:00:00, Ownership: D

Shares: 29688, Value: 13605939, URL: , Text: Sale at price 453.74 - 462.96 per share., Insider: HUANG  
JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2023-09-07 00:00:00, Ownership: D

Shares: 29688, Value: 13999287, URL: , Text: Sale at price 466.86 - 485.44 per share., Insider: HUANG  
JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2023-09-06 00:00:00, Ownership: D

Shares: 29688, Value: 118752, URL: , Text: Conversion of Exercise of derivative security at price 4.00 per share.,  
Insider: HUANG JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2023-09-06 00:00:00,  
Ownership: D

Shares: 59376, Value: 28828766, URL: , Text: Sale at price 478.97 - 497.82 per share., Insider: HUANG  
JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2023-09-05 00:00:00, Ownership: D

Shares: 59376, Value: 237504, URL: , Text: Conversion of Exercise of derivative security at price 4.00 per share.,  
Insider: HUANG JEN-HSUN, Position: Chief Executive Officer, Transaction: , Start Date: 2023-09-05 00:00:00,  
Ownership: D

Shares: 52175, Value: 25091708, URL: , Text: Sale at price 468.08 - 489.91 per share., Insider: STEVENS MARK  
A, Position: Director, Transaction: , Start Date: 2023-08-29 00:00:00, Ownership: I

Shares: 3852, Value: 0, URL: , Text: Stock Gift at price 0.00 per share., Insider: MCCAFFERY MICHAEL G,  
Position: Director, Transaction: , Start Date: 2023-08-29 00:00:00, Ownership: I

Shares: 4980, Value: 2294476, URL: , Text: Sale at price 451.56 - 469.00 per share., Insider: KRESS COLETTE  
M., Position: Chief Financial Officer, Transaction: , Start Date: 2023-08-28 00:00:00, Ownership: D

Shares: 10132, Value: 0, URL: , Text: Stock Gift at price 0.00 per share., Insider: MCCAFFERY MICHAEL G,  
Position: Director, Transaction: , Start Date: 2023-08-28 00:00:00, Ownership: I

Shares: 1177, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: LORA MELISSA,  
Position: Director, Transaction: , Start Date: 2023-08-08 00:00:00, Ownership: D

Shares: 119724, Value: 0, URL: , Text: Stock Gift at price 0.00 per share., Insider: JONES HARVEY C JR.,

Position: Director, Transaction: , Start Date: 2023-06-29 00:00:00, Ownership: D

Shares: 283, Value: 120142, URL: , Text: Sale at price 424.53 per share., Insider: DABIRI JOHN O, Position:

Director, Transaction: , Start Date: 2023-06-26 00:00:00, Ownership: D

Shares: 5572, Value: 0, URL: , Text: Stock Gift at price 0.00 per share., Insider: TETER TIMOTHY S, Position:

General Counsel, Transaction: , Start Date: 2023-06-26 00:00:00, Ownership: D

Shares: 650, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: DRELL PERSIS S,

Position: Director, Transaction: , Start Date: 2023-06-23 00:00:00, Ownership: D

Shares: 650, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: SHAH AARTI S,

Position: Director, Transaction: , Start Date: 2023-06-23 00:00:00, Ownership: D

Shares: 650, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: NEAL STEPHEN C.,

Position: Director, Transaction: , Start Date: 2023-06-23 00:00:00, Ownership: D

Shares: 650, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: DABIRI JOHN O,

Position: Director, Transaction: , Start Date: 2023-06-23 00:00:00, Ownership: D

Shares: 650, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: JONES HARVEY C JR.,

Position: Director, Transaction: , Start Date: 2023-06-23 00:00:00, Ownership: D

Shares: 650, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: PERRY MARK L,

Position: Director, Transaction: , Start Date: 2023-06-23 00:00:00, Ownership: D

Shares: 650, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: STEVENS MARK A,

Position: Director, Transaction: , Start Date: 2023-06-23 00:00:00, Ownership: D

Shares: 650, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: BURGESS ROBERT

KENNETH, Position: Director, Transaction: , Start Date: 2023-06-23 00:00:00, Ownership: D

Shares: 650, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: HUDSON BEACH

DAWN E, Position: Director, Transaction: , Start Date: 2023-06-23 00:00:00, Ownership: D

Shares: 650, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: COXE TENCH C,

Position: Director, Transaction: , Start Date: 2023-06-23 00:00:00, Ownership: D

Shares: 650, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: MCCAFFERY MICHAEL

G, Position: Director, Transaction: , Start Date: 2023-06-23 00:00:00, Ownership: D

Shares: 650, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: HUDSON DAWN E,

Position: Director, Transaction: , Start Date: 2023-06-23 00:00:00, Ownership: D

Shares: 650, Value: 0, URL: , Text: Stock Award(Grant) at price 0.00 per share., Insider: SEAWELL A BROOKE,

Position: Director, Transaction: , Start Date: 2023-06-23 00:00:00, Ownership: D

## Insider Purchases

Insider Purchases Last 6m: Purchases, Shares: 2189663.0, Trans: 18

Insider Purchases Last 6m: Sales, Shares: 10596124.0, Trans: 53

Insider Purchases Last 6m: Net Shares Purchased (Sold), Shares: -8406461.0, Trans: 71

Insider Purchases Last 6m: Total Insider Shares Held, Shares: 1053318272.0, Trans: <NA>

Insider Purchases Last 6m: % Net Shares Purchased (Sold), Shares: -0.008, Trans: <NA>

Insider Purchases Last 6m: % Buy Shares, Shares: 0.002, Trans: <NA>

Insider Purchases Last 6m: % Sell Shares, Shares: 0.01, Trans: <NA>

## Upgrades/Downgrades

Firm: B of A Securities, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Goldman Sachs, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Morgan Stanley, ToGrade: Overweight, FromGrade: Overweight, Action: reit

Firm: Cantor Fitzgerald, ToGrade: Overweight, FromGrade: Overweight, Action: reit

Firm: UBS, ToGrade: Buy, FromGrade: Buy, Action: reit

Firm: William Blair, ToGrade: Outperform, FromGrade: , Action: init

Firm: B of A Securities, ToGrade: Buy, FromGrade: Buy, Action: reit

Firm: Bernstein, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Piper Sandler, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Wedbush, ToGrade: Outperform, FromGrade: Outperform, Action: reit

Firm: Cantor Fitzgerald, ToGrade: Overweight, FromGrade: Overweight, Action: reit

Firm: DA Davidson, ToGrade: Neutral, FromGrade: Neutral, Action: main

Firm: Benchmark, ToGrade: Buy, FromGrade: Buy, Action: reit

Firm: Truist Securities, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: JP Morgan, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Morgan Stanley, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: WestPark Capital, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Craig-Hallum, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Wells Fargo, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: B of A Securities, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Rosenblatt, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Baird, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Needham, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Raymond James, ToGrade: Strong Buy, FromGrade: Strong Buy, Action: main

Firm: Mizuho, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Truist Securities, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Loop Capital, ToGrade: Buy, FromGrade: Buy, Action: reit

Firm: Wedbush, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Evercore ISI Group, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Rosenblatt, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: HSBC, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Goldman Sachs, ToGrade: Buy, FromGrade: Buy, Action: reit

Firm: New Street Research, ToGrade: Buy, FromGrade: Neutral, Action: up

Firm: Goldman Sachs, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: Hold, Action: main

Firm: Loop Capital, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Piper Sandler, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: TD Cowen, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Benchmark, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Keybanc, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: UBS, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: New Street Research, ToGrade: Neutral, FromGrade: Buy, Action: down

Firm: Morgan Stanley, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Truist Securities, ToGrade: Buy, FromGrade: Buy, Action: reit

Firm: Cantor Fitzgerald, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Citigroup, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Jefferies, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Melius Research, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Tigress Financial, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Wells Fargo, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Rosenblatt, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Argus Research, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Evercore ISI Group, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Goldman Sachs, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Morgan Stanley, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: TD Cowen, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Barclays, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: Positive, Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Citigroup, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: Hold, Action: main

Firm: Craig-Hallum, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Wedbush, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: TD Cowen, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Cantor Fitzgerald, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Argus Research, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Morgan Stanley, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Jefferies, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Raymond James, ToGrade: Strong Buy, FromGrade: Strong Buy, Action: reit

Firm: Wells Fargo, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: UBS, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Benchmark, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: Outperform, Action: reit

Firm: Truist Securities, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Barclays, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: JP Morgan, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: Positive, Action: main

Firm: Bernstein, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Rosenblatt, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Keybanc, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Stifel, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Piper Sandler, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Evercore ISI Group, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: B of A Securities, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Needham, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Goldman Sachs, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Wolfe Research, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Barclays, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: Positive, Action: main

Firm: Rosenblatt, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Stifel, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Baird, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: Outperform, Action: reit

Firm: Wedbush, ToGrade: Outperform, FromGrade: Outperform, Action: reit

Firm: Wells Fargo, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: HSBC, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Goldman Sachs, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: UBS, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Evercore ISI Group, ToGrade: Outperform, FromGrade: , Action: init

Firm: Raymond James, ToGrade: Strong Buy, FromGrade: Strong Buy, Action: main

Firm: Keybanc, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: Positive, Action: main

Firm: UBS, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: TD Cowen, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Argus Research, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Stifel, ToGrade: Buy, FromGrade: Buy, Action: reit

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: Hold, Action: main

Firm: Goldman Sachs, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Benchmark, ToGrade: Buy, FromGrade: Buy, Action: reit

Firm: Citigroup, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Piper Sandler, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Keybanc, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Wedbush, ToGrade: Outperform, FromGrade: Outperform, Action: reit

Firm: Susquehanna, ToGrade: Positive, FromGrade: Positive, Action: main

Firm: Wells Fargo, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Truist Securities, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: HSBC, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: B of A Securities, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Cantor Fitzgerald, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: CICC, ToGrade: Outperform, FromGrade: , Action: init

Firm: Cantor Fitzgerald, ToGrade: Overweight, FromGrade: Overweight, Action: reit

Firm: Tigress Financial, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Keybank, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Argus Research, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Craig-Hallum, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: DA Davidson, ToGrade: Neutral, FromGrade: Neutral, Action: main

Firm: Needham, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Cantor Fitzgerald, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Bernstein, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Wolfe Research, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: HSBC, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: Hold, Action: main

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: Outperform, Action: reit

Firm: UBS, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Truist Securities, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: B of A Securities, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Benchmark, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Stifel, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Morgan Stanley, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: JP Morgan, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Jefferies, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Wedbush, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Cantor Fitzgerald, ToGrade: Overweight, FromGrade: Overweight, Action: reit

Firm: Rosenblatt, ToGrade: Buy, FromGrade: Buy, Action: reit

Firm: Baird, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Wells Fargo, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Wedbush, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Loop Capital, ToGrade: Buy, FromGrade: , Action: init

Firm: Susquehanna, ToGrade: Positive, FromGrade: Positive, Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Cantor Fitzgerald, ToGrade: Overweight, FromGrade: Overweight, Action: reit



Firm: Morgan Stanley, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Goldman Sachs, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Cantor Fitzgerald, ToGrade: Overweight, FromGrade: Overweight, Action: reit

Firm: Cantor Fitzgerald, ToGrade: Overweight, FromGrade: , Action: init

Firm: Raymond James, ToGrade: Strong Buy, FromGrade: Strong Buy, Action: main

Firm: Tigress Financial, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Keybanc, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: DA Davidson, ToGrade: Neutral, FromGrade: , Action: init

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: Outperform, Action: reit

Firm: Stifel, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: Positive, Action: reit

Firm: UBS, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Edward Jones, ToGrade: Hold, FromGrade: Buy, Action: down

Firm: Mizuho, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Benchmark, ToGrade: Buy, FromGrade: Buy, Action: reit

Firm: BMO Capital, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Wedbush, ToGrade: Outperform, FromGrade: Outperform, Action: reit

Firm: Wells Fargo, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Morgan Stanley, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Needham, ToGrade: Buy, FromGrade: Buy, Action: reit

Firm: Stifel, ToGrade: Buy, FromGrade: Buy, Action: reit

Firm: Piper Sandler, ToGrade: Overweight, FromGrade: Overweight, Action: reit

Firm: Wedbush, ToGrade: Outperform, FromGrade: Outperform, Action: reit

Firm: Bernstein, ToGrade: Outperform, FromGrade: Outperform, Action: reit

Firm: Keybanc, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Morgan Stanley, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Citigroup, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Keybanc, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Goldman Sachs, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Truist Securities, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Craig-Hallum, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Argus Research, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Jefferies, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: TD Cowen, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: Positive, Action: main

Firm: Wells Fargo, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Baird, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: UBS, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Wedbush, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Benchmark, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: BMO Capital, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Morgan Stanley, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: B of A Securities, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Wolfe Research, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Piper Sandler, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: JP Morgan, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Citigroup, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Raymond James, ToGrade: Strong Buy, FromGrade: Strong Buy, Action: main

Firm: Barclays, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Rosenblatt, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: Hold, Action: main

Firm: WestPark Capital, ToGrade: Buy, FromGrade: Hold, Action: up

Firm: Stifel, ToGrade: Buy, FromGrade: Hold, Action: up

Firm: Exane BNP Paribas, ToGrade: Outperform, FromGrade: Neutral, Action: up

Firm: Keybanc, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: BMO Capital, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: HSBC, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Keybanc, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Wedbush, ToGrade: Outperform, FromGrade: Outperform, Action: reit

Firm: Rosenblatt, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Raymond James, ToGrade: Strong Buy, FromGrade: Strong Buy, Action: main

Firm: Piper Sandler, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Baird, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Wells Fargo, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: UBS, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: Positive, Action: main

Firm: Barclays, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Wolfe Research, ToGrade: Outperform, FromGrade: , Action: init

Firm: Truist Securities, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Keybanc, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Goldman Sachs, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Tigress Financial, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Daiwa Capital, ToGrade: Outperform, FromGrade: Neutral, Action: up

Firm: Rosenblatt, ToGrade: Buy, FromGrade: Buy, Action: reit

Firm: Mizuho, ToGrade: Buy, FromGrade: Buy, Action: reit

Firm: Morgan Stanley, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: B of A Securities, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Goldman Sachs, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: Hold, Action: main

Firm: Piper Sandler, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: UBS, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: BMO Capital, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Stifel, ToGrade: Hold, FromGrade: Hold, Action: main

Firm: B of A Securities, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Baird, ToGrade: Outperform, FromGrade: Neutral, Action: up

Firm: Jefferies, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Craig-Hallum, ToGrade: Buy, FromGrade: Hold, Action: up

Firm: Evercore ISI Group, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Morgan Stanley, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Wedbush, ToGrade: Outperform, FromGrade: Neutral, Action: up

Firm: Rosenblatt, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: TD Cowen, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Truist Securities, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Raymond James, ToGrade: Strong Buy, FromGrade: Strong Buy, Action: main

Firm: JP Morgan, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Wells Fargo, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: Positive, Action: main

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Needham, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Citigroup, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Goldman Sachs, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Barclays, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Bernstein, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Keybanc, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Citigroup, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Stifel, ToGrade: Hold, FromGrade: Hold, Action: main

Firm: Wedbush, ToGrade: Neutral, FromGrade: Neutral, Action: main

Firm: Keybanc, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: Positive, Action: main

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Rosenblatt, ToGrade: Buy, FromGrade: Buy, Action: reit

Firm: Truist Securities, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Erste Group, ToGrade: Buy, FromGrade: Hold, Action: up

Firm: Evercore ISI Group, ToGrade: Outperform, FromGrade: , Action: reit

Firm: B of A Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: HSBC, ToGrade: Buy, FromGrade: Reduce, Action: up

Firm: Piper Sandler, ToGrade: Overweight, FromGrade: , Action: main

Firm: Evercore ISI Group, ToGrade: Outperform, FromGrade: , Action: main

Firm: Keybanc, ToGrade: Overweight, FromGrade: , Action: main

Firm: Tigress Financial, ToGrade: Buy, FromGrade: , Action: reit

Firm: Susquehanna, ToGrade: Positive, FromGrade: Positive, Action: main

Firm: Piper Sandler, ToGrade: Overweight, FromGrade: , Action: main

Firm: Bernstein, ToGrade: Outperform, FromGrade: , Action: main

Firm: UBS, ToGrade: Buy, FromGrade: , Action: main

Firm: Needham, ToGrade: Buy, FromGrade: , Action: main

Firm: Truist Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: BMO Capital, ToGrade: Outperform, FromGrade: , Action: main

Firm: TD Cowen, ToGrade: Outperform, FromGrade: , Action: main

Firm: Rosenblatt, ToGrade: Buy, FromGrade: , Action: reit

Firm: Mizuho, ToGrade: Buy, FromGrade: , Action: main

Firm: Wells Fargo, ToGrade: Overweight, FromGrade: , Action: main

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: , Action: main

Firm: Needham, ToGrade: Buy, FromGrade: , Action: reit

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: , Action: main

Firm: Exane BNP Paribas, ToGrade: Neutral, FromGrade: Underperform, Action: up

Firm: Citigroup, ToGrade: Buy, FromGrade: , Action: main

Firm: Morgan Stanley, ToGrade: Overweight, FromGrade: Equal-Weight, Action: up

Firm: Wedbush, ToGrade: Neutral, FromGrade: , Action: reit

Firm: Susquehanna, ToGrade: Positive, FromGrade: , Action: reit

Firm: Craig-Hallum, ToGrade: Hold, FromGrade: , Action: main

Firm: Jefferies, ToGrade: Buy, FromGrade: , Action: main

Firm: Stifel, ToGrade: Hold, FromGrade: , Action: main

Firm: Goldman Sachs, ToGrade: Buy, FromGrade: Neutral, Action: up

Firm: Truist Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: B of A Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: Morgan Stanley, ToGrade: Equal-Weight, FromGrade: , Action: main

Firm: BMO Capital, ToGrade: Outperform, FromGrade: , Action: main

Firm: Wells Fargo, ToGrade: Overweight, FromGrade: , Action: main

Firm: Rosenblatt, ToGrade: Buy, FromGrade: , Action: reit

Firm: Baird, ToGrade: Neutral, FromGrade: , Action: main

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: , Action: main

Firm: JP Morgan, ToGrade: Overweight, FromGrade: , Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: , Action: main

Firm: Barclays, ToGrade: Overweight, FromGrade: , Action: main

Firm: Piper Sandler, ToGrade: Overweight, FromGrade: , Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: , Action: main

Firm: Citigroup, ToGrade: Buy, FromGrade: , Action: main

Firm: Evercore ISI Group, ToGrade: Outperform, FromGrade: , Action: main

Firm: Needham, ToGrade: Buy, FromGrade: , Action: main

Firm: TD Cowen, ToGrade: Outperform, FromGrade: , Action: main

Firm: Piper Sandler, ToGrade: Overweight, FromGrade: , Action: main

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: , Action: main

Firm: Morgan Stanley, ToGrade: Equal-Weight, FromGrade: , Action: main

Firm: Stifel, ToGrade: Hold, FromGrade: , Action: main

Firm: BMO Capital, ToGrade: Outperform, FromGrade: , Action: main

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: , Action: main

Firm: Keybanc, ToGrade: Overweight, FromGrade: , Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: , Action: main

Firm: DZ Bank, ToGrade: Sell, FromGrade: Buy, Action: down

Firm: B of A Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: Truist Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: Barclays, ToGrade: Overweight, FromGrade: , Action: main

Firm: Keybanc, ToGrade: Overweight, FromGrade: , Action: main

Firm: Needham, ToGrade: Buy, FromGrade: , Action: main

Firm: HSBC, ToGrade: Reduce, FromGrade: , Action: init

Firm: Evercore ISI Group, ToGrade: Outperform, FromGrade: , Action: main

Firm: TD Cowen, ToGrade: Outperform, FromGrade: , Action: main

Firm: Tigress Financial, ToGrade: Buy, FromGrade: , Action: main

Firm: Summit Insights Group, ToGrade: Buy, FromGrade: Hold, Action: up

Firm: Stifel, ToGrade: Hold, FromGrade: , Action: main

Firm: Wedbush, ToGrade: Neutral, FromGrade: , Action: main

Firm: Morgan Stanley, ToGrade: Equal-Weight, FromGrade: , Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: , Action: main

Firm: Raymond James, ToGrade: Strong Buy, FromGrade: , Action: main

Firm: Needham, ToGrade: Buy, FromGrade: , Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: , Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: , Action: main

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: , Action: main

Firm: Barclays, ToGrade: Overweight, FromGrade: , Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: , Action: main

Firm: Citigroup, ToGrade: Buy, FromGrade: , Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: Positive, Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: , Action: main

Firm: BMO Capital, ToGrade: Outperform, FromGrade: , Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: , Action: main

Firm: Stifel, ToGrade: Hold, FromGrade: , Action: init

Firm: Needham, ToGrade: Buy, FromGrade: , Action: main

Firm: Piper Sandler, ToGrade: Overweight, FromGrade: , Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: Positive, Action: main

Firm: Craig-Hallum, ToGrade: Hold, FromGrade: , Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: , Action: main

Firm: Truist Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: Wedbush, ToGrade: Neutral, FromGrade: , Action: main

Firm: Baird, ToGrade: Neutral, FromGrade: , Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: , Action: main

Firm: BMO Capital, ToGrade: Outperform, FromGrade: , Action: main

Firm: Benchmark, ToGrade: Buy, FromGrade: , Action: main

Firm: Barclays, ToGrade: Overweight, FromGrade: , Action: main

Firm: Raymond James, ToGrade: Strong Buy, FromGrade: , Action: main

Firm: Citigroup, ToGrade: Buy, FromGrade: , Action: main

Firm: JP Morgan, ToGrade: Overweight, FromGrade: , Action: main

Firm: Truist Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: , Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: , Action: main

Firm: Raymond James, ToGrade: Strong Buy, FromGrade: , Action: main

Firm: Craig-Hallum, ToGrade: Hold, FromGrade: Buy, Action: down

Firm: Barclays, ToGrade: Overweight, FromGrade: , Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: , Action: main

Firm: Baird, ToGrade: Neutral, FromGrade: , Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: , Action: main

Firm: Citigroup, ToGrade: Buy, FromGrade: , Action: main

Firm: Keybanc, ToGrade: Overweight, FromGrade: , Action: main

Firm: Piper Sandler, ToGrade: Overweight, FromGrade: , Action: main

Firm: B of A Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: Baird, ToGrade: Neutral, FromGrade: , Action: main

Firm: BMO Capital, ToGrade: Outperform, FromGrade: , Action: main

Firm: Needham, ToGrade: Buy, FromGrade: , Action: main

Firm: Cowen & Co., ToGrade: Outperform, FromGrade: , Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: , Action: main

Firm: Raymond James, ToGrade: Strong Buy, FromGrade: , Action: main

Firm: JP Morgan, ToGrade: Overweight, FromGrade: , Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: , Action: main

Firm: Morgan Stanley, ToGrade: Equal-Weight, FromGrade: , Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: , Action: main

Firm: Citigroup, ToGrade: Buy, FromGrade: , Action: main

Firm: Piper Sandler, ToGrade: Overweight, FromGrade: , Action: main

Firm: Truist Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: Keybanc, ToGrade: Overweight, FromGrade: , Action: main

Firm: Truist Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: Bernstein, ToGrade: Outperform, FromGrade: , Action: main

Firm: UBS, ToGrade: Buy, FromGrade: , Action: main

Firm: Wells Fargo, ToGrade: Overweight, FromGrade: , Action: main

Firm: Wedbush, ToGrade: Neutral, FromGrade: , Action: main

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: , Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: , Action: main

Firm: Barclays, ToGrade: Overweight, FromGrade: , Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: , Action: main

Firm: New Street Research, ToGrade: Buy, FromGrade: Neutral, Action: up

Firm: Susquehanna, ToGrade: Positive, FromGrade: Positive, Action: main

Firm: Keybanc, ToGrade: Overweight, FromGrade: , Action: main

Firm: Baird, ToGrade: Neutral, FromGrade: Outperform, Action: down

Firm: Truist Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: Tigress Financial, ToGrade: Buy, FromGrade: , Action: main

Firm: TD Cowen, ToGrade: Outperform, FromGrade: , Action: reit

Firm: Summit Insights Group, ToGrade: Hold, FromGrade: Buy, Action: down

Firm: Mizuho, ToGrade: Buy, FromGrade: , Action: main

Firm: Truist Securities, ToGrade: Buy, FromGrade: , Action: reit

Firm: Susquehanna, ToGrade: Positive, FromGrade: , Action: reit

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: , Action: main



Firm: Truist Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: Needham, ToGrade: Buy, FromGrade: , Action: main

Firm: Raymond James, ToGrade: Strong Buy, FromGrade: , Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: , Action: main

Firm: Piper Sandler, ToGrade: Overweight, FromGrade: , Action: main

Firm: Keybanc, ToGrade: Overweight, FromGrade: , Action: main

Firm: Credit Suisse, ToGrade: Outperform, FromGrade: , Action: main

Firm: Wedbush, ToGrade: Neutral, FromGrade: Outperform, Action: down

Firm: Susquehanna, ToGrade: Positive, FromGrade: Positive, Action: main

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: , Action: main

Firm: B of A Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: Wells Fargo, ToGrade: Overweight, FromGrade: , Action: main

Firm: Piper Sandler, ToGrade: Overweight, FromGrade: , Action: main

Firm: Keybanc, ToGrade: Overweight, FromGrade: , Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: , Action: main

Firm: B of A Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: , Action: main

Firm: Credit Suisse, ToGrade: Outperform, FromGrade: , Action: main

Firm: Rosenblatt, ToGrade: Buy, FromGrade: , Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: , Action: main

Firm: Summit Insights Group, ToGrade: Sell, FromGrade: Hold, Action: down

Firm: Barclays, ToGrade: Overweight, FromGrade: , Action: main

Firm: Needham, ToGrade: Buy, FromGrade: , Action: main

Firm: Keybanc, ToGrade: Overweight, FromGrade: , Action: main

Firm: Evercore ISI Group, ToGrade: Outperform, FromGrade: , Action: main

Firm: UBS, ToGrade: Buy, FromGrade: , Action: main

Firm: Wells Fargo, ToGrade: Overweight, FromGrade: , Action: main

Firm: Rosenblatt, ToGrade: Buy, FromGrade: , Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: , Action: main

Firm: Truist Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: Keybanc, ToGrade: Overweight, FromGrade: , Action: main

Firm: BMO Capital, ToGrade: Outperform, FromGrade: , Action: main

Firm: Raymond James, ToGrade: Strong Buy, FromGrade: , Action: main

Firm: B of A Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: Jefferies, ToGrade: Buy, FromGrade: , Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: Positive, Action: main

Firm: Truist Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: Piper Sandler, ToGrade: Overweight, FromGrade: , Action: main

Firm: BMO Capital, ToGrade: Outperform, FromGrade: , Action: main

Firm: Wedbush, ToGrade: Outperform, FromGrade: , Action: main

Firm: Evercore ISI Group, ToGrade: Outperform, FromGrade: , Action: main

Firm: Craig-Hallum, ToGrade: Buy, FromGrade: Hold, Action: up

Firm: UBS, ToGrade: Buy, FromGrade: , Action: main

Firm: Jefferies, ToGrade: Buy, FromGrade: , Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: , Action: main

Firm: B of A Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: , Action: main

Firm: Keybanc, ToGrade: Overweight, FromGrade: , Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: , Action: reit

Firm: Baird, ToGrade: Outperform, FromGrade: , Action: init

Firm: Raymond James, ToGrade: Strong Buy, FromGrade: Outperform, Action: up

Firm: Wells Fargo, ToGrade: Overweight, FromGrade: , Action: main

Firm: Cowen & Co., ToGrade: Outperform, FromGrade: , Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: , Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: , Action: main

Firm: Rosenblatt, ToGrade: Buy, FromGrade: , Action: main

Firm: Barclays, ToGrade: Overweight, FromGrade: , Action: main

Firm: Cowen & Co., ToGrade: Outperform, FromGrade: , Action: main

Firm: JP Morgan, ToGrade: Overweight, FromGrade: , Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: , Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: , Action: main

Firm: Piper Sandler, ToGrade: Overweight, FromGrade: , Action: main

Firm: Raymond James, ToGrade: Outperform, FromGrade: , Action: main

Firm: Needham, ToGrade: Buy, FromGrade: , Action: main

Firm: Cascend, ToGrade: Buy, FromGrade: , Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: Positive, Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: , Action: main

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: , Action: main

Firm: Barclays, ToGrade: Overweight, FromGrade: , Action: main

Firm: Truist Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: , Action: main

Firm: B of A Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: , Action: main

Firm: Raymond James, ToGrade: Outperform, FromGrade: , Action: main

Firm: Rosenblatt, ToGrade: Buy, FromGrade: , Action: main

Firm: Truist Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: JP Morgan, ToGrade: Overweight, FromGrade: , Action: main

Firm: BMO Capital, ToGrade: Outperform, FromGrade: , Action: main

Firm: Cascend, ToGrade: Buy, FromGrade: , Action: main

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: , Action: main

Firm: Craig-Hallum, ToGrade: Hold, FromGrade: , Action: main

Firm: Needham, ToGrade: Buy, FromGrade: , Action: main

Firm: Jefferies, ToGrade: Buy, FromGrade: , Action: main

Firm: RBC Capital, ToGrade: Outperform, FromGrade: , Action: main

Firm: Goldman Sachs, ToGrade: Buy, FromGrade: , Action: main

Firm: Benchmark, ToGrade: Buy, FromGrade: , Action: main

Firm: B of A Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: Credit Suisse, ToGrade: Outperform, FromGrade: , Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: , Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: , Action: main

Firm: Jefferies, ToGrade: Buy, FromGrade: , Action: main

Firm: Wells Fargo, ToGrade: Overweight, FromGrade: , Action: main

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: , Action: main

Firm: Citigroup, ToGrade: Buy, FromGrade: , Action: main

Firm: Barclays, ToGrade: Overweight, FromGrade: , Action: main

Firm: Credit Suisse, ToGrade: Outperform, FromGrade: , Action: main

Firm: Raymond James, ToGrade: Outperform, FromGrade: , Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: , Action: main

Firm: Morgan Stanley, ToGrade: Equal-Weight, FromGrade: , Action: main

Firm: Rosenblatt, ToGrade: Buy, FromGrade: , Action: main

Firm: RBC Capital, ToGrade: Outperform, FromGrade: , Action: main

Firm: Needham, ToGrade: Buy, FromGrade: , Action: main

Firm: Wells Fargo, ToGrade: Overweight, FromGrade: , Action: main

Firm: Wedbush, ToGrade: Outperform, FromGrade: , Action: main

Firm: Raymond James, ToGrade: Outperform, FromGrade: , Action: main

Firm: Barclays, ToGrade: Overweight, FromGrade: , Action: main

Firm: Rosenblatt, ToGrade: Buy, FromGrade: , Action: main

Firm: B of A Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: Jefferies, ToGrade: Buy, FromGrade: , Action: main

Firm: Morgan Stanley, ToGrade: Equal-Weight, FromGrade: Overweight, Action: down

Firm: Morgan Stanley, ToGrade: Overweight, FromGrade: , Action: main

Firm: Cascend, ToGrade: Buy, FromGrade: , Action: main

Firm: Piper Sandler, ToGrade: Overweight, FromGrade: , Action: main

Firm: UBS, ToGrade: Buy, FromGrade: , Action: main

Firm: B of A Securities, ToGrade: Buy, FromGrade: , Action: reit

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: , Action: main

Firm: Raymond James, ToGrade: Outperform, FromGrade: , Action: reit

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: , Action: main

Firm: Wedbush, ToGrade: Outperform, FromGrade: , Action: main

Firm: Wells Fargo, ToGrade: Overweight, FromGrade: , Action: main

Firm: Nomura, ToGrade: Reduce, FromGrade: , Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: , Action: reit

Firm: SunTrust Robinson Humphrey, ToGrade: Buy, FromGrade: , Action: main

Firm: Rosenblatt, ToGrade: Buy, FromGrade: , Action: main

Firm: Needham, ToGrade: Buy, FromGrade: , Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: , Action: main

Firm: RBC Capital, ToGrade: Outperform, FromGrade: , Action: main

Firm: BMO Capital, ToGrade: Outperform, FromGrade: Market Perform, Action: up

Firm: Raymond James, ToGrade: Outperform, FromGrade: , Action: reit

Firm: Wedbush, ToGrade: Outperform, FromGrade: , Action: main

Firm: Needham, ToGrade: Buy, FromGrade: , Action: main

Firm: SunTrust Robinson Humphrey, ToGrade: Buy, FromGrade: , Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: , Action: main

Firm: Morgan Stanley, ToGrade: Overweight, FromGrade: , Action: main

Firm: UBS, ToGrade: Buy, FromGrade: , Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: , Action: main

Firm: Needham, ToGrade: Buy, FromGrade: Hold, Action: up

Firm: Wells Fargo, ToGrade: Overweight, FromGrade: , Action: main

Firm: Morgan Stanley, ToGrade: Overweight, FromGrade: , Action: main

Firm: Nomura, ToGrade: Reduce, FromGrade: Neutral, Action: down

Firm: Bernstein, ToGrade: Outperform, FromGrade: Market Perform, Action: up

Firm: Argus Research, ToGrade: Buy, FromGrade: , Action: reit

Firm: Craig-Hallum, ToGrade: Buy, FromGrade: , Action: main

Firm: Cascend, ToGrade: Buy, FromGrade: , Action: main

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: , Action: main

Firm: Morgan Stanley, ToGrade: Overweight, FromGrade: , Action: main

Firm: Wells Fargo, ToGrade: Overweight, FromGrade: , Action: main

Firm: Raymond James, ToGrade: Outperform, FromGrade: , Action: main

Firm: Wedbush, ToGrade: Outperform, FromGrade: , Action: main

Firm: Rosenblatt, ToGrade: Buy, FromGrade: , Action: main

Firm: UBS, ToGrade: Buy, FromGrade: , Action: main

Firm: Citigroup, ToGrade: Buy, FromGrade: , Action: main

Firm: SunTrust Robinson Humphrey, ToGrade: Buy, FromGrade: , Action: main

Firm: Cascend, ToGrade: Buy, FromGrade: , Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: , Action: main

Firm: Wedbush, ToGrade: Outperform, FromGrade: , Action: main

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: , Action: main

Firm: Wells Fargo, ToGrade: Overweight, FromGrade: , Action: main

Firm: RBC Capital, ToGrade: Outperform, FromGrade: , Action: main

Firm: UBS, ToGrade: Buy, FromGrade: , Action: main

Firm: Piper Sandler, ToGrade: Overweight, FromGrade: , Action: main

Firm: Craig-Hallum, ToGrade: Buy, FromGrade: , Action: reit

Firm: Argus Research, ToGrade: Buy, FromGrade: , Action: main

Firm: Needham, ToGrade: Hold, FromGrade: Underperform, Action: up

Firm: B of A Securities, ToGrade: Buy, FromGrade: , Action: reit

Firm: Benchmark, ToGrade: Buy, FromGrade: , Action: main

Firm: Wells Fargo, ToGrade: Overweight, FromGrade: , Action: main

Firm: Piper Sandler, ToGrade: Overweight, FromGrade: , Action: main

Firm: Cascend, ToGrade: Buy, FromGrade: , Action: main

Firm: Morgan Stanley, ToGrade: Overweight, FromGrade: Equal-Weight, Action: up

Firm: SunTrust Robinson Humphrey, ToGrade: Buy, FromGrade: , Action: main

Firm: JP Morgan, ToGrade: Overweight, FromGrade: , Action: main

Firm: Barclays, ToGrade: Overweight, FromGrade: , Action: main

Firm: Nomura, ToGrade: Neutral, FromGrade: , Action: main

Firm: Morgan Stanley, ToGrade: Equal-Weight, FromGrade: , Action: main

Firm: Raymond James, ToGrade: Outperform, FromGrade: , Action: reit

Firm: Benchmark, ToGrade: Buy, FromGrade: , Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: , Action: main

Firm: Craig-Hallum, ToGrade: Buy, FromGrade: Hold, Action: up

Firm: New Street Research, ToGrade: Neutral, FromGrade: Buy, Action: down

Firm: B of A Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: Citigroup, ToGrade: Buy, FromGrade: , Action: main

Firm: Wells Fargo, ToGrade: Outperform, FromGrade: , Action: main

Firm: Cascend, ToGrade: Buy, FromGrade: , Action: main

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: , Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: , Action: main

Firm: UBS, ToGrade: Buy, FromGrade: , Action: main

Firm: Wells Fargo, ToGrade: Outperform, FromGrade: , Action: main

Firm: Cascend, ToGrade: Buy, FromGrade: , Action: main

Firm: B of A Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: Evercore ISI Group, ToGrade: Outperform, FromGrade: , Action: main

Firm: RBC Capital, ToGrade: Outperform, FromGrade: , Action: main

Firm: SunTrust Robinson Humphrey, ToGrade: Buy, FromGrade: , Action: main

Firm: Morgan Stanley, ToGrade: Equal-Weight, FromGrade: , Action: main

Firm: Cascend, ToGrade: Buy, FromGrade: Hold, Action: up

Firm: Wedbush, ToGrade: Outperform, FromGrade: , Action: init

Firm: Barclays, ToGrade: Overweight, FromGrade: , Action: main

Firm: Summit Insights Group, ToGrade: Hold, FromGrade: Buy, Action: down

Firm: UBS, ToGrade: Buy, FromGrade: , Action: main

Firm: Stifel, ToGrade: Hold, FromGrade: , Action: main

Firm: Morgan Stanley, ToGrade: Equal-Weight, FromGrade: , Action: main

Firm: DZ Bank, ToGrade: Sell, FromGrade: , Action: down

Firm: Nomura, ToGrade: Neutral, FromGrade: , Action: init

Firm: Piper Sandler, ToGrade: Overweight, FromGrade: , Action: init

Firm: Atlantic Equities, ToGrade: Overweight, FromGrade: , Action: init

Firm: Bernstein, ToGrade: Market Perform, FromGrade: Outperform, Action: down

Firm: Needham, ToGrade: Underperform, FromGrade: Buy, Action: down

Firm: Morgan Stanley, ToGrade: Equal-Weight, FromGrade: Overweight, Action: down

Firm: UBS, ToGrade: Buy, FromGrade: Neutral, Action: up

Firm: RBC Capital, ToGrade: Outperform, FromGrade: Outperform, Action: reit

Firm: RBC Capital, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Credit Suisse, ToGrade: Outperform, FromGrade: , Action: init

Firm: Exane BNP Paribas, ToGrade: Underperform, FromGrade: Neutral, Action: down

Firm: Jefferies, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Raymond James, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: BMO Capital, ToGrade: Market Perform, FromGrade: Market Perform, Action: main

Firm: Nomura, ToGrade: Neutral, FromGrade: Neutral, Action: main

Firm: Wells Fargo, ToGrade: Outperform, FromGrade: Outperform, Action: main

Firm: Barclays, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Mizuho, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: Hold, Action: main

Firm: Goldman Sachs, ToGrade: Buy, FromGrade: Conviction Buy, Action: down

Firm: B. Riley Securities, ToGrade: Neutral, FromGrade: Buy, Action: down

Firm: B. Riley Securities, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Susquehanna, ToGrade: Positive, FromGrade: Neutral, Action: up

Firm: Citigroup, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Morgan Stanley, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: JP Morgan, ToGrade: Overweight, FromGrade: Neutral, Action: up

Firm: Keybanc, ToGrade: Sector Weight, FromGrade: , Action: init

Firm: Oppenheimer, ToGrade: Outperform, FromGrade: Perform, Action: up

Firm: Stifel, ToGrade: Hold, FromGrade: Hold, Action: main

Firm: Wells Fargo, ToGrade: Outperform, FromGrade: Underperform, Action: up

Firm: FBN Securities, ToGrade: Outperform, FromGrade: , Action: init

Firm: Benchmark, ToGrade: Buy, FromGrade: , Action: init

Firm: Cowen & Co., ToGrade: Outperform, FromGrade: , Action: init

Firm: UBS, ToGrade: Neutral, FromGrade: Neutral, Action: main

Firm: B. Riley Securities, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Barclays, ToGrade: Overweight, FromGrade: Overweight, Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: Hold, Action: main

Firm: Barclays, ToGrade: Overweight, FromGrade: Equal-Weight, Action: up

Firm: Morgan Stanley, ToGrade: Overweight, FromGrade: Equal-Weight, Action: up

Firm: Morgan Stanley, ToGrade: Overweight, FromGrade: Equal-Weight, Action: up

Firm: UBS, ToGrade: Neutral, FromGrade: , Action: init

Firm: BMO Capital, ToGrade: Market Perform, FromGrade: Market Perform, Action: main

Firm: B. Riley Securities, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Morgan Stanley, ToGrade: Equal-Weight, FromGrade: Equal-Weight, Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: Hold, Action: main

Firm: Citigroup, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Canaccord Genuity, ToGrade: Buy, FromGrade: , Action: main

Firm: BMO Capital, ToGrade: Market Perform, FromGrade: Underperform, Action: up

Firm: Barclays, ToGrade: Equal-Weight, FromGrade: , Action: main

Firm: B of A Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: BMO Capital, ToGrade: Underperform, FromGrade: , Action: main

Firm: Loop Capital, ToGrade: Buy, FromGrade: , Action: main

Firm: Morgan Stanley, ToGrade: Equal-Weight, FromGrade: , Action: main

Firm: Nomura, ToGrade: Neutral, FromGrade: Reduce, Action: up

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: , Action: main

Firm: Barclays, ToGrade: Equal-Weight, FromGrade: , Action: main

Firm: B of A Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: Canaccord Genuity, ToGrade: Buy, FromGrade: , Action: main

Firm: Citigroup, ToGrade: Buy, FromGrade: , Action: main

Firm: Nomura, ToGrade: Reduce, FromGrade: , Action: main

Firm: Barclays, ToGrade: Equal-Weight, FromGrade: , Action: main

Firm: SunTrust Robinson Humphrey, ToGrade: Buy, FromGrade: Neutral, Action: up



Firm: Jefferies, ToGrade: Buy, FromGrade: , Action: main

Firm: Pacific Crest, ToGrade: Sector Weight, FromGrade: Underweight, Action: up

Firm: Bernstein, ToGrade: Outperform, FromGrade: , Action: init

Firm: Pacific Crest, ToGrade: Underweight, FromGrade: , Action: down

Firm: Macquarie, ToGrade: Neutral, FromGrade: , Action: init

Firm: BMO Capital, ToGrade: Underperform, FromGrade: Market Perform, Action: down

Firm: Nomura, ToGrade: Reduce, FromGrade: Buy, Action: down

Firm: Roth Capital, ToGrade: Neutral, FromGrade: Buy, Action: down

Firm: Mizuho, ToGrade: Buy, FromGrade: , Action: main

Firm: Evercore ISI Group, ToGrade: Buy, FromGrade: Hold, Action: up

Firm: Loop Capital, ToGrade: Buy, FromGrade: , Action: init

Firm: MKM Partners, ToGrade: Buy, FromGrade: , Action: main

Firm: Needham, ToGrade: Buy, FromGrade: Hold, Action: up

Firm: Barclays, ToGrade: Equal-Weight, FromGrade: Underweight, Action: up

Firm: Citigroup, ToGrade: Buy, FromGrade: , Action: init

Firm: B. Riley Securities, ToGrade: Buy, FromGrade: Buy, Action: main

Firm: Susquehanna, ToGrade: Neutral, FromGrade: , Action: init

Firm: SunTrust Robinson Humphrey, ToGrade: Neutral, FromGrade: , Action: init

Firm: Argus Research, ToGrade: Buy, FromGrade: , Action: main

Firm: UBS, ToGrade: Buy, FromGrade: , Action: main

Firm: Jefferies, ToGrade: Buy, FromGrade: , Action: main

Firm: Goldman Sachs, ToGrade: Buy, FromGrade: , Action: main

Firm: Barclays, ToGrade: Underweight, FromGrade: , Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: , Action: main

Firm: RBC Capital, ToGrade: Outperform, FromGrade: Sector Perform, Action: up

Firm: Barclays, ToGrade: Underweight, FromGrade: , Action: main

Firm: Jefferies, ToGrade: Buy, FromGrade: , Action: main

Firm: Wells Fargo, ToGrade: Underperform, FromGrade: Market Perform, Action: down

Firm: Mizuho, ToGrade: Buy, FromGrade: , Action: init

Firm: Nomura, ToGrade: Buy, FromGrade: Neutral, Action: up

Firm: Goldman Sachs, ToGrade: Buy, FromGrade: , Action: init

Firm: Jefferies, ToGrade: Buy, FromGrade: , Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: , Action: main

Firm: Barclays, ToGrade: Underweight, FromGrade: , Action: main

Firm: Topeka Capital, ToGrade: Buy, FromGrade: Hold, Action: up

Firm: Roth Capital, ToGrade: Buy, FromGrade: Neutral, Action: up

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: , Action: main

Firm: Stifel, ToGrade: Neutral, FromGrade: Buy, Action: down

Firm: Jefferies, ToGrade: Buy, FromGrade: , Action: main

Firm: Argus Research, ToGrade: Buy, FromGrade: , Action: init

Firm: B. Riley Securities, ToGrade: Buy, FromGrade: , Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: , Action: main

Firm: Barclays, ToGrade: Underweight, FromGrade: Equal-Weight, Action: down

Firm: Canaccord Genuity, ToGrade: Buy, FromGrade: Hold, Action: up

Firm: Canaccord Genuity, ToGrade: Hold, FromGrade: , Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: , Action: main

Firm: MKM Partners, ToGrade: Buy, FromGrade: Neutral, Action: up

Firm: Wedbush, ToGrade: Outperform, FromGrade: , Action: main

Firm: Morgan Stanley, ToGrade: Equal-Weight, FromGrade: , Action: main

Firm: Roth Capital, ToGrade: Neutral, FromGrade: , Action: main

Firm: Needham, ToGrade: Hold, FromGrade: Buy, Action: down

Firm: Morgan Stanley, ToGrade: Equal-Weight, FromGrade: Underweight, Action: up

Firm: Roth Capital, ToGrade: Neutral, FromGrade: , Action: init

Firm: Jefferies, ToGrade: Buy, FromGrade: Hold, Action: up

Firm: Canaccord Genuity, ToGrade: Hold, FromGrade: , Action: main

Firm: Stifel, ToGrade: Buy, FromGrade: , Action: main

Firm: Roth Capital, ToGrade: Buy, FromGrade: Neutral, Action: up

Firm: Morgan Stanley, ToGrade: Underweight, FromGrade: , Action: main

Firm: Macquarie, ToGrade: Outperform, FromGrade: Neutral, Action: up

Firm: Tigress Financial, ToGrade: Buy, FromGrade: Neutral, Action: up

Firm: Nomura, ToGrade: Neutral, FromGrade: Buy, Action: down

Firm: Stifel, ToGrade: Buy, FromGrade: , Action: main

Firm: Roth Capital, ToGrade: Neutral, FromGrade: Buy, Action: down

Firm: Goldman Sachs, ToGrade: Sell, FromGrade: Neutral, Action: down

Firm: B of A Securities, ToGrade: Buy, FromGrade: Neutral, Action: up

Firm: Stifel, ToGrade: Buy, FromGrade: , Action: main

Firm: B of A Securities, ToGrade: Neutral, FromGrade: Underperform, Action: up

Firm: Nomura, ToGrade: Buy, FromGrade: , Action: main

Firm: JP Morgan, ToGrade: Neutral, FromGrade: , Action: main

Firm: Stifel, ToGrade: Buy, FromGrade: , Action: main

Firm: Pacific Crest, ToGrade: Sector Perform, FromGrade: Underperform, Action: up

Firm: Nomura, ToGrade: Buy, FromGrade: , Action: main

Firm: Needham, ToGrade: Buy, FromGrade: Hold, Action: up

Firm: Pacific Crest, ToGrade: Underperform, FromGrade: Sector Perform, Action: down

Firm: B of A Securities, ToGrade: Underperform, FromGrade: Neutral, Action: down

Firm: RBC Capital, ToGrade: Outperform, FromGrade: Sector Perform, Action: up

Firm: Stifel, ToGrade: Buy, FromGrade: , Action: main

Firm: JP Morgan, ToGrade: Neutral, FromGrade: , Action: main

Firm: Jefferies, ToGrade: Hold, FromGrade: , Action: main

Firm: Citigroup, ToGrade: Hold, FromGrade: , Action: main

Firm: ISI Group, ToGrade: Neutral, FromGrade: , Action: init

Firm: JMP Securities, ToGrade: Market Outperform, FromGrade: Market Perform, Action: up

Firm: CLSA, ToGrade: Underperform, FromGrade: , Action: init

Firm: Stifel, ToGrade: Buy, FromGrade: , Action: main

Firm: B. Riley Securities, ToGrade: Buy, FromGrade: Neutral, Action: up

Firm: FBR Capital, ToGrade: Market Perform, FromGrade: , Action: main

Firm: Stifel, ToGrade: Buy, FromGrade: , Action: main

Firm: Susquehanna, ToGrade: Neutral, FromGrade: Negative, Action: up

Firm: Evercore ISI Group, ToGrade: Equal-weight, FromGrade: Underweight, Action: up

Firm: Canaccord Genuity, ToGrade: Hold, FromGrade: Buy, Action: down

Firm: Morgan Stanley, ToGrade: Underweight, FromGrade: Equal-weight, Action: down

Firm: FBR Capital, ToGrade: Market Perform, FromGrade: , Action: main

Firm: Macquarie, ToGrade: Underperform, FromGrade: Neutral, Action: down

Firm: Nomura, ToGrade: Buy, FromGrade: , Action: main

Firm: Wells Fargo, ToGrade: Market Perform, FromGrade: Outperform, Action: down

Firm: Topeka Capital, ToGrade: Hold, FromGrade: , Action: init

Firm: Susquehanna, ToGrade: Negative, FromGrade: Neutral, Action: down

Firm: Needham, ToGrade: Hold, FromGrade: Buy, Action: down

Firm: Stifel, ToGrade: Buy, FromGrade: , Action: main

Firm: BMO Capital, ToGrade: Market Perform, FromGrade: , Action: main

Firm: Nomura, ToGrade: Buy, FromGrade: , Action: main

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: , Action: main

Firm: FBR Capital, ToGrade: Market Perform, FromGrade: , Action: main

Firm: Barclays, ToGrade: Equal-Weight, FromGrade: , Action: main

Firm: Oppenheimer, ToGrade: Perform, FromGrade: Outperform, Action: down

Firm: FBR Capital, ToGrade: Market Perform, FromGrade: , Action: main

Firm: Nomura, ToGrade: Buy, FromGrade: , Action: main

Firm: Jefferies, ToGrade: Hold, FromGrade: , Action: main

Firm: Wedbush, ToGrade: Outperform, FromGrade: , Action: main

Firm: UBS, ToGrade: Buy, FromGrade: , Action: main

Firm: BMO Capital, ToGrade: Market Perform, FromGrade: , Action: main

Firm: FBR Capital, ToGrade: Market Perform, FromGrade: Outperform, Action: down

Firm: Deutsche Bank, ToGrade: Hold, FromGrade: , Action: main

Firm: Brean Capital, ToGrade: Hold, FromGrade: , Action: init

Firm: Citigroup, ToGrade: Neutral, FromGrade: , Action: main

Firm: Barclays, ToGrade: Equal-Weight, FromGrade: , Action: main

Firm: UBS, ToGrade: Buy, FromGrade: , Action: main

Firm: Stifel, ToGrade: Buy, FromGrade: , Action: main

Firm: FBR Capital, ToGrade: Outperform, FromGrade: , Action: main

Firm: Wedbush, ToGrade: Outperform, FromGrade: , Action: main

Firm: Jefferies, ToGrade: Hold, FromGrade: , Action: main

Firm: Citigroup, ToGrade: Hold, FromGrade: , Action: main

Firm: FBR Capital, ToGrade: Outperform, FromGrade: , Action: main

Firm: Raymond James, ToGrade: Strong Buy, FromGrade: , Action: main

Firm: Lazard, ToGrade: Neutral, FromGrade: , Action: init

Firm: Canaccord Genuity, ToGrade: Buy, FromGrade: Hold, Action: up

Firm: UBS, ToGrade: Buy, FromGrade: Neutral, Action: up

Firm: Morgan Stanley, ToGrade: Equal-Weight, FromGrade: , Action: init

Firm: Salman Partners, ToGrade: Buy, FromGrade: , Action: main

Firm: Jefferies, ToGrade: Hold, FromGrade: , Action: main

Firm: Cantor Fitzgerald, ToGrade: Buy, FromGrade: , Action: init

Firm: Evercore ISI Group, ToGrade: Underweight, FromGrade: , Action: main

Firm: B of A Securities, ToGrade: Neutral, FromGrade: Buy, Action: down

Firm: FBR Capital, ToGrade: Outperform, FromGrade: Market Perform, Action: up

## Analyst Price Targets

No data available

## Earnings Estimate

numberOfAnalysts: 37.0, avg: 0.74, low: 0.72, high: 0.8, yearAgoEps: 0.37, growth: 1.0

numberOfAnalysts: 36.0, avg: 0.81, low: 0.72, high: 0.98, yearAgoEps: 0.47, growth: 0.72300005

numberOfAnalysts: 44.0, avg: 2.84, low: 2.74, high: 3.04, yearAgoEps: 1.19, growth: 1.387

numberOfAnalysts: 43.0, avg: 4.06, low: 3.5, high: 5.1, yearAgoEps: 2.84, growth: 0.43

## Revenue Estimate

numberOfAnalysts: 39.0, avg: 32936900000.0, low: 32074000000.0, high: 34979000000.0, yearAgoRevenue:  
nan, growth: nan

numberOfAnalysts: 38.0, avg: 36568800000.0, low: 32997200000.0, high: 43939000000.0, yearAgoRevenue:  
22103000000.0, growth: 0.65400004

numberOfAnalysts: 52.0, avg: 125664000000.0, low: 121590000000.0, high: 134282000000.0, yearAgoRevenue:  
55706500000.0, growth: 1.256

numberOfAnalysts: 52.0, avg: 179229000000.0, low: 139395000000.0, high: 223223000000.0, yearAgoRevenue:  
125664000000.0, growth: 0.426

## Earnings History

epsEstimate: 0.31, epsActual: 0.37, epsDifference: 0.06, surprisePercent: 0.19399999

epsEstimate: 0.42, epsActual: 0.47, epsDifference: 0.05, surprisePercent: 0.118999995

epsEstimate: 0.51, epsActual: 0.56, epsDifference: 0.05, surprisePercent: 0.098000005

epsEstimate: 0.64, epsActual: 0.68, epsDifference: 0.04, surprisePercent: 0.063