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# **Hardware**

# CQ3'23 Compute Preview - Better Near-Term Setup for Intel

CQ3 saw improvement in PC compute fundamentals, which should carry over into CQ4; however we would note that weak standard server builds remain a meaningful headwind that likely continues to weigh on compute guidance:

- Better than expected PC shipments (particularly consumer oriented SKUs) combined with normalization of PC inventories should have created incremental demand for client CPUs and GPUs.
- Server demand remained challenged, though an increase in Al builds towards the end of CQ3 and further CQ4 improvement, should help at the margin.
- Net, we see a mixed bag in the near-term (favoring INTC due to greater PC exposure and more modest expectations). However, we see a more constructive environment emerging in 2024 (particularly in the 2H) that should benefit both vendors. Specifically, we expect a PC refresh (driven by a 3 year replacement cycle, Windows 12, and new SKUs supporting AI) and a normalization of CSP standard server builds will combine to lift compute demand.

## INTC (N: TP\$35) - Reports - Thu, 10/26 AMC

- Intel management indicated intra-quarter that the company was tracking ahead
  of its guidance given: 1) Better than expected DCAI sales (albeit with revenues
  still likely down Q/Q), and 2) Improved PC revenues.
- And, we would expect both areas likely build off CQ3 numbers given:
  - Some signs of generally better than expected consumer demand trends which should continue to boost PC builds in CQ4, and
  - Some year-end bump in enterprise IT spend (even if the overall standard server market remains weak), combined with strengthening AI builds.
- Net, even with INTC tending to guide conservatively, we see potential for upside to consensus (even if Intel's outlook isn't as robust as our high expectations).
- However, the real question remains: Will INTC execute on its forward roadmap
  for process transitions? We see this result as integral to the company restoring
  competitiveness in servers, maintaining its positioning in PCs, and starting a
  foundry business. We still remain uncertain on this front as we continue to look
  for evidence suggesting new products will ramp successfully.

# AMD (O: TP\$155) - Reports - Tue, 10/31 AMC

- AMD's CQ3 estimates should be achievable, particularly assuming some benefit from improving consumer PC shipments.
- The risk rather, in our view, is CQ4 (and perhaps CQ1). The ramp of El Capitan, should provide AMD some momentum, however, we are less clear that AMD can hit elevated expectations which we believe will eventually require better server CPU shipments in light of continued weakness in CSP spend.
- Having said this, we exited the past few weeks more confident around AMD's
  position with MI300, and believe AMD is particularly well positioned to thrive
  in 2H'24 as its AI revenues ramp at the same time CSP server spend likely
  normalizes and a PC refresh cycle commences.
- Net, while we are less certain around near-term results, we are reiterating our OUTPERFORM view given our more positive outlook for AMD moving though 2024 into 2025.

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# INTC (N: TP\$35) - Reports - Thu, 10/26 AMC

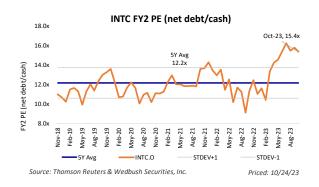
We arrive at our target price by applying a multiple of ~13X to our FY2025 outlook (net debt).

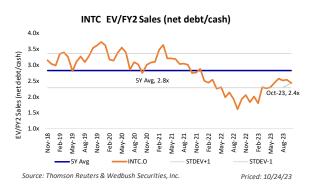
Figure 1: INTC Wedbush vs. Consensus Estimates

| INTC \$M               |          |          |           |         |          |        |          |         |
|------------------------|----------|----------|-----------|---------|----------|--------|----------|---------|
|                        | Outlook  | Wedbush  | Consensus |         |          | Q/Q    |          | Y/Y     |
|                        | Sep-23   | 3Q23E    | 3Q23A     | Var     | 2Q23A    | %∆     | 3Q22A    | %∆      |
| Non-GAAP Diluted - EPS | \$0.20   | \$0.20   | \$0.22    | -\$0.02 | \$0.13   | \$0.07 | \$0.59   | -\$0.39 |
| Revenue (\$M)          | \$13,400 | \$13,459 | \$13,526  | 0%      | \$12,949 | 4%     | \$15,338 | -12%    |
| Gross Margin %         | 43.0%    | 43.0%    | 42.7%     | 30bps   | 39.8%    | 320bps | 45.9%    | -288bps |
| Operating Margin %     |          | 7.1%     | 5.5%      | 161bps  | 3.5%     | 358bps | 10.8%    | -369bps |
| Capex                  |          | \$3,000  | \$5,337   | -44%    | \$5,888  | -49%   | \$7,299  | -59%    |
| Segment Revenues       |          |          |           |         |          |        |          |         |
| CCG                    |          | 7,390    | 7,380     | 0%      | 6,780    | 9%     | 8,124    | -9%     |
| DCAI                   |          | 3,804    | 3,982     | -4%     | 4,004    | -5%    | 4,209    | -10%    |
| NEX                    |          | 1,364    | 1,365     | 0%      | 1,364    | 0%     | 2,266    | -40%    |
| MBLY                   |          | 545      | 515       | 6%      | 454      | 20%    | 450      | 21%     |
| IFS                    |          | 241      | 235       | 3%      | 232      | 4%     | 171      | 41%     |
| Other                  |          | 115      | 115       | 0%      | 115      | 0%     | 67       | 72%     |

Source: Company reports, Thomson Reuters and Wedbush Securities, Inc. estimates

**Figure 2: INTC Historical Multiples** 





Source: Thomson Reuters and Wedbush Securities, Inc. estimates



# AMD (O: TP\$155) - Reports - Tue, 10/31 AMC

We arrive at our target price by applying a PE multiple of  $\sim$ 30X to our FY2025 EPS estimate (plus net cash).

Figure 3: AMD Wedbush vs. Consensus Estimates

| AMD \$M                |         |           |           |        |         |        |         |        |
|------------------------|---------|-----------|-----------|--------|---------|--------|---------|--------|
|                        | Outlook | Wedbush ( | Consensus |        |         | Q/Q    |         | Y/Y    |
|                        | Sep-23  | 3Q23E     | 3Q23E     | Var    | 2Q23A   | %∆     | 3Q22A   | %∆     |
| Non-GAAP EPS - Diluted | \$0.77  | \$0.68    | \$0.68    | \$0.00 | \$0.58  | \$0.10 | \$0.67  | \$0.01 |
| Revenue (\$M)          | \$5,700 | \$5,700   | \$5,693   | 0%     | \$5,359 | 6%     | \$5,565 | 2%     |
| Gross margin %         | 51%     | 51%       | 51%       | -4bps  | 50%     | 129bps | 50%     | 69bps  |
| Operating margin %     | 22.1%   | 22.0%     | 21.6%     | 38bps  | 19.9%   | 205bps | 22.7%   | -74bps |
| Capex                  |         | \$55      | \$55      | 0%     | \$125   | -56%   | \$55    | 0%     |
| Segment Revenues       |         |           |           |        |         |        |         |        |
| Data Center            |         | 1,609     | 1,659     | -3%    | 1,321   | 22%    | 1,609   | 0%     |
| Client                 |         | 1,124     | 1,206     | -7%    | 998     | 13%    | 1,022   | 10%    |
| Gaming                 |         | 1,534     | 1,532     | 0%     | 1,581   | -3%    | 1,631   | -6%    |
| Embedded               |         | 1,433     | 1,320     | 9%     | 1,459   | -2%    | 1,303   | 10%    |

Source: Company reports, Thomson Reuters and Wedbush Securities, Inc. estimates

**Figure 4: AMD Historical Multiples** 



Source: Thomson Reuters and Wedbush Securities, Inc. estimates



# **INTC: Income Statement and Other Selected Financials**

| Treatment of March 2  | Intel Corp (INTC)                                 |             | 2023     | E        |          |          | 2024     | 1E       |          |         | 2025    | 5E      |          |      |       |          |                     |                           |
|---|---|-------------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|----------|------|-------|----------|---------------------|---------------------------|
| Marchard Part   Marchard Par  | \$M   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 2025E                     |
| Semon Month   1,30%   |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | Dec-25<br>\$2.96          |
| 6 00 Mayor (1998)  6 00 Mayor (1  |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 68,647                    |
| Temporal March   Column   Co  | Gross Margin %                                    | 38.4%       | 39.8%    | 43.0%    | 46.0%    | 46.0%    |          |          | 53.0%    | 52.0%   | 53.0%   | 54.0%   | 55.0%    |      |       |          | 49.1%               | 53.6%                     |
| TRIBLESONAL PARTIES NOT SAME AND ALL SAME SAME SAME SAME SAME SAME SAME SAME  |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 21.4%                     |
| Control   Cont  |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 2025                      |
| Description   |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 32,973                    |
| March   Marc  |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 21,876                    |
| MAY   549   545   | NEX   | 1,489       | 1,364    | 1,364    | 1,500    | 1,500    | 1,605    | 1,718    | 1,838    | 1,838   | 1,939   | 2,046   | 2,158    | 8,   | 873   | 5,717    | 6,662               | 7,981                     |
| Fig.   136   232   241   232   241   232   241   232   242  |   |             | -        | -        |          |          |          |          |          |         |         |         | -        |      |       |          |                     | 0                         |
| Company   Comp  |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 3,350                     |
| Taylor   T  |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 2,006<br>460              |
| The Information - No Annow 1979 198 98 98 99 99 99 99 99 99 99 99 99 99 9   |   | 103         | 113      | 113      | 113      | 113      | 113      | 113      | 113      | 113     | 113     | 113     | 113      |      | 150   | 310      | 400                 | 400                       |
| Column   C  | Net Revenue - Non GAAP                            | -17%        | 11%      | 4%       | 10%      | -2%      | 2%       | 6%       | 5%       | -2%     | 3%      | 5%      | 7%       |      |       |          |                     |                           |
| March   1956  |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     |                           |
| Mary 1.00   |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     |                           |
| MAY   |   | -28%        | -8%      |          |          |          |          |          |          |         |         |         |          |      |       |          |                     |                           |
| Fig.   Graph   Control  |   | -19%        | -1%      |          |          |          |          |          |          |         |         |         |          |      |       |          |                     |                           |
| Control   Cont  |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     |                           |
| Set Processes   1,175   1,246   1,369   1,461   1,465   | Other   | 450%        | -30%     | 0%       | 0%       | 0%       | 0%       | 0%       | 0%       | 0%      | 0%      | 0%      | 0%       |      |       |          |                     |                           |
| Set Processes   1,175   1,246   1,369   1,461   1,465   | INCOME STATEMENT - NON-GAAP (\$M)                 | 1Q23A       | 2Q23A    | 3Q23E    | 4Q23E    | 1Q24E    | 2Q24E    | 3Q24E    | 4Q24E    | 1Q25E   | 2Q25E   | 3Q25E   | 4Q25E    | 20   | )22A  | 2023E    | 2024E               | 2025                      |
| Fig. 4, 645   2,154   5,787   6,813   6,787   7,814   8,238   6,787   7,816   8,238   8,400   8,775   5,806   10,222   29,796   22,259   30,103   36,700   3  | Net revenue                                       | 11,715      | 12,949   | 13,459   |          |          |          | 15,669   | 16,400   | 16,153  | 16,560  | 17,349  |          |      |       |          | 61,425              | 68,647                    |
| GAME  |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 31,880                    |
| Bild and Modified Nerview   4,788   |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 36,766                    |
| ## ADD and MICHAEL AND WORK PLANS ## ADD ## SERVE ## \$2.00 \$ \$3.00 \$ \$ |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 53.6%<br>22,102           |
| Color   |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 32.2%                     |
| Opes Press   4,786   4,896   4,932   5,008   5,079   5,122   5,171   5,246   5,339   5,465   5,699   2,279   13,344   20,059   22,270   20,000   20  | Other expenses                                    | 0           | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0       | 0       | 0       | 0        |      | -     | -        | -                   |                           |
| Open Rivery 4, 929 8, 28-39 8, 35-59 8, 34-09 32-08 32-09 32-09 12-09 32  |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 0.0%                      |
| Order (1994) 456 956 1,777 1,756 2,004 2,664 3,280 3,096 3,312 3,790 4,555 17,915 2,895 9,544 1,944 1,945 1,  |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 22,102                    |
| Month   1.5   1.  |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 32.2%<br>14,664           |
| Non-op stronge (expense) 100 0 0  | OM%   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 21.4%                     |
| Frontier promoter promoters of the service of the s  | Non-op income (expense)                           |             |          | -        | -        | -        | -        | -        | -        | -       | -       | -       | -        |      |       |          | -                   | -                         |
| Tax Anteries   12.0%  | Pretax income                                     |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 14,664                    |
| Net Income  (167) 547 831 1.546 1.389 1.744 2.317 2.884 2.470 2.881 3.945 3.94  |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 1,906                     |
| PS - District (Note GAMP)   |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 13.0%<br>12,758           |
| Stone   Ston  |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | \$2.96                    |
| DRAME SHET (SMA)  (50.6)  (50.35)  (50.35)  (50.35)  (50.125)  (50  | S/O - Diluted (Non GAAP)                          |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 4,301                     |
| Dischards/phr   \$9,365   \$9,125   \$0,  | Net income (GAAP)                                 | (2,758)     | 1,481    |          | 2,480    | 2,323    | 2,678    | 3,251    | 3,788    | 3,604   | 3,815   | 4,179   | 4,895    | 8,   | 014   | 2,969    | 12,039              | 16,494                    |
| Declared proposes   49.28   55.59   63.38   34.18   38.18   30.48   20.08   18.78   20.09   18.78   20.09   18.69   15.68   15.68   15.68   12.68   73.38   12.28   25.50   10.08   10  | EPS - Diluted (GAAP)                              |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | \$3.83                    |
| Other Capex   |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | \$0.500<br>16.9%          |
| Capes (7,43) (5,889) (5,889) (5,889) (5,889) (5,889) (6,625) (  |   | *037.270    | 33.370   | 03.370   | 34.170   | 30.170   | 30.470   | 23.0%    | 10.770   | 20.0%   | 10.0%   | 10.0%   | 13.0%    | /3   | .370  | 113.270  | 23.0%               | 10.5%                     |
| DAA A PPE 9.4% 8.5% 9.0% 9.5% 10.0% 10.5% 11.0% 11.0% 10.0% 10.5% 11.0%   |   | (7,413)     | (5,888)  | (5,888)  | (5,888)  | (6,625)  | (6,625)  | (6,625)  | (6,625)  | (6,625) | (6,625) | (6,625) | (6,625)  | (24, | .844) | (25,077) | (26,500)            | (26,500)                  |
| MAINCE SHIET [\$M)  | D&A   | 1,901       | 1,832    | 2,057    | 2,193    | 2,328    | 2,558    | 2,791    | 3,028    | 3,268   | 3,508   |         | 5,008    | 11,  | 128   | 7,983    | 10,705              | 15,534                    |
| MAINCE SHIET [5M)   | D&A % PPE   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 14.3%                     |
| Badays   So   93   90   90   90   90   90   90   90   | Net Cash (Debt)                                   | (16,710)    | (18,896) | (16,674) | (14,228) | (14,122) | (13,541) | (12,330) | (10,005) | (6,802) | (3,332) | 669     | 7,544    | (7,  | 801)  | (14,228) | (10,005)            | 7,544                     |
| Cash and cash equivalents 19.02   15,008   15,00  | BALANCE SHEET (\$M)                               |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 2025E                     |
| Short-term investments 19,302 15,908   | •   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 361                       |
| Trading assets 7  |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 15,908                    |
| Accounts receivable (WC) 13,847 2,996 3,114 3,427 3,357 3,435 3,625 3,794 3,737 3,831 4,014 4,300 4,133 3,427 3,794 4.5 memertorise (WC) 12,993 11,984 11,794 12,297 12,005 11,870 12,045 12,102 11,920 11,926 12,207 12,857 13,224 12,297 12,102 1.5 Total current assets 3,940 4,119 43,366 29,593 32,382 32,387 33,048 34,448 36,942 40,088 43,653 47,836 54,997 50,040 32,352 36,942 54,5 Property, plant and equipment, net 85,734 90,945 91,888 92,695 96,991 101,059 104,893 108,490 111,847 114,964 117,839 119,455 80,660 92,695 108,490 119,4 Property, plant and equipment, net 85,734 90,945 91,888 92,695 96,991 101,059 104,893 108,490 111,847 114,964 117,839 119,455 80,660 92,695 108,490 119,4 Property, plant and equipment, net 85,734 90,745 12,7591 27,5  |   | -           | -        | -        | -        | -        | -        | -        | -        | -       | -       | -       | - 13,500 | 1,   | -     | -        | -                   | -                         |
| Other current assets  | Accounts receivable (WC)                          | 3,847       | 2,996    | 3,114    | 3,427    | 3,357    | 3,435    | 3,625    | 3,794    | 3,737   | 3,831   | 4,014   | 4,300    | 4,   | 133   | 3,427    | 3,794               | 4,300                     |
| Total current assets 48,314 43,356 2,593 32,352 32,387 33,048 34,448 36,942 40,088 43,653 47,836 54,997 50,407 32,352 36,942 54,97 property, plant and equipment, net 85,734 90,945 91,888 92,695 96,991 101,059 104,893 108,490 111,847 114,964 117,839 119,456 80,860 92,695 108,490 119,456 000 119,456 119  | Inventories (WC)                                  |             |          | 11,794   | 12,297   | 12,045   | 11,870   | 12,045   | 12,102   | 11,920  | 11,966  | 12,270  | 12,857   |      |       | 12,297   | 12,102              | 12,857                    |
| Property, plant and equipment, net 85,734 90,945 91,888 92,695 96,991 101,099 104,893 108,490 111,847 114,964 117,839 119,456 80,860 92,695 108,490 119,450 11  |   | -,          |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     |                           |
| Equity investments 6,029 5,893  |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     |                           |
| Other long-term investments   |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 5,893                     |
| Goodwill 27,591   | Other long-term investments                       | -           | -,055    | -,055    | -,055    | -,055    | -,033    | -,033    | -,055    | -,055   | -,033   | -,055   | -,033    | ٥,   |       | -,555    | -,055               | -                         |
| Other long-term assets 12,068 12,671   | Goodwill  |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 27,591                    |
| Total assets 185,303 185,629 172,808 176,375 180,707 185,434 190,669 196,760 203,263 209,944 217,003 225,780 182,103 176,375 196,760 225,780  | Identified intangible assets, net                 |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 5,173                     |
| Current liabilities:    1,437   2,711   | Other long-term assets                            |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 12,671                    |
| Short-tern debt 1,437 2,711 2,  |   | 185,303     | 185,629  | 1/2,808  | 176,375  | 180,707  | 185,434  | 190,669  | 196,760  | 203,263 | 209,944 | 217,003 | 225,780  | 182, | 103   | 1/6,375  | 196,760             | 225,780                   |
| Accounts payable (WC) 8,083 8,757 8,618 8,985 8,802 8,674 8,801 8,887 2,  | Short-term debt                                   | 1.437       | 2,711    | 2,711    | 2,711    | 2,711    | 2,711    | 2.711    | 2.711    | 2,711   | 2,711   | 2,711   | 2.711    | 4.   | .367  | 2,711    | 2.711               | 2,711                     |
| Accrued compensation and benefits 2,497 2,887 2,  | Accounts payable (WC)                             |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 9,395                     |
| Total current liabilities   | Accrued compensation and benefits                 | 2,497       | 2,887    | 2,887    | 2,887    | 2,887    | 2,887    | 2,887    | 2,887    | 2,887   | 2,887   | 2,887   | 2,887    | 4,   | 084   | 2,887    | 2,887               | 2,887                     |
| Debt 48,836 46,335 46,3  | Other accrued liabilities                         |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 12,825                    |
| Contract Liabilities 3,831  |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 27,818                    |
| Income taxes payable 3,831  |   | 48,83b<br>- | 40,335   | 40,335   | 40,335   | 40,335   | 40,335   | 40,335   | 40,335   | 40,335  | 40,335  | 40,335  | 40,335   | 3/,  | -     | 40,335   | 40,335              | 46,335                    |
| Deferred income taxes   | Income taxes payable                              | 3,831       |          |          |          |          |          |          |          |         |         |         | -        | 3,   | 796   |          |                     | -                         |
| Total liabilities 84,900 81,158 81,019 81,386 81,203 81,075 81,202 812,45 81,111 81,145 81,367 81,796 78,817 81,386 81,245 81,7 10 81,345 81,345 81,345 81,3  | Deferred income taxes                             | •           | -        | -        | -        | -        | -        | -        | -        | -       | -       | -       | -        |      |       | -        | -                   | -                         |
| Total stockholders' equity 100,403 104,471 91,789 94,988 99,504 104,360 109,467 115,516 122,152 128,800 135,636 143,984 103,286 94,988 115,516 143,570 180,707 185,434 190,669 196,760 203,263 209,944 217,003 225,780 182,103 176,375 196,760 225,780 182,103 176,375 196,760 225,780 182,103 176,375 196,760 225,780 182,103 176,375 196,760 225,780 182,103 176,375 196,760 182,103 182,103 176,375 196,760 182,103 176,375 196,760 182,103 176,375 196,760 182,103 176,375 196,760 182,103 176,375 196,760 182,103 182,103 176,375 196,760 182,103 176,375 196,760 182,103 176,375 196,760 182,103 176,375 196,760 182,103 176,375 196,760 182,103 182,103 176,375 196,760 182,103 176,375 196,760 182,103 182,103 176,375 196,760 182,103 182,103 182,103 176,375 196,760 182,103  | Other long-term liabilities                       |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 7,643                     |
| Total liabilities & SE 185,303 185,629 172,808 176,375 180,707 185,434 190,669 196,760 203,263 209,944 217,003 225,780 182,103 176,375 196,760 225,780    CASH FLOWS - 3 MONTHS (\$M) 1Q23A 2Q23A 3Q23E 4Q23E 1Q24E 2Q24E 3Q24E 4Q24E 1Q25E 2Q25E 3Q25E 4Q25E 2022A 2023E 2024E 2024E 2024E 3Q24E   |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 81,796                    |
| Net income (2,758) 1,463 1,765 2,480 2,323 2,678 3,251 3,788 3,604 3,815 4,179 4,895 8,017 2,951 12,039 16,4 (2001) 1,785 2,808 5,746 5,970 7,255 7,731 8,359 9,474 10,352 10,620 11,150 14,024 15,433 12,739 32,819 46,1 (2011) 1,002 (6,521) (6,521) (6,521) (6,625) (6,625) (6,625) (6,625) (6,625) (6,625) (6,625) (10,477) (17,329) (26,500  | Total stockholders' equity Total liabilities & SE |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | <b>143,984</b><br>225,780 |
| Net income (2,758) 1,463 1,765 2,480 2,323 2,678 3,251 3,788 3,604 3,815 4,179 4,895 8,017 2,951 12,039 16,4 (2001) 1,785 2,808 5,746 5,970 7,255 7,731 8,359 9,474 10,352 10,620 11,150 14,024 15,433 12,739 32,819 46,1 (2011) 1,002 (6,521) (6,521) (6,521) (6,625) (6,625) (6,625) (6,625) (6,625) (6,625) (6,625) (10,477) (17,329) (26,500  | CASH FLOWS - 3 MONTHS (\$M)                       | 1023A       | 2Q23A    | 3Q23E    | 4023E    | 1Q24E    | 2Q24E    | 3Q24E    | 4Q24E    | 1Q25E   | 2Q25E   | 3Q25E   | 4025E    | 20   | )22A  | 2023E    | 2024E               | 2025E                     |
| CFI (8,521) (2,808) (3,000) (3,000) (6,625) (6,625) (6,625) (6,625) (6,625) (6,625) (6,625) (6,625) (6,625) (10,477) (17,329) (26,500) (26  | Net income  | (2,758)     | 1,463    | 1,765    | 2,480    | 2,323    | 2,678    | 3,251    | 3,788    | 3,604   | 3,815   | 4,179   | 4,895    | 8,   | 017   | 2,951    | 12,039              | 16,494                    |
|   |   |             |          |          |          |          |          |          |          |         |         |         |          |      |       |          |                     | 46,145<br>(26,500)        |
|   | CFF   | 7,394       | 117      | (524)    | (524)    | (524)    | (524)    | (524)    | (524)    | (524)   | (524)   | (524)   | (524)    |      |       | 6,463    | (20,300)<br>(2,096) | (20,300)                  |

Source: Thomson Reuters, company reports and Wedbush Securities Inc., estimates



# **AMD Income Statement and Other Selected Financials**

| AMD   |   | 2023  | F   |  |   | 2024   | IF.  |  |    |  |  |   |   |
|---|---|---|---|--|---|--|--|--|----|--|--|---|---|
| AIVID   | 1Q23A   | 2Q23A   | 3Q23E   | 4Q23E  | 1Q24E   | 2Q24E  | 3Q24E  | 4Q24E  |    | 2022A  | 2023E  | 2024E   | 2025E   |
| (\$ millions, except per share amounts)   | Apr-23  | Jul-23  | Sep-23  | Dec-23   | Mar-24  | Jun-24   | Sep-24   | Dec-24   |    | 2/31/22  | Dec-23   | 12/31/24  | 12/31/25  |
| Non-GAAP EPS - Diluted  | \$0.60  | \$0.58  | \$0.68  | \$0.84   | \$0.83  | \$1.00   | \$1.14   | \$1.28   |    | \$3.50   | \$2.70   | \$4.25  | \$5.13  |
| Revenue (\$M)   | 5,353   | 5,359   | 5,700   | 6,197  | 5,974   | 6,539  | 7,031  | 7,372  |    | 23,601   | 22,609   | 26,916  | 29,637  |
| Gross margin %  | 50%   | 49.7%   | 51%   | 52%  | 54%   | 55%  | 55%  | 57%  |    | 53%  | 51%  | 55%   | 57%   |
| Operating margin %  | 20.5%   | 19.9%   | 22.0%   | 25.2%  | 26.4%   | 28.9%  | 31.0%  | 33.1%  |    | 26.9%  | 22.0%  | 30.0%   | 33.0%   |
|   |   |   |   |  | 1Q24E   |  |  |  |    |  |  | 2024E   |   |
| SEGMENTS  | 1Q23A   | 2Q23A   | 3Q23E   | 4Q23E  |   | 2Q24E  | 3Q24E  | 4Q24E  |    | 2022A  | 2023E  |   | 2025E<br>29,637   |
| Net Revenue - by Segment  | 5,353   | 5,359   | 5,700   | 6,197  | 5,974   | 6,539  | 7,031  | 7,372  |    | 23,601   | 22,609   | 26,916  |   |
| Data Center   | 1,295   | 1,321   | 1,609   | 2,165  | 2,206   | 2,313  | 2,648  | 2,913  |    | 6,043  | 6,390  | 10,080  | 12,295  |
| Client  | 739   | 998   | 1,124   | 1,309  | 1,145   | 1,298  | 1,405  | 1,637  |    | 6,201  | 4,171  | 5,485   | 5,759   |
| Gaming  | 1,757   | 1,581   | 1,534   | 1,326  | 1,216   | 1,470  | 1,473  | 1,272  |    | 6,805  | 6,198  | 5,431   | 5,184   |
| Embedded  | 1,562   | 1,459   | 1,433   | 1,397  | 1,406   | 1,459  | 1,505  | 1,551  |    | 4,552  | 5,851  | 5,920   | 6,398   |
|   |   |   |   |  |   |  |  |  |    |  |  |   |   |
| Segments Q/Q % Δ  |   |   |   |  |   |  |  |  |    |  |  |   |   |
| Net Revenue - by Segment  | -4%   | 0%  | 6%  | 9%   | -4%   | 9%   | 8%   | 5%   |    |  |  |   |   |
| Data Center   | -22%  | 2%  | 22%   | 35%  | 2%  | 5%   | 14%  | 10%  |    |  |  |   |   |
| Client  | -18%  | 35%   | 13%   | 16%  | -13%  | 13%  | 8%   | 16%  |    |  |  |   |   |
| Gaming  | 7%  | -10%  | -3%   | -14%   | -8%   | 21%  | 0%   | -14%   |    |  |  |   |   |
| Embedded  | 12%   | -7%   | -2%   | -3%  | 1%  | 4%   | 3%   | 3%   |    |  |  |   |   |
| Segments Y/Y % Δ  |   |   |   |  |   |  |  |  |    |  |  |   |   |
| Net Revenue - by Segment  | -9%   | -18%  | 2%  | 11%  | 12%   | 22%  | 23%  | 19%  |    | 44%  | -4%  | 19%   | 10%   |
| Data Center   | 0%  | -11%  | 0%  | 31%  | 70%   | 75%  | 65%  | 35%  |    | 64%  | 6%   | 58%   | 22%   |
| Client  | -65%  | -54%  | 10%   | 45%  | 55%   | 30%  | 25%  | 25%  |    | -10%   | -33%   | 32%   | 5%  |
| Gaming  | -6%   | -4%   | -6%   | -19%   | -31%  | -7%  | -4%  | -4%  |    | 21%  | -9%  | -12%  | -5%   |
| Embedded  | 163%  | 16%   | 10%   | 0%   | -10%  | 0%   | 5%   | 11%  |    | 1750%  | 29%  | 1%  | 8%  |
|   | 20070   | 10/0  | 20,0  | 0,3  | 2073  | 5,5  | 5,0  | 11/0   |    |  | 25/3   | -/3   | 570   |
| Income Statement - NON GAAP   | 1Q23A   | 2Q23A   | 3Q23E   | 4Q23E  | 1Q24E   | 2Q24E  | 3Q24E  | 4Q24E  |    | 2022A  | 2023E  | 2024E   | 2025E   |
| Revenue   | 5,353   | 5,360   | 5,700   | 6,197  | 5,974   | 6,539  | 7,031  | 7,372  |    | 23,601   | 22,610   | 26,916  | 29,637  |
| COGS  | 2,678   | 2,695   | 2,794   | 2,965  | 2,736   | 2,949  | 3,131  | 3,199  |    | 11,328   | 11,132   | 12,015  | 12,791  |
| Gross Profit\$  | 2,675   | 2,665   | 2,794   | 3,233  | 3,238   | 3,591  | 3,900  | 4,172  |    | 12,273   | 11,132   | 14,901  | 16,846  |
|   |   |   |   |  |   |  |  |  |    |  |  |   |   |
| Opex  | 1,587   | 1,605   | 1,653   | 1,673  | 1,661   | 1,700  | 1,723  | 1,732  |    | 6,030  | 6,518  | 6,816   | 7,071   |
| Opex % Revenue  | 30%   | 30%   | 29%   | 27%  | 28%   | 26%  | 25%  | 24%  |    | 26%  | 29%  | 25%   | 24%   |
| Operating Profit\$  | 1,098   | 1,068   | 1,253   | 1,559  | 1,577   | 1,890  | 2,177  | 2,440  |    | 6,345  | 4,978  | 8,085   | 9,775   |
| Nonoperating income (expense)   | 3   | 18  | 18  | 18   | 18  | 18   | 18   | 18   |    | 90   | 57   | 72  | 72  |
| Pretax income (loss)  | 1,101   | 1,086   | 1,271   | 1,577  | 1,595   | 1,908  | 2,195  | 2,458  |    | 6,435  | 5,035  | 8,157   | 9,847   |
| Income tax provision (benefit)  | 132   | 144   | 165   | 205  | 239   | 286  | 329  | 369  |    | 945  | 646  | 1,224   | 1,477   |
| Equity in loss (income) of investee   | 1   | 6   | 0   | 0  | 0   | 0  | 0  | 0  |    | 14   | 7  | 0   | 0   |
| Net Income\$  | 970   | 948   | 1,105   | 1,372  | 1,356   | 1,622  | 1,866  | 2,089  |    | 5,504  | 4,396  | 6,934   | 8,370   |
| EPS - Diluted - Operating   | \$ 0.60   |   |   | -  |   | \$ 1.00  |  | \$ 1.28  | \$ | 3.50   | \$ 2.70  | \$ 4.25   | \$ 5.13   |
| S/O - Diluted   | 1,618   | 1 627   | 1,625   | 1,630  | 1,630   | 1,630  | 1,630  | 1,630  |    | 1 [71  | 1,625  | 1,630   | 1 620   |
| 3/0 bliated   | 1,010   | 1,627   | 1,025   | 1,030  | 1,030   | 1,030  | 1,030  | 1,030  |    | 1,571  | 1,023  | 1,030   | 1,630   |
|   |   |   |   |  |   |  |  |  |    |  |  |   |   |
| Balance Sheet - GAAP  | 1Q23A   | 2Q23A   | 3Q23E   | 4Q23E  | 1Q24E   | 2Q24E  | 3Q24E  | 4Q24E  |    | 2022A  | 2023E  | 2024E   | 2025E   |
|   |   |   |   |  |   |  |  |  |    |  |  |   |   |
| Balance Sheet - GAAP  | 1Q23A   | 2Q23A   |   |  |   |  |  |  |    | 2022A  |  |   |   |
| Balance Sheet - GAAP Cash and cash equivalents  | <b>1Q23A</b> 3,825  | <b>2Q23A</b><br>3,841   |   |  |   |  |  |  |    | <b>2022A</b><br>4,835  |  |   |   |
| Balance Sheet - GAAP  Cash and cash equivalents  Marketable securities  | <b>1Q23A</b><br>3,825<br>2,114  | <b>2Q23A</b><br>3,841<br>2,444  | 3Q23E   | 4Q23E  | 1Q24E   | 2Q24E  | 3Q24E  | 4Q24E  |    | <b>2022A</b><br>4,835<br>4,835   | 2023E<br>-<br>-  | <b>2024E</b><br>-<br>-  | 2025E   |
| Balance Sheet - GAAP  Cash and cash equivalents  Marketable securities  Cash and short term investments   | 1Q23A<br>3,825<br>2,114<br>5,939  | 2Q23A<br>3,841<br>2,444<br>6,285  | 3Q23E<br>12,248   | <b>4Q23E</b><br>13,135   | 1Q24E<br>13,733   | 2Q24E<br>14,613  | 3Q24E<br>15,780  | <b>4Q24E</b><br>17,150   | ľ  | <b>2022A</b> 4,835 4,835 5,855   | 2023E<br>-<br>-<br>13,135  | 2024E<br>-<br>-<br>17,150   | <b>2025E</b> 22,550   |
| Balance Sheet - GAAP  Cash and cash equivalents  Marketable securities  Cash and short term investments  Accounts receivable  | 1 <b>Q23A</b> 3,825 2,114 5,939 4,040   | 2Q23A<br>3,841<br>2,444<br>6,285<br>4,312   | <b>3Q23E 12,248 1,690</b>   | <b>4Q23E</b> 13,135 1,690  | 1Q24E<br>13,733<br>1,690  | 2Q24E<br>14,613<br>1,690   | 3Q24E<br>15,780<br>1,690   | <b>4Q24E</b><br>17,150<br>1,690  |    | 2022A<br>4,835<br>4,835<br>5,855<br>4,126  | 2023E<br>-<br>-<br>13,135<br>1,690   | 2024E<br>-<br>-<br>17,150<br>1,690  | 2025E<br>22,550<br>1,690  |
| Balance Sheet - GAAP  Cash and cash equivalents  Marketable securities  Cash and short term investments  Accounts receivable Inventories, net   | 1 <b>Q23A</b> 3,825 2,114 5,939 4,040 4,235   | 2Q23A<br>3,841<br>2,444<br>6,285<br>4,312<br>4,567  | 12,248<br>1,690<br>1,532  | <b>4Q23E</b> 13,135 1,690 1,532  | 13,733<br>1,690<br>1,532  | 14,613<br>1,690<br>1,532   | 15,780<br>1,690<br>1,532   | <b>4Q24E</b><br>17,150<br>1,690<br>1,532   |    | 4,835<br>4,835<br>5,855<br>4,126<br>3,771  | 2023E<br>-<br>13,135<br>1,690<br>1,532   | 2024E<br>-<br>-<br>17,150<br>1,690<br>1,532   | 22,550<br>1,690<br>1,532  |
| Balance Sheet - GAAP  Cash and cash equivalents Marketable securities  Cash and short term investments  Accounts receivable Inventories, net Prepayment and receivables - related parties   | 1Q23A<br>3,825<br>2,114<br>5,939<br>4,040<br>4,235<br>2   | 2 <b>Q23A</b> 3,841 2,444 6,285 4,312 4,567 2   | 12,248<br>1,690<br>1,532<br>2   | 13,135<br>1,690<br>1,532<br>2  | 13,733<br>1,690<br>1,532<br>2   | 14,613<br>1,690<br>1,532<br>2  | 15,780<br>1,690<br>1,532<br>2  | 17,150<br>1,690<br>1,532<br>2  |    | 4,835<br>4,835<br>5,855<br>4,126<br>3,771  | 13,135<br>1,690<br>1,532   | 2024E<br>-<br>17,150<br>1,690<br>1,532<br>2   | 2025E<br>22,550<br>1,690<br>1,532<br>2  |
| Balance Sheet - GAAP  Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets  | 1Q23A<br>3,825<br>2,114<br>5,939<br>4,040<br>4,235<br>2<br>1,442<br>15,658  | 2Q23A<br>3,841<br>2,444<br>6,285<br>4,312<br>4,567<br>2<br>1,339<br>16,505  | 12,248<br>1,690<br>1,532<br>2<br>1,339<br>16,811  | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698   | 13,733<br>1,690<br>1,532<br>2<br>1,339<br>18,295  | 14,613<br>1,690<br>1,532<br>2<br>1,339<br>19,176   | 15,780<br>1,690<br>1,532<br>2<br>1,339<br>20,343   | 17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713   |    | 2022A<br>4,835<br>4,835<br>5,855<br>4,126<br>3,771<br>2<br>1,265<br>15,019   | 2023E<br>-<br>-<br>13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698  | 2024E<br>-<br>-<br>17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713   | 2025E  22,550 1,690 1,532 2 1,339 27,113  |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net   | 1023A<br>3,825<br>2,114<br>5,939<br>4,040<br>4,235<br>2<br>1,442<br>15,658<br>1,500   | 2023A<br>3,841<br>2,444<br>6,285<br>4,312<br>4,567<br>2<br>1,339<br>16,505<br>1,541   | 12,248<br>1,690<br>1,532<br>2<br>1,339<br>16,811<br>1,534   | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526  | 13,733<br>1,690<br>1,532<br>2<br>1,339<br>18,295<br>1,519   | 14,613<br>1,690<br>1,532<br>2<br>1,339<br>19,176<br>1,511  | 15,780<br>1,690<br>1,532<br>2<br>1,339<br>20,343<br>1,504  | 17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497  |    | 2022A<br>4,835<br>4,835<br>5,855<br>4,126<br>3,771<br>2<br>1,265<br>15,019<br>1,513  | 2023E<br>-<br>13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526  | 2024E<br>-<br>-<br>17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497  | 2025E  22,550 1,690 1,532 2 1,339 27,113 1,467  |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets   | 1Q23A<br>3,825<br>2,114<br>5,939<br>4,040<br>4,235<br>2<br>1,442<br>15,658<br>1,500<br>447  | 2Q23A<br>3,841<br>2,444<br>6,285<br>4,312<br>4,567<br>2<br>1,339<br>16,505<br>1,541<br>461  | 12,248<br>1,690<br>1,532<br>2<br>1,339<br>16,811<br>1,534<br>461  | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461   | 1024E<br>13,733<br>1,690<br>1,532<br>2<br>1,339<br>18,295<br>1,519<br>461   | 14,613<br>1,690<br>1,532<br>2<br>1,339<br>19,176<br>1,511<br>461   | 15,780<br>1,690<br>1,532<br>2<br>1,339<br>20,343<br>1,504<br>461   | 17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461   |    | 2022A<br>4,835<br>4,835<br>5,855<br>4,126<br>3,771<br>2<br>1,265<br>15,019<br>1,513<br>460   | 2023E<br>-<br>13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461   | 2024E<br>-<br>17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461  | 22,550<br>1,690<br>1,532<br>2<br>1,339<br>27,113<br>1,467<br>461  |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill  | 1023A<br>3,825<br>2,114<br>5,939<br>4,040<br>4,235<br>2<br>1,442<br>15,658<br>1,500<br>447<br>24,177  | 2Q23A<br>3,841<br>2,444<br>6,285<br>4,312<br>4,567<br>2<br>1,339<br>16,505<br>1,541<br>461<br>24,177  | 12,248<br>1,690<br>1,532<br>2<br>1,339<br>16,811<br>1,534<br>461<br>24,177  | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177   | 1Q24E  13,733 1,690 1,532 2 1,339 18,295 1,519 461 24,177   | 14,613<br>1,690<br>1,532<br>2<br>1,339<br>19,176<br>1,511<br>461<br>24,177   | 15,780<br>1,690<br>1,532<br>2<br>1,339<br>20,343<br>1,504<br>461<br>24,177   | 17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177   |    | 2022A<br>4,835<br>4,835<br>5,855<br>4,126<br>3,771<br>2<br>1,265<br>15,019<br>1,513<br>460<br>24,177   | 2023E<br>  | 2024E<br>-<br>17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177  | 2025E  22,550 1,690 1,532 2 1,339 27,113 1,467 461 24,177   |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net  | 1023A<br>3,825<br>2,114<br>5,939<br>4,040<br>4,235<br>2<br>1,442<br>15,658<br>1,500<br>447<br>24,177<br>23,291  | 2023A<br>3,841<br>2,444<br>6,285<br>4,312<br>4,567<br>2<br>1,339<br>16,505<br>1,541<br>461<br>24,177<br>22,598  | 12,248<br>1,690<br>1,532<br>2<br>1,339<br>16,811<br>1,534<br>461<br>24,177<br>22,598  | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598   | 1024E  13,733 1,690 1,532 2 1,339 18,295 1,519 461 24,177 22,598  | 14,613<br>1,690<br>1,532<br>2<br>1,339<br>19,176<br>1,511<br>461<br>24,177<br>22,598   | 15,780<br>1,690<br>1,532<br>2<br>1,339<br>20,343<br>1,504<br>461<br>24,177<br>22,598   | 17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598   |    | 2022A<br>4,835<br>4,835<br>5,855<br>4,126<br>3,771<br>2<br>1,265<br>15,019<br>1,513<br>460<br>24,177<br>24,118   | 2023E<br>-<br>13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598   | 2024E<br>-<br>17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598  | 22,550<br>1,690<br>1,532<br>2<br>1,339<br>27,113<br>1,467<br>461<br>24,177<br>22,598  |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net   | 1Q23A<br>3,825<br>2,114<br>5,939<br>4,040<br>4,235<br>2<br>1,442<br>15,658<br>1,500<br>447<br>24,177<br>23,291<br>47,468  | 2023A<br>3,841<br>2,444<br>6,285<br>4,312<br>4,567<br>2<br>1,339<br>16,505<br>1,541<br>461<br>24,177<br>22,598<br>46,775  | 12,248<br>1,690<br>1,532<br>2<br>1,339<br>16,811<br>1,534<br>461<br>24,177<br>22,598<br>46,775  | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775   | 13,733<br>1,690<br>1,532<br>2<br>1,339<br>18,295<br>1,519<br>461<br>24,177<br>22,598<br>46,775  | 14,613<br>1,690<br>1,532<br>2<br>1,339<br>19,176<br>1,511<br>461<br>24,177<br>22,598<br>46,775   | 15,780<br>1,690<br>1,532<br>2<br>1,339<br>20,343<br>1,504<br>461<br>24,177<br>22,598<br>46,775   | 17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775   |    | 2022A<br>4,835<br>4,835<br>5,855<br>4,126<br>3,771<br>2<br>1,265<br>15,019<br>1,513<br>460<br>24,177<br>24,118<br>48,295   | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775   | 2024E<br>   | 22,550<br>1,690<br>1,532<br>2<br>1,339<br>27,113<br>1,467<br>461<br>24,177<br>22,598<br>46,775  |
| Balance Sheet - GAAP  Cash and cash equivalents Marketable securities  Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets  Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net Investment: equity method   | 1023A<br>3,825<br>2,114<br>5,939<br>4,040<br>4,235<br>2<br>1,442<br>15,658<br>1,500<br>447<br>24,177<br>23,291<br>47,468<br>84  | 2023A<br>3,841<br>2,444<br>6,285<br>4,312<br>4,567<br>2<br>1,339<br>16,505<br>1,541<br>461<br>24,177<br>22,598<br>46,775<br>90  | 12,248<br>1,690<br>1,532<br>2<br>1,339<br>16,811<br>1,534<br>461<br>24,177<br>22,598<br>46,775<br>90  | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>1,568<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90  | 1,373<br>1,690<br>1,532<br>2<br>1,339<br>461<br>24,177<br>22,598<br>46,775<br>90  | 14,613<br>1,690<br>1,532<br>2<br>1,339<br>19,176<br>1,511<br>461<br>24,777<br>22,598<br>46,775<br>90   | 15,780<br>1,690<br>1,532<br>2<br>1,339<br>20,343<br>1,504<br>461<br>24,177<br>22,598<br>46,775<br>90   | 17,150<br>1,690<br>1,532<br>2<br>1,733<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90   |    | 2022A<br>4,835<br>4,835<br>5,855<br>4,126<br>3,771<br>2<br>1,265<br>15,019<br>1,513<br>460<br>24,177<br>24,118<br>48,295<br>83   | 2023E<br>13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90  | 17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90  | 22,550<br>1,690<br>1,532<br>2<br>1,339<br>27,113<br>1,467<br>461<br>24,177<br>22,598<br>46,775<br>90  |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net Investment: equity method Other assets - Noncurrent   | 1023A 3,825 2,114 5,939 4,040 4,235 2 1,442 15,658 1,500 447 24,177 23,291 47,468 84 2,477  | 2023A<br>3,841<br>2,444<br>6,285<br>4,312<br>4,567<br>2<br>1,339<br>16,505<br>1,541<br>461<br>24,177<br>22,598<br>46,775<br>90<br>2,595   | 12,248<br>1,690<br>1,532<br>2<br>1,339<br>16,811<br>1,534<br>461<br>24,177<br>22,598<br>46,775<br>90  | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,75<br>90  | 1024E  13,733 1,690 1,532 2 1,339 18,295 1,519 461 24,177 22,598 46,775 90 437  | 14,613<br>1,690<br>1,532<br>2<br>1,339<br>19,176<br>1,511<br>461<br>24,177<br>22,598<br>46,775<br>90   | 15,780<br>1,690<br>1,532<br>2<br>1,339<br>20,343<br>1,504<br>461<br>24,177<br>22,598<br>46,775<br>90   | 17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437  |    | 2022A<br>4,835<br>4,835<br>5,855<br>4,126<br>3,771<br>2<br>1,265<br>15,019<br>1,513<br>460<br>24,177<br>24,118<br>48,295<br>83<br>2,210  | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90   | 2024E<br>-<br>17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437   | 22,550<br>1,690<br>1,532<br>2<br>1,339<br>27,113<br>1,467<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437   |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net Investment: equity method Other assets - Noncurrent Total noncurrent assets   | 1023A<br>3,825<br>2,114<br>5,939<br>4,040<br>4,235<br>2<br>1,442<br>15,658<br>1,500<br>447<br>24,177<br>23,291<br>47,468<br>84<br>2,477<br>51,976                                     | 2023A<br>3,841<br>2,444<br>6,285<br>4,312<br>4,567<br>2<br>1,339<br>16,505<br>1,541<br>24,177<br>22,598<br>46,775<br>90<br>2,595<br>51,462  | 12,248<br>1,690<br>1,532<br>2<br>1,339<br>16,811<br>1,534<br>4611<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,297  | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289  | 1,532<br>1,532<br>2<br>1,339<br>18,295<br>1,519<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,282   | 14,613<br>1,690<br>1,532<br>2<br>1,339<br>19,176<br>1,511<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,274  | 15,780<br>1,690<br>1,532<br>2<br>1,339<br>20,343<br>1,504<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,267  | 17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,260  |    | 2022A<br>4,835<br>4,835<br>5,855<br>4,126<br>3,771<br>2<br>1,265<br>15,019<br>1,513<br>460<br>24,177<br>24,118<br>48,295<br>83<br>2,210<br>52,561  | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289  | 2024E<br>-<br>17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,260                                     | 22,550<br>1,690<br>1,532<br>2,1,339<br>27,113<br>1,467<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,230  |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net Investment: equity method Other assets - Noncurrent Total noncurrent assets Total assets  | 1023A 3,825 2,114 5,939 4,040 4,235 2 1,442 15,658 1,500 447 24,177 23,291 47,468 84 2,477  | 2023A<br>3,841<br>2,444<br>6,285<br>4,312<br>4,567<br>2<br>1,339<br>16,505<br>1,541<br>461<br>24,177<br>22,598<br>46,775<br>90<br>2,595   | 12,248<br>1,690<br>1,532<br>2<br>1,339<br>16,811<br>1,534<br>461<br>24,177<br>22,598<br>46,775<br>90  | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,75<br>90  | 1024E  13,733 1,690 1,532 2 1,339 18,295 1,519 461 24,177 22,598 46,775 90 437  | 14,613<br>1,690<br>1,532<br>2<br>1,339<br>19,176<br>1,511<br>461<br>24,177<br>22,598<br>46,775<br>90   | 15,780<br>1,690<br>1,532<br>2<br>1,339<br>20,343<br>1,504<br>461<br>24,177<br>22,598<br>46,775<br>90   | 17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437  |    | 2022A<br>4,835<br>4,835<br>5,855<br>4,126<br>3,771<br>2<br>1,265<br>15,019<br>1,513<br>460<br>24,177<br>24,118<br>48,295<br>83<br>2,210  | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90   | 2024E<br>-<br>17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437   | 22,550<br>1,690<br>1,532<br>2<br>1,339<br>27,113<br>1,467<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437   |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net Investment: equity method Other assets - Noncurrent Total noncurrent assets Total assets Short-term debt  | 1023A<br>3,825<br>2,114<br>5,939<br>4,040<br>4,235<br>2<br>1,442<br>15,658<br>1,500<br>447<br>24,177<br>23,291<br>47,468<br>84<br>2,477<br>51,976<br>67,634                           | 2023A<br>3,841<br>2,444<br>6,285<br>4,312<br>4,567<br>2<br>1,339<br>16,505<br>1,541<br>461<br>24,177<br>22,598<br>46,775<br>90<br>2,595<br>51,462<br>67,967                               | 12,248<br>1,690<br>1,532<br>2<br>1,339<br>16,811<br>1,534<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,297   | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289  | 1,690<br>1,690<br>1,532<br>2<br>1,339<br>18,295<br>1,519<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,282<br>67,577  | 14,613<br>1,690<br>1,532<br>2<br>1,339<br>19,176<br>1,511<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,274<br>68,451  | 15,780<br>1,690<br>1,532<br>2<br>1,339<br>20,343<br>1,504<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,267<br>69,610  | 17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,260<br><b>70,972</b>   |    | 2022A<br>4,835<br>4,835<br>5,855<br>4,126<br>3,771<br>2<br>1,265<br>15,019<br>1,513<br>460<br>24,177<br>24,118<br>48,295<br>83<br>2,210<br>52,561<br>67,580  | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987  | 2024E<br>17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,260<br>70,972                                | 22,550<br>1,690<br>1,532<br>2<br>1,339<br>27,113<br>1,467<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,230<br>76,343   |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net Investment: equity method Other assets - Noncurrent Total noncurrent assets Total assets Short-term debt Accounts payable   | 1023A 3,825 2,114 5,939 4,040 4,235 2 1,442 15,658 1,500 447 24,177 23,291 47,468 84 2,477 51,976 67,634  | 2023A 3,841 2,444 6,285 4,312 4,567 2 1,339 16,505 1,541 461 24,177 22,598 46,775 90 2,595 51,462 67,967  | 12,248<br>1,690<br>1,532<br>2<br>1,339<br>16,811<br>1,534<br>4617<br>22,598<br>46,775<br>90<br>437<br>49,297<br>66,108  | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987  | 1,3733<br>1,690<br>1,532<br>2<br>1,339<br>18,295<br>1,519<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,282<br>67,577   | 14,613<br>1,690<br>1,532<br>2<br>1,339<br>19,176<br>1,511<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,274<br>68,451<br>-   | 15,780<br>1,690<br>1,532<br>2<br>1,339<br>20,343<br>1,504<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,267<br><b>69,610</b>   | 17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,260<br>70,972<br>2,779   |    | 2022A<br>4,835<br>4,835<br>5,855<br>4,126<br>3,771<br>2<br>1,265<br>15,019<br>1,513<br>460<br>24,177<br>24,118<br>48,295<br>83<br>2,210<br>52,561<br>67,580  | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987  | 2024E   | 22,550<br>1,690<br>1,532<br>2<br>1,339<br>27,113<br>1,467<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,230<br>76,343<br>2,779  |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net Investment: equity method Other assets - Noncurrent Total noncurrent assets Short-term debt Accounts payable Payables to related parties  | 1023A 3,825 2,114 5,939 4,040 4,235 2 1,442 15,658 1,500 447 24,177 23,291 47,468 84 2,477 51,976 67,634 - 2,518 353  | 2023A 3,841 2,444 6,285 4,312 4,567 2 1,339 16,505 1,541 461 24,177 22,598 46,775 90 2,595 51,462 67,967 - 2,779 313  | 12,248<br>1,690<br>1,532<br>2<br>1,339<br>16,811<br>1,534<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,297<br>66,108<br>2,779<br>313                     | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987  | 1,532<br>1,532<br>2<br>1,339<br>18,295<br>1,512<br>2,4177<br>22,598<br>46,775<br>90<br>437<br>49,282<br>67,577<br>2,779<br>313  | 14,613<br>1,690<br>1,532<br>2<br>1,339<br>19,176<br>1,511<br>461<br>124,177<br>22,598<br>46,775<br>90<br>437<br>49,274<br>68,451<br>2,779<br>313   | 15,780<br>1,690<br>1,532<br>2<br>1,339<br>20,343<br>1,504<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,267<br><b>69,610</b><br>2,779<br>313   | 17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>44,177<br>22,598<br>46,775<br>90<br>437<br>49,260<br>70,972   |    | 2022A<br>4,835<br>4,835<br>5,855<br>4,126<br>3,771<br>2<br>1,265<br>15,019<br>1,513<br>460<br>24,177<br>24,118<br>48,295<br>83<br>2,210<br>52,561<br>67,580<br>2,493<br>463  | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987<br>  | 2024E   | 22,550<br>1,690<br>1,532<br>2,1339<br>27,113<br>1,467<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,230<br>76,343<br>-<br>2,779<br>313  |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net Investment: equity method Other assets - Noncurrent Total noncurrent assets Short-term debt Accounts payable Payables to related parties Accrued liabilities  | 1023A 3,825 2,114 5,939 4,040 4,235 2 1,442 15,658 1,500 447 24,177 23,291 47,468 84 2,477 51,976 67,634  | 2023A<br>3,841<br>2,444<br>6,285<br>4,312<br>4,567<br>2<br>1,339<br>16,505<br>1,541<br>461<br>24,177<br>22,598<br>46,775<br>90<br>2,595<br>51,462<br>67,967<br>-<br>2,779<br>313<br>2,971 | 12,248<br>1,690<br>1,532<br>2<br>1,339<br>16,811<br>1,534<br>4617<br>22,598<br>46,775<br>90<br>437<br>49,297<br>66,108  | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987  | 1,3733<br>1,690<br>1,532<br>2<br>1,339<br>18,295<br>1,519<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,282<br>67,577   | 14,613<br>1,690<br>1,532<br>2<br>1,339<br>19,176<br>1,511<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,274<br>68,451<br>-   | 15,780<br>1,690<br>1,532<br>2<br>1,339<br>20,343<br>1,504<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,267<br><b>69,610</b>   | 17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,260<br>70,972<br>2,779   |    | 2022A<br>4,835<br>4,835<br>5,855<br>4,126<br>3,771<br>2<br>1,265<br>15,019<br>1,513<br>460<br>24,177<br>24,118<br>48,295<br>83<br>2,210<br>52,561<br>67,580  | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987  | 2024E   | 22,550<br>1,690<br>1,532<br>2<br>1,339<br>27,113<br>1,467<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,230<br>76,343<br>2,779  |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net Investment: equity method Other assets - Noncurrent Total noncurrent assets Short-term debt Accounts payable Payables to related parties Accrued liabilities Current portion of LT debt   | 1023A 3,825 2,114 5,939 4,040 4,235 2 1,442 15,658 1,500 447 24,177 23,291 47,468 84 2,477 51,976 67,634 - 2,518 353 3,167  | 2023A 3,841 2,444 6,285 4,312 4,567 2 1,339 16,505 1,541 461 24,177 22,598 46,775 90 2,595 51,462 67,967 2,779 313 2,971 753  | 12,248 1,690 1,532 2 1,339 16,811 1,534 461 24,177 22,598 46,775 90 437 49,297 66,108 - 2,779 313 2,971   | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987  | 1,690<br>1,532<br>2<br>1,339<br>18,295<br>1,519<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,282<br>67,577<br>-<br>2,779<br>313<br>2,971   | 2Q24E  14,613 1,690 1,532 2 1,339 19,176 1,511 461 24,177 22,598 46,775 90 437 49,274 68,451 2,779 313 2,971   | 15,780<br>1,690<br>1,532<br>2<br>1,339<br>20,343<br>1,504<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,267<br>69,610<br>-<br>2,779<br>313<br>2,971  | 17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,260<br>70,972<br>2,779<br>313<br>2,971   |    | 2022A<br>4,835<br>4,835<br>5,855<br>4,126<br>3,771<br>2<br>1,265<br>15,019<br>1,513<br>460<br>24,177<br>24,118<br>48,295<br>83<br>2,210<br>52,561<br>67,580<br>2,493<br>463<br>3,077   | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>6,987<br>-<br>2,779<br>313<br>2,971   | 2024E   | 2025E  22,550 1,690 1,532 2 1,339 27,113 1,467 461 24,177 22,598 46,775 90 437 49,230 76,343 2,779 313 2,971  |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net Investment: equity method Other assets - Noncurrent Total noncurrent assets Total assets Short-term debt Accounts payable Payables to related parties Accrued liabilities Current portion of LT debt Other liabilities - Current  | 1023A 3,825 2,114 5,939 4,040 4,235 2 1,442 15,658 1,500 447 24,177 23,291 47,468 84 2,477 51,976 67,634 - 2,518 353 3,167  | 2023A 3,841 2,444 6,285 4,312 4,567 2 1,339 16,505 1,541 461 24,177 22,598 46,775 90 2,595 51,462 67,967 - 2,779 313 2,971 753 756  | 12,248 1,690 1,532 2 1,339 16,811 1,534 461 24,177 22,598 46,775 90 437 49,297 66,108 2,779 313 2,971   | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987<br>2,779<br>313<br>2,971   | 1024E  13,733 1,690 1,532 2 1,339 18,295 1,519 461 24,177 22,598 46,775 90 437 49,282 67,577 313 2,971  | 2Q24E  14,613 1,690 1,532 2 1,339 19,176 1,511 461 24,177 22,598 46,775 90 437 49,274 68,451 - 2,779 313 2,971   | 15,780<br>1,690<br>1,532<br>2<br>1,339<br>20,343<br>1,504<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,267<br><b>69,61</b><br>2,779<br>313<br>2,971   | 17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,260<br>70,972<br>2,779<br>313<br>2,971   |    | 2022A<br>4,835<br>4,835<br>5,855<br>4,126<br>3,771<br>2<br>1,265<br>15,019<br>1,513<br>460<br>24,177<br>24,118<br>48,295<br>83<br>2,210<br>52,561<br>67,580<br>2,493<br>463<br>3,077<br>336  | 2023E  | 2024E   | 22,550<br>1,690<br>1,532<br>2<br>1,339<br>27,113<br>1,467<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,230<br>76,343<br>2,779<br>313<br>2,971  |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net Investment: equity method Other assets - Noncurrent Total noncurrent assets Short-term debt Accounts payable Payables to related parties Accrued liabilities Current portion of LT debt Other liabilities - Current Total current liabilities   | 1023A 3,825 2,114 5,939 4,040 4,235 2 1,442 15,658 1,500 447 24,177 23,291 47,468 84 2,477 51,976 67,634 2,518 353 3,167  | 2023A 3,841 2,444 6,285 4,312 4,567 2 1,339 16,505 1,541 461 24,177 22,598 46,775 90 2,595 51,462 67,967 2,779 313 2,971 753 756 7,572  | 12,248 1,690 1,532 2 1,339 16,811 1,534 461 24,177 22,598 46,775 90 437 49,297 66,108 2,779 313 2,971 756 6,819   | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987<br>2,779<br>313<br>2,971   | 1,532<br>1,690<br>1,532<br>2<br>1,339<br>18,295<br>1,519<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,282<br>67,577<br>2,779<br>313<br>2,971   | 14,613<br>1,690<br>1,532<br>2<br>1,339<br>19,176<br>1,511<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,274<br>68,451<br>2,779<br>313<br>2,971   | 15,780<br>1,690<br>1,532<br>2<br>1,339<br>20,343<br>1,504<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,267<br><b>69,610</b><br>2,779<br>313<br>2,971  | 17,150<br>1,690<br>1,532<br>2 1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,260<br>70,972<br>2,779<br>313<br>2,971  |    | 2022A<br>4,835<br>4,835<br>5,855<br>4,126<br>3,771<br>2<br>1,265<br>15,019<br>1,513<br>460<br>24,177<br>24,118<br>48,295<br>83<br>2,210<br>52,561<br>67,580<br>2,493<br>463<br>3,077<br>336<br>6,369   | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987<br>2,779<br>313<br>2,971   | 2024E - 17,150 1,690 1,532 2 1,339 21,713 1,497 461 24,177 22,598 46,775 90 437 49,260 70,972 2,779 313 2,971 756 6,819   | 22,550<br>1,690<br>1,532<br>2 1,339<br>27,113<br>1,467<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,230<br>76,343<br>2,779<br>313<br>2,971   |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net Investment: equity method Other assets - Noncurrent Total noncurrent assets Short-term debt Accounts payable Payables to related parties Accrued liabilities Current portion of LT debt Other liabilities - Current Total current flabilities Long-term debt  | 1Q23A 3,825 2,114 5,939 4,040 4,235 2 1,442 15,658 1,500 447 24,177 23,291 47,468 84 2,477 51,976 67,634 - 2,518 353 3,167 539 6,577 2,467  | 2023A 3,841 2,444 6,285 4,312 4,567 2 1,339 16,505 1,541 461 24,177 22,598 46,775 90 2,595 51,462 67,967 - 2,779 313 2,971 753 756 7,572 1,714  | 12,248 1,690 1,532 2 1,339 16,811 1,534 461 24,177 22,598 46,775 90 437 49,297 66,108 - 2,779 313 2,971 756 6,819 1,714   | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987<br>-<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714   | 13,733<br>1,690<br>1,532<br>2<br>1,339<br>18,295<br>1,519<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,282<br>67,577<br>-<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714                                    | 2Q24E  14,613 1,690 1,532 2 1,339 19,776 1,511 461 24,177 22,598 46,775 90 437 49,274 49,274 68,451 - 2,779 313 2,971 756 6,819 1,714  | 15,780 1,690 1,532 2 1,339 20,343 4,504 461 24,177 22,598 46,775 90 437 49,267 69,610 - 2,779 313 2,971 756 6,819 1,714  | 17,150<br>1,690<br>1,592<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,260<br>70,972<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714  |    | 2022A<br>4,835<br>4,835<br>5,855<br>4,126<br>3,771<br>2<br>1,265<br>15,019<br>1,513<br>460<br>24,177<br>24,118<br>48,295<br>83<br>2,210<br>52,561<br>67,580<br>2,493<br>463<br>3,077<br>336<br>6,369<br>2,467  | 2023E  13,135 1,690 1,532 2 1,339 17,698 1,526 461 24,177 22,598 46,775 90 437 49,289 66,987 - 2,779 313 2,971 756 6,819 1,714   | 2024E   | 2025E  22,550 1,690 1,532 2 1,339 27,113 1,467 461 24,177 22,598 46,775 90 437 49,230 76,343 2,779 313 2,971 756 6,819 1,714  |
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| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net Investment: equity method Other assets - Noncurrent Total noncurrent assets Total assets Short-term debt Accounts payable Payables to related parties Accrued liabilities Current portion of LT debt Other liabilities Long-term debt Long-term dept Long-term deptalicase liabilities Other liabilities - Noncurrent   | 1023A 3,825 2,114 5,939 4,040 4,235 2 1,442 15,658 1,500 447 24,177 23,291 47,468 84 2,477 51,976 67,634 - 2,518 353 3,167 539 6,577 2,467 381 3,515                                  | 2023A 3,841 2,444 6,285 4,312 4,567 2 1,339 16,505 1,541 461 24,177 22,598 46,775 90 2,595 51,462 67,967 - 2,779 313 2,971 753 756 7,572 1,714 393 3,152                                  | 12,248 1,690 1,532 2 1,339 16,811 1,534 461 24,177 22,598 46,775 90 437 49,297 66,108 2,779 313 2,971 756 6,819 1,714 393 3,152                                     | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152  | 1024E  13,733 1,690 1,532 2 1,339 18,295 1,519 461 24,177 22,598 46,775 90 437 49,282 67,577 313 2,971 756 6,819 1,714 393 3,152  | 14,613 1,690 1,532 2 1,339 19,176 1,511 461 24,177 22,598 46,775 90 437 49,274 68,451 - 2,779 313 2,971 756 6,819 1,714 393 3,152  | 15,780<br>1,690<br>1,532<br>2<br>1,339<br>20,343<br>1,504<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,267<br><b>69,610</b><br>2,779<br>313<br>2,971<br>756<br><b>6,819</b><br>1,714<br>393<br>3,152                                    | 17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,260<br>70,972<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152  |    | 2022A<br>4,835<br>4,835<br>5,855<br>4,126<br>3,771<br>2<br>1,265<br>15,019<br>1,513<br>460<br>24,177<br>24,118<br>48,295<br>83<br>2,210<br>52,561<br>67,580<br>2,493<br>463<br>3,077<br>336<br>6,369<br>2,467  | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987<br>-<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152                                       | 2024E   | 22,550<br>1,690<br>1,532<br>2,1339<br>27,113<br>1,467<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,230<br>76,343<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152           |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net Investment: equity method Other assets - Noncurrent Total noncurrent assets Short-term debt Accounts payable Payables to related parties Accrued liabilities Current portion of LT debt Other liabilities - Current Total current liabilities Long-term debt Long-term operating lease liabilities  | 1023A 3,825 2,114 5,939 4,040 4,235 2 1,442 15,658 1,500 447 24,177 23,291 47,468 84 2,477 51,976 67,634 - 2,518 353 3,167 539 6,577 2,467 381  | 2023A 3,841 2,444 6,285 4,312 4,567 2 1,339 16,505 1,541 461 24,177 22,598 46,775 90 2,595 51,462 67,967 - 2,779 313 2,971 753 756 7,572 1,714 393  | 12,248 1,690 1,532 2 1,339 16,811 1,534 461 24,177 22,598 46,775 90 437 49,297 66,108 - 2,779 313 2,971 756 6,819 1,714 393   | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987<br>-<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393  | 1,3733<br>1,690<br>1,532<br>2<br>1,339<br>18,295<br>1,519<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,282<br>67,577<br>-<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393                             | 2Q24E  14,613 1,690 1,532 2 1,339 19,176 1,511 461 24,177 22,598 46,775 90 437 49,274 68,451 2,779 313 2,971 756 6,819 1,714 393   | 15,780<br>1,690<br>1,532<br>2<br>1,339<br>20,343<br>1,504<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,267<br>69,610<br>-<br>2,779<br>313<br>2,971<br>66,819<br>1,714<br>393  | 17,150<br>1,690<br>1,592<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,260<br>70,972<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714  |    | 2022A<br>4,835<br>4,835<br>5,855<br>4,126<br>3,771<br>2<br>1,265<br>15,019<br>1,513<br>460<br>24,177<br>24,118<br>48,295<br>83<br>2,210<br>52,561<br>67,580<br>2,493<br>463<br>3,077<br>336<br>6,369<br>2,467<br>396   | 2023E  13,135 1,690 1,532 2 1,339 17,698 1,526 461 24,177 22,598 46,775 90 437 49,289 66,819 2,779 313 2,971 756 6,819 1,714 393   | 2024E   | 2025E  22,550 1,690 1,532 2 1,339 27,113 1,467 461 24,177 22,598 46,775 90 437 49,230 76,343 - 2,779 313 2,971 756 6,819 1,714 393  |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net Investment: equity method Other assets - Noncurrent Total noncurrent assets Total assets Short-term debt Accounts payable Payables to related parties Accrued liabilities Current portion of LT debt Other liabilities Long-term debt Long-term dept Long-term deptalicase liabilities Other liabilities - Noncurrent   | 1023A 3,825 2,114 5,939 4,040 4,235 2 1,442 15,658 1,500 447 24,177 23,291 47,468 84 2,477 51,976 67,634 - 2,518 353 3,167 539 6,577 2,467 381 3,515                                  | 2023A 3,841 2,444 6,285 4,312 4,567 2 1,339 16,505 1,541 461 24,177 22,598 46,775 90 2,595 51,462 67,967 - 2,779 313 2,971 753 756 7,572 1,714 393 3,152                                  | 12,248 1,690 1,532 2 1,339 16,811 1,534 461 24,177 22,598 46,775 90 437 49,297 66,108 2,779 313 2,971 756 6,819 1,714 393 3,152                                     | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152  | 1024E  13,733 1,690 1,532 2 1,339 18,295 1,519 461 24,177 22,598 46,775 90 437 49,282 67,577 313 2,971 756 6,819 1,714 393 3,152  | 14,613 1,690 1,532 2 1,339 19,176 1,511 461 24,177 22,598 46,775 90 437 49,274 68,451 - 2,779 313 2,971 756 6,819 1,714 393 3,152  | 15,780<br>1,690<br>1,532<br>2<br>1,339<br>20,343<br>1,504<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,267<br><b>69,610</b><br>2,779<br>313<br>2,971<br>756<br><b>6,819</b><br>1,714<br>393<br>3,152                                    | 17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,260<br>70,972<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152  |    | 2022A 4,835 4,835 5,855 4,126 3,771 2 1,265 15,019 1,513 460 24,177 24,118 48,295 83 2,210 52,561 67,580 2,493 463 3,077 336 6,369 2,467 396 3,598   | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987<br>-<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152                                       | 2024E   | 2025E  22,550 1,690 1,532 2 1,339 27,113 1,467 461 24,177 22,598 46,775 90 437 49,230 76,343 2,779 313 2,971 756 6,819 1,714 393 3,152  |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net Investment: equity method Other assets - Noncurrent Total noncurrent assets Short-term debt Accounts payable Payables to related parties Accrued liabilities Current portion of LT debt Other liabilities Long-term debt Long-term dept Long-term operating lease liabilities Other liabilities - Noncurrent Total noncurrent liabilities   | 1023A 3,825 2,114 5,939 4,040 4,235 2 1,442 15,658 1,500 447 24,177 23,291 47,468 84 2,477 51,976 67,634 2,518 353 3,167 539 6,577 2,467 381 3,515 6,363                              | 2023A 3,841 2,444 6,285 4,312 4,567 2 1,339 16,505 1,541 461 24,177 22,598 46,775 90 2,595 51,462 67,967 2,779 313 2,971 753 756 7,572 1,714 393 3,152 5,259                              | 12,248 1,690 1,532 2 1,339 16,811 1,534 461 24,177 22,598 46,775 90 437 49,297 66,108 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259                               | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152<br>5,259   | 1,734<br>1,690<br>1,532<br>2<br>1,339<br>18,295<br>1,519<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,282<br>67,577<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152<br>5,259                 | 14,613<br>1,690<br>1,532<br>2<br>1,339<br>19,176<br>1,511<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,274<br>68,451<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152<br>5,259 | 15,780<br>1,690<br>1,532<br>2<br>1,339<br>20,343<br>1,504<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,267<br><b>69,610</b><br>2,779<br>313<br>2,971<br>756<br><b>6,819</b><br>1,714<br>393<br>3,152<br><b>5,259</b>                    | 17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,260<br>70,972<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152<br>5,259   |    | 2022A<br>4,835<br>4,835<br>5,855<br>4,126<br>3,771<br>2<br>1,265<br>15,019<br>1,513<br>460<br>24,177<br>24,118<br>48,295<br>83<br>2,210<br>52,561<br>67,580<br>2,493<br>463<br>3,077<br>336<br>6,369<br>2,467<br>396<br>3,598<br>6,461   | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>33<br>3,152<br>5,259                                    | 2024E   | 22,550<br>1,690<br>1,532<br>2,1,339<br>27,113<br>1,467<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,230<br>76,343<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152<br>5,259 |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net Investment: equity method Other assets - Noncurrent Total noncurrent assets Short-term debt Accounts payable Payables to related parties Accrued liabilities Current portion of LT debt Other liabilities - Current Total current liabilities Long-term debt Long-term debt Long-term operating lease liabilities Other liabilities - Noncurrent Total noncurrent liabilities Total liabilities   | 1Q23A 3,825 2,114 5,939 4,040 4,235 2 1,442 15,658 1,500 447 24,177 23,291 47,468 84 2,477 51,976 67,634 - 2,518 353 3,167 539 6,577 2,467 381 3,515 6,363 12,940                     | 2023A 3,841 2,444 6,285 4,312 4,567 2 1,339 16,505 1,541 461 24,177 22,598 46,775 90 2,595 51,462 67,967 - 2,779 313 2,971 753 756 7,572 1,714 393 3,152 5,259 12,831                     | 12,248 1,690 1,532 2 1,339 16,811 1,534 461 24,177 22,598 46,775 90 437 49,297 66,108 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078                      | 13,135 1,690 1,532 2 1,339 17,698 1,526 461 24,177 22,598 46,775 90 437 49,289 66,987 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078   | 13,733<br>1,690<br>1,532<br>2<br>1,339<br>18,295<br>1,519<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,282<br>67,577<br>-<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152<br>5,259<br>12,078 | 14,613 1,690 1,532 2 1,339 19,176 1,511 461 24,177 22,598 46,775 90 437 49,274 68,51 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078  | 15,780 1,690 1,532 2 1,339 20,433 1,504 461 24,177 22,598 46,775 90 437 49,267 69,610 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078   | 17,150<br>1,690<br>1,592<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,260<br>70,972<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152<br>5,259<br>12,078                                 |    | 2022A<br>4,835<br>4,835<br>5,855<br>4,126<br>3,771<br>2<br>1,265<br>15,019<br>1,513<br>460<br>24,177<br>24,118<br>48,295<br>83<br>2,210<br>52,561<br>67,580<br>2,493<br>463<br>3,077<br>336<br>6,369<br>2,467<br>396<br>3,598<br>6,461<br>12,830   | 2023E  13,135 1,690 1,532 2 1,339 17,698 1,526 461 24,177 22,598 46,775 90 437 49,289 66,987 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078  | 2024E   | 2025E  22,550 1,690 1,532 2 1,339 27,113 1,467 461 24,177 22,598 46,775 90 437 49,230 76,343 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078   |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net Investment: equity method Other assets - Noncurrent Total noncurrent assets Total assets Short-term debt Accounts payable Payables to related parties Accrued liabilities Current portion of LT debt Other liabilities - Current Total current liabilities Long-term debt Long-term operating lease liabilities Other liabilities - Noncurrent Total noncurrent liabilities Total liabilities Total liabilities Total liabilities Total liabilities Total liabilities Total liabilities   | 1023A 3,825 2,114 5,939 4,040 4,235 2 1,442 15,658 1,500 447 24,177 23,291 47,468 84 2,477 51,976 67,634 2,518 353 3,167 539 6,577 2,467 381 3,515 6,363 12,940 54,694 67,634         | 2023A 3,841 2,444 6,285 4,312 4,567 2 1,339 16,505 1,541 461 24,177 22,598 46,775 90 2,595 51,462 67,967 - 2,779 313 2,971 753 756 7,572 1,714 393 3,152 5,259 12,831 55,136 67,967       | 12,248 1,690 1,532 2 1,339 16,811 1,534 461 24,177 22,598 46,775 90 437 49,297 66,108 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 54,030 66,108          | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987<br>-<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,719<br>1,719<br>3,152<br>5,259<br>12,078<br>54,909<br>66,987    | 1024E  13,733 1,690 1,532 2 1,339 18,295 1,519 461 24,177 22,598 46,757  49,282 67,577  756 6,819 1,714 393 3,152 5,259 12,078 55,499 67,577  | 14,613 1,690 1,532 2 1,339 19,176 1,511 461 24,177 22,598 46,775 90 437 49,274 68,451 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 56,373 68,451   | 15,780 1,690 1,532 2 1,339 20,343 1,504 461 24,177 22,598 46,775 90 437 49,267 69,610 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 57,532 69,610   | 17,150<br>1,690<br>1,592<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,260<br>70,972<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152<br>5,259<br>12,078<br>58,894<br>70,972             |    | 2022A 4,835 4,835 5,855 4,126 3,771 2 1,265 15,019 1,513 460 24,177 24,118 48,295 83 2,210 52,561 67,580 2,493 463 3,077 336 6,369 2,467 3,96 3,598 6,461 12,830 54,750 67,580   | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987<br>-<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,719<br>33<br>3,152<br>5,259<br>12,078<br>54,909<br>66,987 | 2024E   | 2025E  22,550 1,690 1,532 2 1,339 27,113 1,467 461 24,177 22,598 46,775 90 437 49,230 76,343 2,971 756 6,819 1,714 393 3,152 5,259 12,078 64,265 76,343   |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net Investment: equity method Other assets - Noncurrent Total noncurrent assets Short-term debt Accounts payable Payables to related parties Accrued liabilities Current portion of LT debt Other liabilities Long-term debt Long-term debt Long-term debt Other liabilities Other liabilities - Noncurrent Total loncurrent ilabilities Total liabilities and stockholders' equity   | 1023A 3,825 2,114 5,939 4,040 4,235 2 1,442 15,658 1,500 447 24,177 23,291 47,468 84 2,477 51,976 67,634 - 2,518 353 3,167 539 6,577 2,467 381 3,515 6,363 12,940 54,694              | 2023A 3,841 2,444 6,285 4,312 4,567 2 1,339 16,505 1,541 461 24,177 22,598 46,775 90 2,595 51,462 67,967 - 2,779 313 2,971 753 756 7,572 1,714 393 3,152 5,259 12,831 55,136              | 12,248 1,690 1,532 2 1,339 16,811 1,534 461 24,177 22,598 46,775 90 437 49,297 66,108 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 54,030               | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987<br>-<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152<br>5,259<br>12,078                          | 1024E  13,733 1,690 1,532 2 1,339 18,295 1,519 461 24,177 22,598 46,75 90 437 49,282 67,577 2,779 313 2,971 756 6,8819 1,714 393 3,152 5,259 12,078   | 14,613 1,690 1,532 2 1,339 19,176 1,511 461 24,177 22,598 46,775 90 437 49,274 68,51 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078  | 15,780 1,690 1,532 2 1,339 20,343 1,504 461 24,177 22,598 46,775 90 437 49,2610 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078   | 17,150<br>1,690<br>1,592<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,260<br>70,972<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152<br>5,259<br>12,078                                 |    | 2022A 4,835 4,835 5,855 4,126 3,771 2 1,265 15,019 1,513 460 24,177 24,118 48,295 83 2,210 52,561 67,580 2,493 463 3,077 336 6,369 2,467 396 3,598 6,461 12,830 54,750   | 2023E  13,135 1,690 1,532 2 1,339 17,698 1,526 461 24,177 22,598 46,775 90 437 49,289 66,87 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 54,909  | 2024E   | 2025E  22,550 1,690 1,532 2 1,339 27,113 1,467 461 24,177 22,598 46,775 90 437 49,230 76,343 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 64,265  |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net Investment: equity method Other assets - Noncurrent Total noncurrent assets Short-term debt Accounts payable Payables to related parties Accrued liabilities Current portion of LT debt Other liabilities - Current Total current liabilities Long-term debt Long-term debt Long-term debt Total noncurrent liabilities Other liabilities - Noncurrent Total tonocurrent liabilities Total liabilities and stockholders' equity Net Cash  | 1Q23A 3,825 2,114 5,939 4,040 4,235 2 1,442 15,658 1,500 447 24,177 23,291 47,468 84 2,477 51,976 67,634 - 2,518 353 3,167 539 6,577 2,467 381 3,515 6,363 12,940 54,694 67,634 3,472 | 2023A 3,841 2,444 6,285 4,312 4,567 2 1,339 16,505 1,541 461 24,177 22,598 46,775 90 2,595 51,462 67,967 - 2,779 313 2,971 753 756 7,572 1,714 393 3,152 5,259 12,831 55,136 67,967 3,818 | 12,248 1,690 1,532 2 1,339 16,811 1,534 461 24,177 22,598 46,775 90 437 49,297 66,108 1,714 393 3,152 5,259 12,078 54,030 66,108 10,534                             | 13,135 1,690 1,532 2 1,339 17,698 1,526 461 24,177 22,598 46,775 90 437 49,289 66,987 1,714 393 3,152 5,259 12,078 54,909 66,987 11,421  | 1024E  13,733 1,690 1,532 2 1,339 18,295 1,519 461 24,177 22,598 46,775 90 437 49,282 67,577 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 55,499 67,577 12,019  | 2024E  14,613 1,690 1,532 2 1,339 19,176 1,511 461 24,177 22,598 46,775 90 437 49,274 68,451 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 56,373 68,451 12,899                                 | 15,780 1,690 1,532 2 1,339 20,343 1,504 461 24,177 22,598 46,775 90 437 49,267 69,610 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 57,532 69,610 14,066  | 17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,578<br>90<br>437<br>49,260<br>70,972<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152<br>5,259<br>12,078<br>58,894<br>70,972<br>15,436             |    | 2022A 4,835 4,835 5,855 4,126 3,771 2 1,265 15,019 1,513 460 24,177 24,118 48,295 83 2,210 52,561 67,580 3,598 6,461 12,830 54,750 67,580 3,388  | 2023E  13,135 1,690 1,532 2 1,339 17,698 1,526 461 24,177 22,598 46,775 90 437 49,289 66,987 2,779 313 2,971  756 6,819 1,714 393 3,152 5,259 12,078 54,909 66,987 11,421  | 2024E 17,150 1,690 1,532 2 1,339 21,713 1,497 461 24,177 22,598 46,775 90 437 49,260 70,972 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 58,894 70,972 15,436 | 2025E  22,550 1,690 1,532 2 1,339 27,113 1,467 461 24,177 22,598 46,775 90 437 49,230 76,343 2,971 756 6,819 1,714 393 3,152 5,259 12,078 64,265 76,343 20,836  |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net Investment: equity method Other assets - Noncurrent Total noncurrent assets Total assets Short-term debt Accounts payable Payables to related parties Accrued liabilities Current portion of LT debt Other liabilities - Current Total current liabilities Long-term debt Long-term operating lease liabilities Other liabilities - Noncurrent Total noncurrent liabilities Total liabilities and stockholders' equity Net Cash   | 1023A 3,825 2,114 5,939 4,040 4,235 2 1,442 15,658 1,500 447 24,177 23,291 47,468 84 2,477 51,976 67,634 2,518 353 3,167 539 6,577 2,467 381 3,515 6,363 12,940 54,694 67,634         | 2023A 3,841 2,444 6,285 4,312 4,567 2 1,339 16,505 1,541 461 24,177 22,598 46,775 90 2,595 51,462 67,967 - 2,779 313 2,971 753 756 7,572 1,714 393 3,152 5,259 12,831 55,136 67,967       | 12,248 1,690 1,532 2 1,339 16,811 1,534 461 24,177 22,598 46,775 90 437 49,297 66,108 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 54,030 66,108          | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987<br>-<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,719<br>1,719<br>3,152<br>5,259<br>12,078<br>54,909<br>66,987    | 1024E  13,733 1,690 1,532 2 1,339 18,295 1,519 461 24,177 22,598 46,757  49,282 67,577  756 6,819 1,714 393 3,152 5,259 12,078 55,499 67,577  | 14,613 1,690 1,532 2 1,339 19,176 1,511 461 24,177 22,598 46,775 90 437 49,274 68,451 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 56,373 68,451   | 15,780 1,690 1,532 2 1,339 20,343 1,504 461 24,177 22,598 46,775 90 437 49,267 69,610 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 57,532 69,610   | 17,150<br>1,690<br>1,592<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,260<br>70,972<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152<br>5,259<br>12,078<br>58,894<br>70,972             |    | 2022A 4,835 4,835 5,855 4,126 3,771 2 1,265 15,019 1,513 460 24,177 24,118 48,295 83 2,210 52,561 67,580 2,493 463 3,077 336 6,369 2,467 3,96 3,598 6,461 12,830 54,750 67,580   | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987<br>-<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,719<br>33<br>3,152<br>5,259<br>12,078<br>54,909<br>66,987 | 2024E   | 2025E  22,550 1,690 1,532 2 1,339 27,113 1,467 461 24,177 22,598 46,775 90 437 49,230 76,343 2,971 756 6,819 1,714 393 3,152 5,259 12,078 64,265 76,343   |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net Investment: equity method Other assets - Noncurrent Total noncurrent assets Short-term debt Accounts payable Payables to related parties Accrued liabilities Current portion of LT debt Other liabilities - Current Total current flabilities Long-term operating lease liabilities Other liabilities - Noncurrent Total inoncurrent liabilities Total liabilities and stockholders' equity Total liabilities and stockholders' equity Net Cash Cash Flow- GAAP Net cash provided by (used in): | 1023A 3,825 2,114 5,939 4,040 4,235 2 1,442 15,658 1,500 447 24,177 23,291 47,468 84 2,477 51,976 67,634 2,518 353 3,167 539 6,577 2,467 381 3,515 6,363 12,940 54,694 67,634 3,472   | 2023A 3,841 2,444 6,285 4,312 4,567 2 1,339 16,505 1,541 461 24,177 22,598 46,775 90 2,595 51,462 67,967 - 2,779 313 2,971 753 756 7,572 1,714 393 3,152 5,259 12,831 55,136 67,967 3,818 | 12,248 1,690 1,532 2 1,339 16,811 1,534 461 24,177 22,598 46,775 90 437 49,297 66,108 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 54,030 66,108 10,534   | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987<br>1,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152<br>5,259<br>12,078<br>54,909<br>66,987<br>11,421 | 1024E  13,733 1,690 1,532 2 1,339 18,295 1,519 461 24,177 22,598 46,757 90 437 49,282 67,577 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 25,499 67,577 12,019  | 2024E  14,613 1,690 1,532 2 1,339 19,176 1,511 461 24,177 22,598 46,757 90 437 49,274 68,451 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 26,451 12,899  | 15,780<br>1,690<br>1,532<br>2<br>1,339<br>20,343<br>1,504<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,267<br>69,610<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152<br>5,259<br>12,078<br>57,532<br>69,610<br>14,066 | 17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,260<br>70,972<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152<br>5,259<br>12,078<br>58,894<br>70,972<br>15,436   |    | 2022A 4,835 4,835 5,855 4,126 3,771 2 1,265 15,019 1,513 460 24,177 24,118 48,295 83 2,210 52,561 67,580 2,493 463 3,077 336 6,369 2,467 396 3,598 6,461 12,830 54,750 67,580 3,388  | 2028E  | 2024E   | 2025E  22,550 1,690 1,532 2 1,339 27,113 1,467 461 24,177 22,598 46,775 90 437 49,230 76,343 2,971 756 6,819 1,714 393 3,152 5,259 12,078 64,265 76,343 20,836  |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net Investment: equity method Other assets - Noncurrent Total noncurrent assets Short-term debt Accounts payable Payables to related parties Accrued liabilities Current portion of LT debt Other liabilities - Current Total current flabilities Long-term debt Long-term operating lease liabilities Other liabilities - Noncurrent Total noncurrent liabilities Total liabilities and stockholders' equity Net Cash Flow-GAAP Net cash provided by (used in): Operating activities                                 | 1023A 3,825 2,114 5,939 4,040 4,235 2 1,442 15,658 1,500 447 24,177 23,291 47,468 84 2,477 51,976 67,634 533 3,167 539 6,577 2,467 381 3,515 6,363 12,940 54,694 67,634 3,472         | 2023A 3,841 2,444 6,285 4,312 4,567 2 1,339 16,505 1,541 461 24,177 22,598 46,775 90 2,595 51,462 67,967 - 2,779 313 2,971 753 756 7,572 1,714 393 3,152 5,259 12,831 55,136 67,967 3,818 | 12,248 1,690 1,532 2 1,339 16,811 1,534 461 24,177 22,598 46,775 90 437 49,297 66,108 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 54,030 66,108 10,534 | 13,135 1,690 1,532 2 1,339 17,698 1,526 461 24,177 22,598 46,775 90 437 49,289 66,987 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 54,909 66,987 11,421 4Q23E  | 1024E  13,733 1,630 1,532 2 1,339 18,295 1,519 461 24,177 22,598 46,775 90 437 49,282 67,577 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 55,499 67,577 12,019  | 2Q24E  14,613 1,690 1,532 2 1,339 19,776 1,511 461 24,177 22,598 46,775 90 437 49,274 49,274 49,274 68,451 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 56,373 68,451 12,899                   | 15,780 1,690 1,532 2 1,339 20,433 1,504 461 24,177 22,598 46,775 90 437 49,267 69,610 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 57,532 69,610 14,066 3024E  | 17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>43,77<br>49,260<br>70,972<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152<br>5,259<br>12,078<br>58,894<br>70,972<br>15,436 |    | 2022A<br>4,835<br>5,855<br>4,126<br>3,771<br>2<br>1,265<br>15,019<br>1,513<br>460<br>24,177<br>24,118<br>48,295<br>83<br>2,210<br>52,561<br>67,580<br>2,493<br>3,077<br>336<br>6,369<br>2,467<br>396<br>3,598<br>6,461<br>12,830<br>54,750<br>67,580<br>67,580<br>3,598<br>6,461<br>12,830<br>54,750<br>67,580<br>3,388<br>2022A | 2023E  13,135 1,690 1,532 2 1,339 17,698 1,526 461 24,177 22,598 46,775 90 437 49,289 66,987 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 54,909 66,987 11,421 2023E   | 2024E   | 2025E  22,550 1,690 1,532 2 1,339 27,113 1,467 461 24,177 22,598 46,775 90 437 49,230 76,343 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 64,265 76,343 20,836                              |
| Cash and cash equivalents Marketable securities Cash and short term investments Accounts receivable Inventories, net Prepayment and receivables - related parties Prepaid expenses and other current assets Total current assets Property, plant and equipment, net Operating lease right-of-use assets Goodwill Acquisition related intangible assets,net Intangibles, net Investment: equity method Other assets - Noncurrent Total noncurrent assets Short-term debt Accounts payable Payables to related parties Accrued liabilities Current portion of LT debt Other liabilities - Current Total current flabilities Long-term operating lease liabilities Other liabilities - Noncurrent Total inoncurrent liabilities Total liabilities and stockholders' equity Total liabilities and stockholders' equity Net Cash Cash Flow- GAAP Net cash provided by (used in): | 1023A 3,825 2,114 5,939 4,040 4,235 2 1,442 15,658 1,500 447 24,177 23,291 47,468 84 2,477 51,976 67,634 2,518 353 3,167 539 6,577 2,467 381 3,515 6,363 12,940 54,694 67,634 3,472   | 2023A 3,841 2,444 6,285 4,312 4,567 2 1,339 16,505 1,541 461 24,177 22,598 46,775 90 2,595 51,462 67,967 - 2,779 313 2,971 753 756 7,572 1,714 393 3,152 5,259 12,831 55,136 67,967 3,818 | 12,248 1,690 1,532 2 1,339 16,811 1,534 461 24,177 22,598 46,775 90 437 49,297 66,108 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 54,030 66,108 10,534   | 13,135<br>1,690<br>1,532<br>2<br>1,339<br>17,698<br>1,526<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,289<br>66,987<br>1,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152<br>5,259<br>12,078<br>54,909<br>66,987<br>11,421 | 1024E  13,733 1,690 1,532 2 1,339 18,295 1,519 461 24,177 22,598 46,757 90 437 49,282 67,577 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 25,499 67,577 12,019  | 2024E  14,613 1,690 1,532 2 1,339 19,176 1,511 461 24,177 22,598 46,757 90 437 49,274 68,451 - 2,779 313 2,971 756 6,819 1,714 393 3,152 5,259 12,078 26,451 12,899  | 15,780<br>1,690<br>1,532<br>2<br>1,339<br>20,343<br>1,504<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,267<br>69,610<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152<br>5,259<br>12,078<br>57,532<br>69,610<br>14,066 | 17,150<br>1,690<br>1,532<br>2<br>1,339<br>21,713<br>1,497<br>461<br>24,177<br>22,598<br>46,775<br>90<br>437<br>49,260<br>70,972<br>2,779<br>313<br>2,971<br>756<br>6,819<br>1,714<br>393<br>3,152<br>5,259<br>12,078<br>58,894<br>70,972<br>15,436   |    | 2022A 4,835 4,835 5,855 4,126 3,771 2 1,265 15,019 1,513 460 24,177 24,118 48,295 83 2,210 52,561 67,580 2,493 463 3,077 336 6,369 2,467 396 3,598 6,461 12,830 54,750 67,580 3,388  | 2028E  | 2024E   | 2025E  22,550 1,690 1,532 2 1,339 27,113 1,467 461 24,177 22,598 46,775 90 437 49,230 76,343 2,971 756 6,819 1,714 393 3,152 5,259 12,078 64,265 76,343 20,836  |

Source: Thomson Reuters, company reports, and Wedbush Securities Inc., estimates



|  | WEDB   |          |           |             |            |          |          | WEDE     | B EPS EST |         |           | WEDB F    | REV EST \$M |          |        | WE      | DB P/E |       |       | WEDB  | EV/SALES |       |
|--|--------|----------|-----------|-------------|------------|----------|----------|----------|-----------|---------|-----------|-----------|-------------|----------|--------|---------|--------|-------|-------|-------|----------|-------|
| TICKER COMPANY NAME                            | RATING | PRICE\$  | WEDB TP\$ | UP/DNSIDE % | MKT CAP\$B | EV\$B    | 2023E    | 2024E    | 2025E     | 2026E   | 2023E     | 2024E     | 2025E       | 2026E    | 2023E  | 2024E   | 2025E  | 2026E | 2023E | 2024E | 2025E    | 2026E |
| 2330 Taiwan Semiconductor Manufacturing Co Ltd | 0      | \$544.00 | \$700.00  | 29%         | 14,107.0   | 13,520.1 | \$31.71  | \$37.68  | \$47.50   | -       | 2,150,920 | 2,604,200 | 3,065,490   | -        | 16.4x  | 13.8x   | 11.0x  | -     | 6.3x  | 5.2x  | 4.4x     | -     |
| AMD Advanced Micro Devices Inc                 | 0      | \$101.67 | \$155.00  | 52%         | 161.6      | 157.8    | \$2.70   | \$4.25   | \$5.13    | -       | \$22,609  | \$26,916  | \$29,637    | -        | 36.8x  | 23.4x   | 19.4x  | -     | 7.1x  | 6.0x  | 5.4x     | -     |
| AXTI AXT Inc                                   | 0      | \$2.21   | \$6.00    | 171%        | 0.1        | 0.2      | (\$0.38) | (\$0.01) | \$0.40    | -       | \$76      | \$106     | \$137       | -        | -6.3x  | -240.2x | 6.0x   | -     | 1.4x  | 1.0x  | 0.8x     | -     |
| DBD Diebold Nixdorf Inc                        | N      | \$18.95  | \$20.00   | 6%          | 0.7        | 1.8      | \$1.36   | \$4.02   | -         | -       | \$3,787   | \$3,857   | -           | -        | 24.2x  | 8.2x    | -      | -     | 0.7x  | 0.7x  | -        | -     |
| GFS Globalfoundries Inc                        | 0      | \$54.39  | \$70.00   | 29%         | 29.8       | 29.8     | \$2.19   | \$3.39   | -         | -       | \$7,501   | \$8,766   | -           | -        | 24.8x  | 16.0x   | -      | -     | 4.0x  | 3.4x  | -        | -     |
| INTC Intel Corp                                | N      | \$34.59  | \$35.00   | 1%          | 141.8      | 170.0    | \$0.65   | \$1.95   | \$2.96    | -       | \$52,935  | \$61,425  | \$68,647    | -        | 62.3x  | 20.8x   | 13.7x  | -     | 3.2x  | 2.8x  | 2.5x     | -     |
| MU Micron Technology Inc                       | 0      | \$68.07  | \$80.00   | 18%         | 73.4       | 77.2     | (\$4.45) | (\$0.86) | \$11.44   | -       | \$15,540  | \$20,886  | \$37,891    | -        | -16.1x | -83.1x  | 6.2x   | -     | 5.1x  | 3.8x  | 2.1x     | -     |
| NTAP NetApp Inc                                | N      | \$73.84  | \$75.00   | 2%          | 15.3       | 14.7     | \$5.59   | \$5.73   | \$6.16    | -       | \$6,362   | \$6,145   | \$6,385     | -        | 12.7x  | 12.4x   | 11.5x  | -     | 2.3x  | 2.4x  | 2.3x     | -     |
| NVDA NVIDIA Corp                               | 0      | \$436.63 | \$600.00  | 37%         | 1061.5     | 1055.2   | \$3.33   | \$10.62  | \$15.04   | \$17.14 | \$26,974  | \$53,580  | \$74,195    | \$88,950 | 130.4x | 40.9x   | 28.9x  | 25.3x | 39.7x | 20.0x | 14.4x    | 12.0x |
| PSTG Pure Storage Inc                          | 0      | \$33.97  | \$45.00   | 32%         | 10.4       | 9.3      | \$1.42   | \$1.45   | \$1.80    | -       | \$2,753   | \$2,973   | \$3,522     | -        | 21.4x  | 21.0x   | 16.9x  | -     | 3.4x  | 3.2x  | 2.7x     | -     |
| SIMO Silicon Motion Technology Corp            | 0      | \$54.50  | \$85.00   | 56%         | 1.8        | 1.6      | \$1.94   | \$4.37   | \$5.30    | -       | \$606     | \$778     | \$828       | -        | 24.2x  | 10.7x   | 8.9x   | -     | 2.6x  | 2.0x  | 1.9x     | -     |
| SMCI Super Micro Computer Inc                  | N      | \$262.62 | \$250.00  | -5%         | 13.5       | 13.3     | \$11.82  | \$16.08  | \$18.61   | -       | \$7,123   | \$10,011  | \$12,176    | -        | 22.0x  | 16.2x   | 14.0x  | -     | 1.9x  | 1.4x  | 1.1x     | -     |
| STX Seagate Technology Holdings PLC            | N      | \$68.10  | \$60.00   | -12%        | 13.6       | 18.2     | \$0.19   | \$0.39   | \$4.61    | -       | \$7,359   | \$7,024   | \$9,128     | -        | 477.0x | 232.4x  | 19.7x  | -     | 2.5x  | 2.7x  | 2.1x     | -     |
| 2303 United Microelectronics Corp              | 0      | \$48.30  | \$57.00   | 18%         | 603.9      | 489.2    | \$4.61   | \$5.11   | -         | -       | \$228,461 | \$279,977 | -           | -        | 8.5x   | 7.6x    | -      | -     | 2.1x  | 1.7x  | -        | -     |
| WDC Western Digital Corp                       | 0      | \$42.96  | \$60.00   | 40%         | 13.6       | 19.5     | (\$1.86) | (\$2.85) | \$10.40   | -       | \$12,318  | \$12,629  | \$20,313    | -        | -31.5x | -20.6x  | 5.6x   | -     | 1.5x  | 1.5x  | 0.9x     | -     |
|  | MEAN   |          |           |             |            |          |          | MEAN     | I EPS EST |         |           | MEAN I    | REV EST \$M |          |        | ME      | AN P/E |       |       | MEAN  | EV/SALE  | s     |

|       |   | MEAN |          |           |             |            |          |          | MEAN     | I EPS EST |         |             | MEAN R      | EV EST \$M  |             |        | MEA    | AN P/E |       |       | MEAN  | EV/SALES |       |
|-------|---|------|----------|-----------|-------------|------------|----------|----------|----------|-----------|---------|-------------|-------------|-------------|-------------|--------|--------|--------|-------|-------|-------|----------|-------|
| TICKE | R COMPANY NAME                            | REC  | PRICE\$  | MEAN TP\$ | UP/DNSIDE % | MKT CAP\$B | EV\$B    | 2023E    | 2024E    | 2025E     | 2026E   | 2023E       | 2024E       | 2025E       | 2026E       | 2023E  | 2024E  | 2025E  | 2026E | 2023E | 2024E | 2025E    | 2026E |
| 2330  | Taiwan Semiconductor Manufacturing Co Ltd | 0    | \$544.00 | \$657.98  | 21%         | 14,107.0   | 13,520.1 | \$31.62  | \$37.28  | \$45.82   | \$45.08 | \$2,150,107 | \$2,603,793 | \$3,090,640 | \$3,247,000 | 16.5x  | 14.0x  | 11.4x  | 11.5x | 6.3x  | 5.2x  | 4.4x     | 4.2x  |
| AMD   | Advanced Micro Devices Inc                | 0    | \$101.67 | \$136.90  | 35%         | 161.6      | 157.8    | \$2.76   | \$4.17   | \$5.34    | \$6.73  | \$22,784    | \$27,530    | \$32,153    | \$35,256    | 35.9x  | 23.8x  | 18.6x  | 14.8x | 7.0x  | 5.8x  | 5.0x     | 4.5x  |
| AXTI  | AXT Inc                                   | N    | \$2.21   | \$4.46    | 102%        | 0.1        | 0.2      | (\$0.45) | (\$0.12) | \$0.32    | -       | \$76        | \$99        | \$137       | -           | -5.3x  | -20.0x | 7.5x   | -     | 1.4x  | 1.1x  | 0.8x     | -     |
| DBD   | Diebold Nixdorf Inc                       | N    | \$18.95  | \$22.50   | 19%         | 0.7        | 1.8      | \$1.16   | \$3.81   | -         | -       | \$3,768     | \$3,855     | -           | -           | 28.4x  | 8.7x   | -      | -     | 0.7x  | 0.7x  | -        | -     |
| GFS   | Globalfoundries Inc                       | 0    | \$54.39  | \$71.64   | 32%         | 29.8       | 29.8     | \$2.08   | \$2.70   | \$3.37    | -       | \$7,422     | \$8,239     | \$9,090     | -           | 26.1x  | 20.1x  | 16.1x  | -     | 4.0x  | 3.6x  | 3.3x     | -     |
| INTC  | Intel Corp                                | N    | \$34.59  | \$35.62   | 3%          | 141.8      | 170.0    | \$0.62   | \$1.72   | \$2.42    | \$3.39  | \$52,473    | \$58,747    | \$63,969    | \$70,081    | 64.9x  | 23.5x  | 16.8x  | 11.9x | 3.2x  | 2.9x  | 2.7x     | 2.4x  |
| MU    | Micron Technology Inc                     | N    | \$68.07  | \$78.49   | 15%         | 73.4       | 77.2     | (\$4.45) | (\$1.63) | \$5.35    | \$7.75  | \$15,540    | \$20,916    | \$30,425    | \$33,174    | -16.1x | -44.0x | 13.4x  | 9.2x  | 5.0x  | 3.8x  | 2.6x     | 2.4x  |
| NTAP  | NetApp Inc                                | N    | \$73.84  | \$80.90   | 10%         | 15.3       | 14.7     | \$5.59   | \$5.73   | \$6.16    | \$6.82  | \$6,362     | \$6,143     | \$6,413     | \$6,808     | 12.7x  | 12.4x  | 11.5x  | 10.4x | 2.3x  | 2.4x  | 2.3x     | 2.2x  |
| NVDA  | NVIDIA Corp                               | 0    | \$436.63 | \$630.06  | 44%         | 1061.5     | 1055.2   | \$3.34   | \$10.84  | \$17.14   | \$20.08 | \$26,974    | \$54,850    | \$82,829    | \$97,056    | 130.0x | 40.1x  | 25.3x  | 21.6x | 39.7x | 19.5x | 12.9x    | 11.0x |
| PSTG  | Pure Storage Inc                          | 0    | \$33.97  | \$44.00   | 30%         | 10.4       | 9.3      | \$1.41   | \$1.40   | \$1.67    | \$1.46  | \$2,753     | \$2,959     | \$3,405     | \$3,837     | 21.5x  | 21.7x  | 18.2x  | 20.8x | 3.4x  | 3.2x  | 2.8x     | 2.5x  |
| SIMO  | Silicon Motion Technology Corp            | N    | \$54.50  | \$76.00   | 39%         | 1.8        | 1.6      | \$1.97   | \$3.71   | \$5.05    | -       | \$611       | \$747       | \$871       | -           | 23.9x  | 12.6x  | 9.3x   | -     | 2.5x  | 2.1x  | 1.8x     | -     |
| SMCI  | Super Micro Computer Inc                  | N    | \$262.62 | \$354.33  | 35%         | 13.5       | 13.3     | \$11.81  | \$16.97  | \$18.58   | -       | \$7,123     | \$10,100    | \$11,362    | \$13,675    | 22.0x  | 15.3x  | 14.0x  | -     | 1.9x  | 1.4x  | 1.2x     | 1.0x  |
| STX   | Seagate Technology Holdings PLC           | N    | \$68.10  | \$64.00   | -6%         | 13.6       | 18.2     | \$0.19   | \$0.63   | \$4.27    | \$5.39  | \$7,384     | \$6,678     | \$8,478     | \$8,940     | 477.0x | 143.7x | 21.2x  | 16.8x | 2.5x  | 2.8x  | 2.2x     | 2.1x  |
| 2303  | United Microelectronics Corp              | N    | \$48.30  | \$53.31   | 10%         | 603.9      | 489.2    | \$4.58   | \$4.67   | \$5.26    | \$5.00  | \$222,985   | \$253,035   | \$288,904   | \$324,375   | 8.5x   | 8.4x   | 7.4x   | 7.8x  | 2.2x  | 1.9x  | 1.7x     | 1.5x  |
| WDC   | Western Digital Corp                      | N    | \$42.96  | \$47.84   | 11%         | 13.6       | 19.5     | (\$3.59) | (\$4.12) | \$3.48    | \$5.89  | \$12,318    | \$12,094    | \$16,056    | \$19,156    | -16.3x | -14.2x | 16.9x  | 10.0x | 1.5x  | 1.6x  | 1.2x     | 1.0x  |

Source: Thomson Reuters & Wedbush Securities, Inc. estimates; Priced: 10/24/2023

\* All numbers for 2330.TW and 2303.TW in NT\$

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- 2330 We arrive at our target price by applying a PE multiple of ~14X to our FY2025 EPS estimate (plus net cash).
- We arrive at our target price by applying a PE multiple of ~30X to our FY2025 EPS estimate (plus net cash).
- We arrive at our target price by applying a PE multiple of ~15X to our FY2025 EPS estimate (plus net cash). We arrive at our target price by applying a PE multiple of ~10X to our FY2024 EPS estimate (plus net debt). DBD
- GFS We arrive at our target price by applying a PE multiple of ~20X to our FY2024 EPS estimate (plus net cash).
- We arrive at our target price by applying a multiple of ~13X to our FY2025 (net debt) outlook.
- We arrive at our target price by applying a PE multiple of ~7X to our FY2025 (plus net debt) outlook.
- We arrive at our target price by applying a PE multiple of ~12X to our FY2025 estimates and adding net cash.
- NVDA We arrive at our target price by applying a PE multiple of ~35X to our FY2026 EPS estimate (plus net cash).
- We arrive at our target price by applying a PE multiple of ~23X to our FY2025 estimates (plus net cash).
- We arrive at our target price by applying a PE multiple of ~12X to our FY2025 estimates + current net cash + assumed damages at least equal to the prior MXL termination fee
- We arrive at our target price by applying a PE multiple of ~13X to our FY2025 EPS (net debt).
- We arrive at our target price by applying a PE multiple of ~18X to our FY2025 estimate (plus net debt).
- We arrive at our target price based on a multiple of ~8X PE using our FY2024 EPS estimate (net cash).
- We arrive at our target price by applying a PE multiple of ~7X to our FY2025 estimate (plus net debt). WDC

- Economic deterioration and demand destruction related to the pandemic, changes to US Policy, sovereignty risk to Taiwan, risk to the supply chain, and technology risk. 2330
- AMD misexecutes, customers choose other vendors, competition increases (e.g., pricing, design), TSMC is constrained (production), the economy deteriorates.
- Demand for AXTI products fall; Tongmei fails to IPO; China/US trade risk; market share loss.
  - DBD works through (fails to work through) constrained liquidity needs, satisfies (fails to satisfy) debt service, demand for DBD's products rises (fails).
- Economic deterioration and demand destruction related to the pandemic, changes to government policy, risk to the supply chain, and technology risk.
- Upside risk: INTC executes on stated initiatives, competition misexecutes, tailwinds continue to boost revenues and GM. Downside risk: misexecution, recovery elongates
- $MU\ mise xecutes, future\ acquisitions\ dilute\ value,\ Chinese\ vendors\ successfully\ enter\ NAND\ or\ DRAM\ markets,\ US/China\ trade\ war.$
- Upside risks: Successful product innovation (software), competitor missteps and accelerated TAM growth. Downside risks: Cloud cannibalization, normalized enterprise spend, increasing competition and missexecution.
- NVDA DC weakens; Al driven demand softens; gaming demand softens, misexecution, customers reduce spending, competition gains share, US/China tensions increase.
- Downside risks: Cloud cannibalization, normalization/decline in enterprise spend, increasing competition and misexecution.
- MXL could successfully terminate its proposed acquisition of SIMO without compensating SIMO, misexecution.
- SMCI SMCI out executes/innovates (misexecutes/fails to innovate) vs. peers, demand increases (decreases).
- Upside risk: STX executes on stated initiatives and particularly HAMR, pricing increases, demand increases. Downside risks: misexecutes, pricing declines, demand decreases, US/China tensions increase.
- Economic deterioration and demand destruction related to the pandemic, changes to US Policy, sovereignty risk to Taiwan, risk to the supply chain, and technology risk.
- WDC misexecutes, customers choose other vendors, competition increases (e.g., pricing, design), the economy deteriorates.



## Risks to the Attainment of Our Price Targets and Ratings: Hardware

Shifts in competition, pricing, technology, and macroeconomic conditions.

Changes in hyperscale spending tied to shifts in growth or increased optimization.

Unforeseen events affecting production capacity (power outages, fires, storms, etc.)

Shifts in worldwide trade conditions that lead to macro instability and or close certain markets.

Increased competition from China based manufacturers entering new markets.

## **Analyst Certification**

I, Matt Bryson, certifies that the views expressed in this report accurately reflect my personal opinion and that I have not and will not, directly or indirectly, receive compensation or other payments in connection with my specific recommendations or views contained in this report.

## **Mentioned Companies**

| Company                    | Rating     | Price    | Target   |
|----------------------------|------------|----------|----------|
| Advanced Micro Devices Inc | OUTPERFORM | \$117.60 | \$155.00 |
| Intel Corp                 | NEUTRAL    | \$35.69  | \$35.00  |

# **Investment Rating System:**

OUTPERFORM: Expect the total return of the stock to outperform relative to the median total return of the analyst's (or the analyst's team) coverage universe over the next 6-12 months.

NEUTRAL: Expect the total return of the stock to perform in-line with the median total return of the analyst's (or the analyst's team) coverage universe over the next 6-12 months.

UNDERPERFORM: Expect the total return of the stock to underperform relative to the median total return of the analyst's (or the analyst's team) coverage universe of the next 6-12 months.

The Investment Ratings are based on the expected performance of a stock (based on anticipated total return to price target) relative to the other stocks in the analyst's coverage universe (or the analyst's team coverage).\*

| Rating distribution (as of October 25, 2023) | Investment Banking Relationships (as of October 25, 2023) |
|--|---|
| OUTPERFORM: 60.75%                           | OUTPERFORM: 4.23%   |
| NEUTRAL: 37.38%                              | NEUTRAL: 1.25%  |
| UNDERPERFORM: 1.87%                          | UNDERPERFORM: 0.00%                                       |

The Distribution of Ratings is required by FINRA rules; however, WS' stock ratings of Outperform, Neutral, and Underperform most closely conform to Buy, Hold, and Sell, respectively. Please note, however, the definitions are not the same as WS' stock ratings are on a relative basis.

The analysts responsible for preparing research reports do not receive compensation based on specific investment banking activity. The analysts receive compensation that is based upon various factors including WS' total revenues, a portion of which are generated by WS' investment banking activities.

### **Company Specific Disclosures**

This information is subject to change at any time.

1. WS makes a market in the securities of Advanced Micro Devices Inc and Intel Corp.



#### **Price Charts**

### Advanced Micro Devices Inc Rating History as of 10-23-2023



Outperform (OP); Neutral (N); Underperform (UP); Not Rated (NR)

### Intel Corp Rating History as of 10-23-2023



Outperform (OP); Neutral (N); Underperform (UP); Not Rated (NR)

Wedbush disclosure price charts are updated within the first fifteen days of each new calendar quarter per FINRA regulations. Price charts for companies initiated upon in the current quarter, and rating and target price changes occurring in the current quarter, will not be displayed until the following quarter. Additional information on recommended securities is available on request.

Disclosure information regarding historical ratings and price targets is available: Research Disclosures

\*WS changed its rating system from (Strong Buy/ Buy/ Hold/ Sell) to (Outperform/ Neutral/ Underperform) on July 14, 2009.

Applicable disclosure information is also available upon request by contacting the Research Department at (212) 833-1375, by email to leslie.lippai@wedbush.com. You may also submit a written request to the following: Wedbush Securities, Attn: Research Department, 142 W 57th Street, New York, NY 10019.

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