

Western Digital (WDC)

\$40.47 (As of 03/24/20)

Price Target (6-12 Months): **\$48.00**

Long Term: 6-12 Months

Zacks Recommendation: Outperform

(Since: 02/13/20)

Prior Recommendation: Neutral

Short Term: 1-3 Months

Zacks Rank: (1-5)

2-Buy

Zacks Style Scores:

VGM:C

Value: A

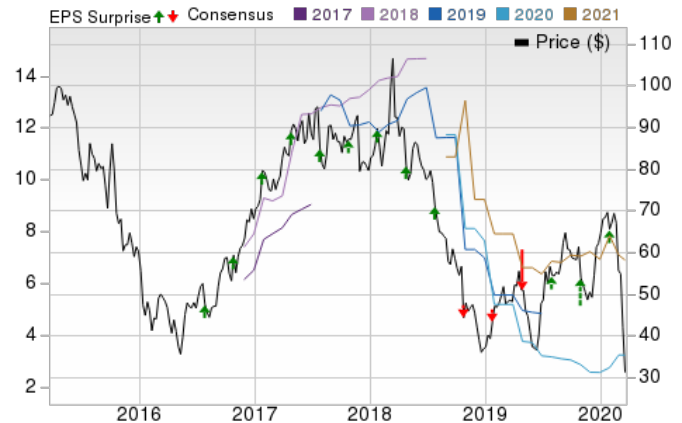
Growth: F

Momentum: D

Summary

Western Digital expected to gain from improving demand for higher capacity enterprise drives and enterprise Solid State Drive (SSD). This is likely to bolster revenues from the Data center devices and solutions segment, which holds promise. Further, incremental adoption of new additions to data center storage portfolio and other product rollouts is a tailwind. Particularly, growing clout of 20 terabyte (TB) Ultrastar Hard Disk Drive (HDD) and 18TB Ultrastar HDD, remains noteworthy. Moreover, improving trend in PC shipments is a positive. Markedly, coronavirus crisis in China is likely to aid the company, as it is expected to create a constrained near-term NAND supply, consequently favoring its financial performance. Notably, shares of Western Digital have outperformed the industry in the past year.

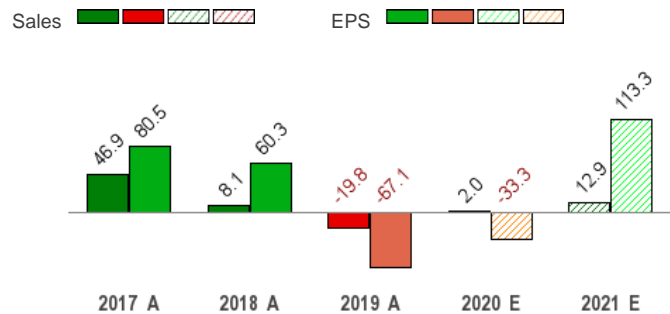
Price, Consensus & Surprise



Data Overview

52 Week High-Low	\$72.00 - \$27.40
20 Day Average Volume (sh)	7,628,544
Market Cap	\$12.1 B
YTD Price Change	-36.2%
Beta	1.81
Dividend / Div Yld	\$2.00 / 4.9%
Industry	Computer- Storage Devices
Zacks Industry Rank	Top 7% (18 out of 254)

Sales and EPS Growth Rates (Y/Y %)



Last EPS Surprise	10.7%
Last Sales Surprise	0.5%
EPS F1 Est- 4 week change	-0.3%
Expected Report Date	05/04/2020
Earnings ESP	0.0%
P/E TTM	31.1
P/E F1	12.5
PEG F1	6.3
P/S TTM	0.8

Sales Estimates (millions of \$)

	Q1	Q2	Q3	Q4	Annual*
2021	4,685 E	4,885 E	4,708 E	4,808 E	19,084 E
2020	4,040 A	4,234 A	4,245 E	4,388 E	16,905 E
2019	5,028 A	4,233 A	3,674 A	3,634 A	16,569 A

EPS Estimates

	Q1	Q2	Q3	Q4	Annual*
2021	\$1.40 E	\$1.71 E	\$1.66 E	\$1.82 E	\$6.89 E
2020	\$0.34 A	\$0.62 A	\$0.97 E	\$1.31 E	\$3.23 E
2019	\$3.04 A	\$1.45 A	\$0.17 A	\$0.17 A	\$4.84 A

*Quarterly figures may not add up to annual.

The data in the charts and tables, including the Zacks Consensus EPS and Sales estimates, is as of 03/24/2020. The reports text is as of 03/25/2020.

Overview

Western Digital Corporation (WDC), headquartered in Irvine, CA, is one of the largest hard disk drive (HDD) producers in the U.S. The company designs, develops, manufactures and markets a broad range of HDDs used in desktop PCs, servers, network-attached storage devices, video game consoles, digital video recorders and a host of other consumer electronic devices.

The acquisition of SanDisk enabled the company to venture into the flash drive storage technology space.

Western Digital sells hard drives of 3.5-inch and 2.5-inch form factors with storage capacities ranging from 30 gigabytes (GB) to 6 terabytes (TB).

The company's solid-state drives (SSDs) include 2.5-inch, mSATA, MO-297 and CompactFlash form factors, with storage capacities ranging from 128 megabytes (MB) to 400 GB.

The company also provides WD software applications, such as WD Photos and WD 2GO to the mobile computing market. The company's solutions are compatible with Apple's iOS, Google's Android and Microsoft's Windows Platforms.

The company markets its products and solutions through original equipment manufacturers (OEMs), distributors and retailers.

On Sep 19, 2019, Western Digital inked a deal with DDN, a supplier of big data storage worldwide, to divest its IntelliFlash business in a bid to optimize Data Center Systems portfolio. Per the deal, both the companies have agreed on a multi-year strategic partnership wherein DDN will buy Western Digital's HDD and SSD storage devices.

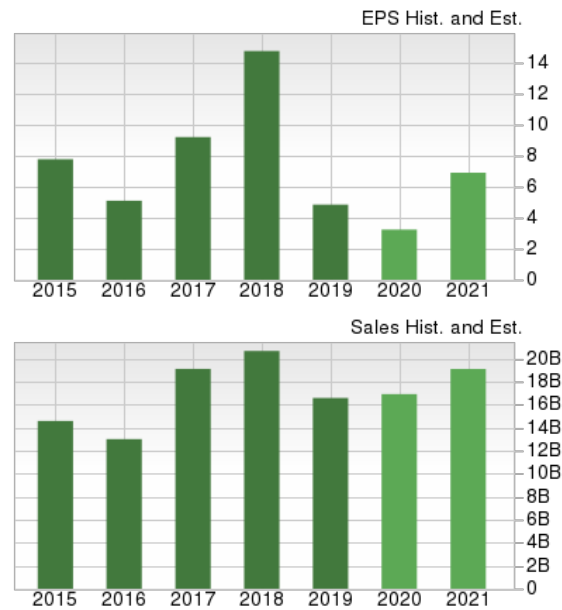
Western Digital mainly competes with companies like Intel, Micron, Samsung Electronics Co. Ltd., Seagate Technology and Toshiba Corporation.

The company competes with other hard drive manufacturers with offerings in the desktop, notebook, enterprise computer, consumer electronic devices and external storage markets.

Western Digital reported revenues of \$16.57 billion in the fiscal 2019.

Geographically, Americas, Asia, and Europe and Middle East and Africa (EMEA), contributed 26%, 19% and 55%, respectively to fiscal 2019 revenues.

During fiscal 2019, about 45% of total revenue came from its top 10 customers.



Reasons To Buy:

▲ Western Digital has been active on the acquisition front. The Amplidata, sTec, Inc., Velobit, Inc. Arkeia Software Solutions and Virident Systems Inc. acquisitions have not only strengthened its small-to-medium sized business solutions but also expanded its SSD product portfolio. These strategic takeovers are expected to provide the company with a competitive edge. The acquisition of SanDisk has opened new avenues of growth for Western Digital and will help it boost market traction in the newer storage technology – SSD. The merger will lead to economies of scale, lower costs, greater market reach and acquisitions of new technologies, among other synergies. The company will also be able to offer competitive solutions in cloud-based computing, which has taken over digital storage solution space over the past couple of years. Notably, after completing the SanDisk acquisition, Western Digital posted year-over-year revenue growth for the first time in the past seven quarters.

The shift toward non-PC applications, secular growth of digital data and growing exposure to the SMBs space are expected to aid Western Digital in improving financial performance.

▲ With the acquisition of SanDisk, Western Digital has forayed into NAND products. NAND flash chips are critical for portable electronic devices. The improving prices for NAND chips make us optimistic about the company's near-term performance. As per various sources, NAND prices have improved primarily due to a better product mix optimization and stronger-than-expected demand for PCs, servers and mobiles. This can be further substantiated by the fact that HP, during its latest earnings conference, has hinted that there may be a shortage of DRAM and Flash memory chips. Any shortage in supply will push prices up, thereby boosting Western Digital's near-term results. Furthermore, the company is expected to benefit from strong demand for NAND flash memory chips, which is used in smartphones and tablets. Driven by new tablet products and greater adoption of solid state drive (SSD), total demand in the NAND flash memory industry could surpass manufacturing capacity, leading to a periodic shortage and higher pricing in the near term.

▲ Prominent storage players, like Western Digital have been expanding into the SSD storage market due to the decline in the PC market. SSDs are faster and more energy efficient than traditional hard drives. They also occupy less space making them more suitable for mobile computing devices. The emergence of thinner laptops and tablets over the past few years has created an ideal market for SSDs, which are therefore entering the higher end of the market. SSDs are also being used in servers due to the reduction in latency, which in turn facilitates faster response to real-time applications. E-Commerce and financial enterprises need quicker response time and thus data centers serving these clients are opting for SSDs. The secular growth of digital data, modest growth in the TAM and higher demand for storage will remain the growth catalysts for storage in general and especially for SSDs. This is what led TechNavio to project enterprise SSD market to grow at a CAGR of 17% during 2016–2020. The SSD segment's growth potential is a major positive for Western Digital because this could offset the losses stemming from the secular decline in the PC market, which does not necessarily use SSDs.

▲ The company is expected to get good mileage from its cloud-based business. Cloud-based storage has become the order of the day. Consumers are increasingly using software like Google Drive, Microsoft Skydrive, Dropbox and iCloud, which provide the convenience of accessing content through different gadgets such as smartphones, tablets and personal computers. The access to content on multiple devices is possible because the data is stored in the cloud. This in turn is pressuring the cloud servers, resulting in a growing need to make them more efficient. For this purpose, Western Digital is developing drives filled with helium that consume 23% less power while increasing the storage capacity by 40%. The company has expanded its My Cloud solutions with My Cloud EX4, a broader portfolio of network attached storage (NAS) hard drives. My Cloud EX4 enables users to manage huge volumes of digital data, which in turn helps them to store, organize and secure photos, videos, music and important documents from computers and mobile devices. My Cloud EX4 will help the company meet growing business needs with improved flexibility and security, and can be accessed through iOS and Android operating systems allowing users to access their files via smartphones or tablets. Given the massive increase in cloud activity, the company is expected to find a number of takers for these products.

▲ PCs remain the biggest users of HDDs and Western Digital still derives the bulk of its revenues from these devices. Per Gartner's preliminary data, PC shipments in the fourth quarter of 2019 inched up 2.3% year over year to 70.6 million units. Going by the IDC report, shipment rose 4.8% on a year-over-year basis and totaled 71.8 million in the period under review. An improving trend in PC shipments favors business prospects of Western Digital, which continues to depend substantially on PC sales.

Risks

- Customer concentration is a major risk for Western Digital. During fiscal 2019, about 45% of total revenue came from its top 10 customers compared with 42% in fiscal 2018. The high level of customer concentration in a market with a few buyers and very low switching costs means that it is relatively easy to lose a customer. Moreover, the loss of a single order or customer affects the operating performance significantly. Therefore, the company is always under pressure to improve and maintain customer relations.
 - Western Digital faces stiff competition from Seagate, Hitachi, Samsung and Intel in the storage market and from SSD pureplays such as SanDisk and Micron. The competition has resulted in a decline in the average selling price (ASP). Any decline in ASP will impact the results if shipments do not improve considerably.
 - In addition, ballooning debt levels have been troubling Western Digital over time. At the end of second-quarter fiscal 2020, net debt amounted to \$6.849 billion, compared with \$6.96 billion reported in the previous quarter.
 - The disk drive market is highly competitive and has experienced drastic pricing pressure due to supply/demand volatility. In the near future, hard disk companies might be exposed to pressures as customers such as tablet PC makers choose flash cards for storage purposes instead of the customary hard disks. The situation may compel companies to cut hard disk prices, which may in turn hurt margins.
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Last Earnings Report

Western Digital Q2 Earnings Top, Revenues Lag Estimates

Western Digital Corporation reported second-quarter fiscal 2020 non-GAAP earnings of 62 cents per share, which beat the Zacks Consensus Estimate by 10.7%. However, the figure declined 57.2% year over year.

Revenues of \$4.234 billion remained flat year over year.

Uncertain macroeconomic environment and softness in NAND flash pricing trends impacted year-over-year results.

Quarter Ending **12/2019**

Report Date	Jan 30, 2020
Sales Surprise	0.49%
EPS Surprise	10.71%
Quarterly EPS	0.62
Annual EPS (TTM)	1.30

Segment Revenue Details

Client devices (42.4% of total revenues) declined 18.8% year over year to \$1.797 billion due to decrease in total addressable market (TAM) for notebook and desktop hard drives. However, the figure was up 11% sequentially due to increased demand for client Solid State Drive (SSD), Smart Video, Mobility and desktop hard drives.

Management noted that decline in revenues from Client Hard Disk Drive (HDD) and softness in flash pricing hurt the segment results.

Notably, Western Digital's SanDisk launched Smart Photo Manager, ibi capable of 1TB of storage for \$129.99 in the to-be reported quarter.

Additionally, Western Digital announced shipping of high-capacity HDD samples to enterprise OEMs and hyperscale customers worldwide. These include 20TB Ultrastar DC HC650 SMR HDDs and 18TB Ultrastar DC HC550 CMR HDDs.

Client solutions (22.4%) remained flat year over year at \$948 million. However, the figure increased 6% sequentially driven by strength in demand for hard drives and external SSDs.

Notably, the company continues to bear the brunt of unfavorable NAND flash pricing, which is currently on the decline thanks to oversupply and weaker-than-expected growth in end-market demand.

Data center devices and solutions (35.2%) jumped 38.6% year over year to \$1.489 billion, driven by rising demand witnessed for capacity enterprise drives and enterprise SSD. However, the figure was down 3% sequentially due to the company's exit from storage system business.

Other Metrics

The company shipped 29.2 million HDDs at an average selling price (ASP) of \$81. The reported shipments were lower than the year-ago figure by 3.3%.

On quarter-over-quarter basis, HDD Exabytes sales declined 1%. Flash exabytes sales increased 24%. Total exabytes sales (excluding non-memory products) improved 1% sequentially.

Considering revenues by product group, HDD revenues (56.6% of total revenues) increased 16.3% from the year-ago quarter to \$2.396 billion. Flash revenues (43.4%) fell 15.4% from the year-ago quarter to \$1.838 billion.

ASP/Gigabytes (excluding non-memory products) was down 8% sequentially.

Margins

Non-GAAP gross margin of 25.9% contracted 540 basis points (bps) on a year-over-year basis, while it expanded 110 bps sequentially.

The year-over-year decline can be attributed to softness in Flash pricing, which more than offset improvement in HDD gross margin. Notably, non-GAAP Flash gross margin was down to 19.5% from 35.1% reported in the year-ago quarter. Meanwhile, non-GAAP HDD gross margin expanded 340 bps year over year to 30.8%.

Non-GAAP operating expenses increased 3.7% from the year-ago quarter to \$765 million. Management remains focused on undertaking strict spending measures.

Non-GAAP operating income came in at \$333 million, which decreased 43.5% year over year. As a percentage of revenues, non-GAAP operating margin of 7.9% contracted 600 bps on a year-over-year basis.

Balance Sheet & Cash Flow

As of Dec 31, 2019, cash and cash equivalents were \$3.137 billion, down from \$3.248 billion reported at the end of the previous quarter.

Total debt (including current portion) was \$9.986 billion as of Dec 31, down from \$10.21 billion as of Oct 4, having repaid debt of \$388 million in the second quarter.

Western Digital generated \$257 million in cash from operations compared with \$253 million reported in the previous quarter.

Free cash flow came in at \$377 million compared with \$294 million in the prior quarter.

During the quarter, the company paid out dividends worth \$149 million.

On Nov 14, Western Digital's board of directors approved a cash dividend of 50 cents per share that was paid out on Jan 21.

Guidance

For third-quarter fiscal 2020, revenues are expected to be in the range of \$4.1-\$4.3 billion.

Non-GAAP gross margin is anticipated in the range of 28.5-29.5%.

Non-GAAP operating expenses are expected between \$740 million and \$760 million. Interest and other expenses are estimated between \$80 million and \$85 million.

Management projects non-GAAP earnings between 85 cents and \$1.05 per share.

From the Flash industry perspective, Western Digital revised estimates for bit supply growth at around low to 30% range in calendar 2020.

Recent News

On **Mar 17, 2020**, it was announced that Quantum Corp. concluded the acquisition of Western Digital's ActiveScale business.

On **Mar 5, 2020**, Western Digital announced appointment of David Goeckeler as Chief Executive Officer and a member of the company's Board of Directors, effective Mar 9, 2020.

On **Feb 13, 2020**, Western Digital announced quarterly cash dividend of 50 cents per share, payable on Apr 17, 2020 to shareholders on record as on Apr 3, 2020.

On **Feb 3, 2020**, Western Digital announced a deal to divest ActiveScale business to Quantum Corp. The transaction is expected to conclude by Mar 31, 2020. Financial terms of the agreement have been kept under wraps.

On **Jan 30, 2020**, Western Digital unveiled its fifth-generation 3D NAND technology, BiCS5 built on triple-level-cell (TLC) and quad-level-cell (QLC) technologies. The company commenced initial production of BiCS5 TLC in a 512-gigabit (Gb) chip.

On **Jan 6, 2020**, Western Digital announced that it will unveil new product innovations in its storage solutions at CES 2020. The company will also demonstrate high capacity, sleek and portable SSD prototype.

On **Dec 20, 2019**, Western Digital announced that it has begun shipping high-capacity HDD samples to enterprise OEMs and hyperscale customers worldwide. They include 20TB Ultrastar DC HC650 SMR HDDs and 18TB Ultrastar DC HC550 CMR HDDs.

Valuation

Western Digital shares are down 34.5% in the past six-month period and 14% over the trailing 12-month period. Stocks in the Zacks sub-industry and the Zacks Computer & Technology sector are down 28.8% and 8.1% in the past six-month period, respectively. Over the past year, the Zacks sub-industry and sector are down 29.3% and 5.1%, respectively.

The S&P 500 index is down 17.3% in the past six-month period and 13.8% in the past year.

The stock is currently trading at 8.69X forward 12-month earnings, which compares to 9.75X for the Zacks sub-industry, 17.92X for the Zacks sector and 14.72X for the S&P 500 index.

Over the past five years, the stock has traded as high as 30.07X and as low as 3.89X, with a 5-year median of 9.97X. Our Outperform recommendation indicates that the stock will perform better than the market. Our \$48 price target reflects 10.31X forward 12-month earnings.

The table below shows summary valuation data for WDC

Valuation Multiples - WDC					
		Stock	Sub-Industry	Sector	S&P 500
P/E F12M	Current	8.69	9.75	17.92	14.72
	5-Year High	30.07	16.12	22.02	19.34
	5-Year Low	3.89	9.68	16.85	14.72
	5-Year Median	9.97	12.15	19.30	17.42
P/S F12M	Current	0.65	1.17	2.92	2.65
	5-Year High	1.55	1.43	3.58	3.43
	5-Year Low	0.47	0.82	2.3	2.54
	5-Year Median	1.07	1.14	3.02	3
EV/EBITDA TTM	Current	8.75	8.71	9.97	9.07
	5-Year High	12.98	12.83	12.92	12.88
	5-Year Low	1.8	2.77	7.59	8.27
	5-Year Median	5	5.46	10.6	10.78

As of 03/24/2020

Industry Analysis Zacks Industry Rank: Top 7% (18 out of 254)



Top Peers

Intel Corporation (INTC)	Outperform
Qumu Corporation (QUMU)	Outperform
Seagate Technology PLC (STX)	Outperform
Micron Technology, Inc. (MU)	Neutral
Netlist, Inc. (NLST)	Neutral
NetApp, Inc. (NTAP)	Neutral
Pure Storage, Inc. (PSTG)	Neutral
Teradata Corporation (TDC)	Neutral

Industry Comparison Industry: Computer- Storage Devices				Industry Peers		
	WDC Outperform	X Industry	S&P 500	MU Neutral	NTAP Neutral	STX Outperform
VGM Score	C	-	-	C	A	B
Market Cap	12.10 B	666.20 M	17.21 B	47.95 B	8.47 B	11.34 B
# of Analysts	7	6.5	13	8	8	7
Dividend Yield	4.94%	0.00%	2.52%	0.00%	5.02%	5.98%
Value Score	A	-	-	B	A	A
Cash/Price	0.34	0.35	0.07	0.19	0.38	0.16
EV/EBITDA	9.11	1.11	10.28	3.64	4.51	6.43
PEG Ratio	6.26	2.08	1.56	1.82	0.77	7.09
Price/Book (P/B)	1.28	2.96	2.27	1.31	30.02	6.24
Price/Cash Flow (P/CF)	3.99	9.53	9.16	3.81	7.63	6.10
P/E (F1)	12.53	10.84	13.51	18.71	9.15	8.58
Price/Sales (P/S)	0.78	1.14	1.74	2.32	1.51	1.14
Earnings Yield	7.98%	6.98%	7.33%	5.34%	10.92%	11.64%
Debt/Equity	1.02	0.12	0.70	0.16	4.06	2.26
Cash Flow (\$/share)	10.15	0.10	7.01	11.36	5.02	7.12
Growth Score	F	-	-	F	C	C
Hist. EPS Growth (3-5 yrs)	-19.53%	-4.75%	10.85%	68.56%	26.08%	10.03%
Proj. EPS Growth (F1/F0)	-33.20%	6.03%	3.92%	-63.58%	-7.47%	5.07%
Curr. Cash Flow Growth	-53.72%	-20.90%	5.93%	-35.35%	21.12%	-13.19%
Hist. Cash Flow Growth (3-5 yrs)	-1.49%	2.60%	8.55%	15.84%	2.57%	-6.14%
Current Ratio	1.92	1.47	1.23	2.56	1.20	1.54
Debt/Capital	50.44%	28.17%	42.57%	13.70%	80.25%	69.32%
Net Margin	-7.66%	-2.58%	11.64%	17.01%	18.19%	17.03%
Return on Equity	1.01%	1.01%	16.74%	11.36%	123.49%	58.19%
Sales/Assets	0.59	0.90	0.54	0.43	0.71	1.13
Proj. Sales Growth (F1/F0)	2.03%	0.00%	2.57%	-13.85%	-10.66%	1.76%
Momentum Score	D	-	-	B	B	B
Daily Price Chg	17.75%	7.43%	11.24%	13.12%	8.29%	6.57%
1 Week Price Chg	-25.75%	-13.97%	-16.96%	-16.00%	-11.18%	-16.76%
4 Week Price Chg	-32.02%	-21.85%	-26.70%	-16.95%	-21.56%	-13.80%
12 Week Price Chg	-36.24%	-26.25%	-30.27%	-19.54%	-38.51%	-26.96%
52 Week Price Chg	-14.04%	-33.20%	-21.88%	7.32%	-43.40%	-7.94%
20 Day Average Volume	7,628,544	498,562	4,249,353	35,210,584	3,519,276	4,126,807
(F1) EPS Est 1 week change	-2.64%	0.00%	-0.11%	0.00%	0.00%	0.00%
(F1) EPS Est 4 week change	-0.28%	-0.14%	-1.58%	-1.23%	-0.41%	0.00%
(F1) EPS Est 12 week change	42.68%	0.85%	-2.61%	1.61%	-2.61%	4.31%
(Q1) EPS Est Mthly Chg	0.00%	-1.12%	-1.24%	-3.85%	-1.12%	-1.17%

Zacks Style Scores

The Zacks Style Score is as a complementary indicator to the Zacks rating system, giving investors a way to focus on the highest rated stocks that best fit their own stock picking preferences.

Academic research has proven that stocks with the best Value, Growth and Momentum characteristics outperform the market. The Zacks Style Scores rate stocks on each of these individual styles and assigns a rating of A, B, C, D and F. We also produce the VGM Score (V for Value, G for Growth and M for Momentum), which combines the weighted average of the individual Style Scores into one score. This is perfectly suited for those who want their stocks to have the best scores across the board.

Value Score	A
Growth Score	F
Momentum Score	D
VGM Score	C

As an investor, you want to buy stocks with the highest probability of success. That means buying stocks with a Zacks Recommendation of Outperform, which also has a Style Score of an A or a B.

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