

GameStop Corp. (GME)

\$13.90 (As of 11/23/20)

Price Target (6-12 Months): **\$15.00**

Long Term: 6-12 Months

Zacks Recommendation:

Neutral

(Since: 03/15/20)

Prior Recommendation: Underperform

Short Term: 1-3 Months

Zacks Rank: (1-5)

3-Hold

Zacks Style Scores:

VGM:F

Value: D

Growth: C

Momentum: F

Summary

Shares of GameStop have increased and outpaced the industry in the past three months. The stock surged following the company's strategic partnership with Microsoft. The deal will not only allow GameStop to rev up its retail technology infrastructure but will also facilitate in boosting its physical and digital video game offerings. The company is on track to augment technology and data analytics capabilities, and boost presence in the gaming industry. Notably, the company's e-commerce operations have been growing. However, the top-line continued to struggle, falling 26.7% during second-quarter fiscal 2020. Limited availability of hardware and accessories along with temporary store closures adversely impacted the top-line performance. Management anticipates the company's top-line performance to remain soft in the third quarter.

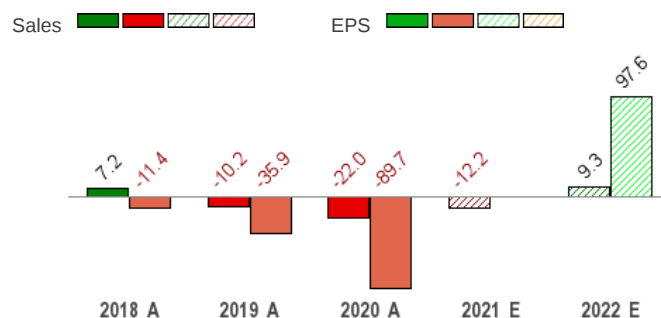
Price, Consensus & Surprise



Data Overview

52-Week High-Low	\$15.87 - \$2.57
20-Day Average Volume (Shares)	6,516,233
Market Cap	\$905.8 M
Year-To-Date Price Change	128.6%
Beta	1.03
Dividend / Dividend Yield	\$0.00 / 0.0%
Industry	Retail - Consumer Electronics
Zacks Industry Rank	Top 20% (50 out of 254)

Sales and EPS Growth Rates (Y/Y %)



Last EPS Surprise	-10.2%
Last Sales Surprise	0.5%
EPS F1 Estimate 4-Week Change	0.1%
Expected Report Date	12/08/2020
Earnings ESP	-40.2%

Sales Estimates (millions of \$)

	Q1	Q2	Q3	Q4	Annual*
2022	1,276 E	1,192 E	1,259 E	2,478 E	6,205 E
2021	1,021 A	942 A	1,113 E	2,600 E	5,676 E
2020	1,548 A	1,286 A	1,439 A	2,194 A	6,466 A

EPS Estimates

	Q1	Q2	Q3	Q4	Annual*
2022	-\$0.56 E	-\$0.65 E	-\$0.19 E	\$1.89 E	-\$0.05 E
2021	-\$1.61 A	-\$1.40 A	-\$0.81 E	\$1.84 E	-\$2.12 E
2020	\$0.07 A	-\$0.32 A	-\$0.49 A	\$1.27 A	\$0.22 A

*Quarterly figures may not add up to annual.

P/E TTM	NA
P/E F1	NA
PEG F1	NA
P/S TTM	0.2

The data in the charts and tables, including the Zacks Consensus EPS and Sales estimates, is as of 11/23/2020. The reports text is as of 11/24/2020.

Overview

Headquartered in Grapevine, TX, GameStop Corp. is the world's largest video game retailer. The company offers the best selection of new and pre-owned video gaming consoles, accessories and video game titles, in both physical and digital formats. The company's unique buy-sell-trade program allows customers to trade in video game consoles, games, and accessories, as well as other electronics for cash or in-store credit. Through all its channels, the company sells various types of digital products, including downloadable content, network points cards, prepaid digital, prepaid subscription cards and digitally downloadable software as well as collectible products.

The company also publishes Game Informer, the world's largest print and digital video game publication featuring reviews of new title releases, game tips and news regarding current developments in the video game industry. It also operates PowerUp Rewards program.

The company operates business in four geographic segments: United States, Canada, Australia and Europe. The company operates more than 5,000 stores across 10 countries.

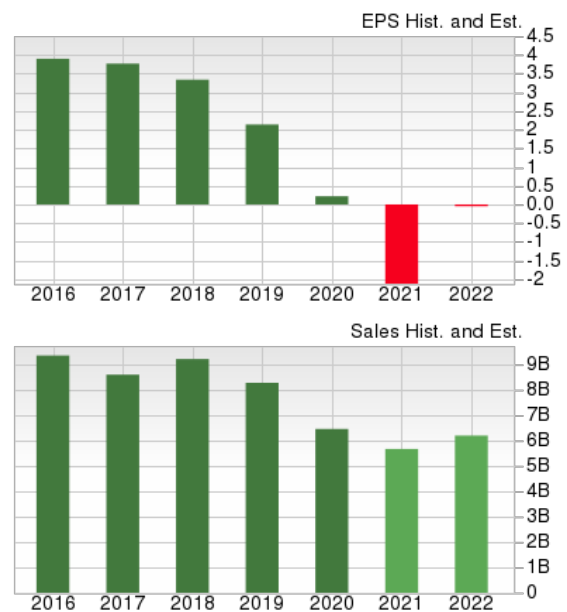
Categorization of Products

Hardware and Accessories (42.1% of FY19 Sales): GameStop offers new and pre-owned video game platforms from the major console and PC manufacturers. The current generation of consoles include the Sony PlayStation 4 (2013), Microsoft Xbox One (2013) and the Nintendo Switch (2017). Accessories consist primarily of controllers, gaming headsets, virtual reality products and memory cards.

Software (46.5% of Sales): The company provides new and pre-owned video game software for current and certain prior generation consoles. It also sells a wide variety of in-game digital currency and digital downloadable content.

Collectibles (11.4% of Sales): The category consists of licensed merchandise, primarily related to the video game, television and movie industries and pop-culture themes, which are sold through the company's video game store and e-commerce properties, and ThinkGeek and Zing Pop Culture stores.

As per the company's filing on Aug 31, RC Ventures, an investment firm managed by Ryan Cohen, acquired a 9.6% stake with about 6,215,326 shares.



Source: Zacks Investment Research

Reasons To Buy:

▲ **Stock Gains Momentum:** Shares of GameStop have skyrocketed 179.1% in the past three months, comfortably outpacing the industry's gain of 7.1%. The stock got a boost following the company's multi-year strategic deal with Microsoft. In order to provide customers with enhanced digital solutions, GameStop will utilize Microsoft's cloud solutions and hardware products to upgrade its business operations. Earlier, the news of RC Ventures, an activist investment firm managed by Ryan Cohen, co-founder of online pet-supply retailer, Chewy, acquiring a stake in the company push the stock higher. Per GameStop's filing on Aug 31, the RC Ventures has a 9.6% stake in the company with about 6,215,326 shares. In recent developments, RC Ventures is reportedly aiming to deepen its involvement with GameStop and is carrying out talks with the company's management in this respect. The move is likely to boost GameStop's e-commerce capabilities.

GameStop has been undertaking cost containment efforts, optimizing inventory, focusing on high-margin product categories, rationalizing store base and lowering debt.

▲ **Multi-Year Deal With Microsoft:** With a vision to become the ultimate destination for video game products, expand reach and connection to the global gamer community and leverage operational efficiencies throughout its omni-channel platform, GameStop entered into a multi-year strategic partnership with Microsoft Corporation. The deal will not only allow GameStop to rev up its retail technology infrastructure but will also facilitate in boosting its physical and digital video game offerings. The company will adopt Microsoft's cloud-based business applications and customer data platform, Dynamics 365, to augment its back-end and in-store solutions. Moreover, GameStop's store associates will be empowered with Microsoft Surface devices that will allow them to better interact with customers and effectively meet their demands. Additionally, the company informed that the rollout of Microsoft 365, a line of subscription services and Microsoft Teams, a chat-based collaboration platform will equip GameStop's more than 30,000 store employees with enhanced productivity and collaboration tools. The company has expanded its Xbox family of product offerings to include Xbox All Access, which provides an Xbox console and 24 months of Xbox Game Pass Ultimate to players with no upfront cost. Notably, both GameStop and Microsoft will gain from the customer acquisition.

▲ **Strategic Endeavors:** GameStop is undertaking strategic endeavors to bring the company back on track. These involve cost containment efforts, optimization of inventory, focusing on high margin product categories such as PC gaming accessories, private label and collectibles, and rationalization of store base worldwide with plans to close about 400-450 stores globally in fiscal 2020. The company has been focusing on augmenting store experience, expanding and redesigning PowerUp Rewards loyalty program, enhancing digital capabilities and improving engagement with vendors and partners. Apart from these, the company is on track with technology upgrades for consoles and other products.

▲ **Online Sales Gaining Traction:** GameStop has been gaining from continued rise in e-commerce. Notably, the company's e-commerce sales skyrocketed 800% during second-quarter fiscal 2020. This followed an increase of 519% in the first quarter. Total e-commerce sales represent more than 20% of total net sales in the second quarter. Management notified that enhanced fulfillment capabilities helped recapture about 73% of sales through stores open for limited curbside pickup during the quarter under review. Notably, 90% of all buy online pick up in-store orders were fulfilled within 24 hours. In addition to curbside delivery, the company witnessed advancements in buy online pick in store, ship from store and web in-store capabilities. The company plans to continue expanding its same-day delivery capabilities. It is also on track with enhancing online payment options, including private label credit card, buy now pay later options, and also leasing options for high value items. With a wide array of payment options, it will be easier for customers to purchase high-end next generation consoles. Further, management highlighted that it will be soon launching its redesigned mobile application, which is likely to help in better customer engagement. Going ahead, management expects e-commerce business to cross the \$1 billion milestone by fiscal 2020.

▲ **Focusing on Profitable Zones:** Management plans to shift focus from underperforming areas to those with high-profit potential. In sync with this, the company is on track with making improvements in the physical video game retail business model. It is also on track with exploring opportunities in the digital arena. Further, the company plans to augment technology and data analytics capabilities. It also announced a series of strategic partnerships to boost presence in the gaming industry and widen customer reach. In sync with this, the company has undertaken partnerships with Complexity Gaming, Infinite eSports as well as Entertainment and Envy Gaming among several others. The company is exiting loss-incurring businesses and closing underperforming stores, as part of its de-densification strategy. This included the wind down of underperforming operations in the Nordics region (Denmark, Finland, Norway and Sweden) in July, 2020. Earlier on, as part of the company's comprehensive review process, it concluded the sale of Spring Mobile business on Jan 16, 2019. Moreover, the company completed the divestiture of Simply Mac to Cool Holdings in September 2019.

▲ **Financial Flexibility:** GameStop ended second-quarter fiscal 2020 with cash and cash equivalents of \$735.1 million, portraying an increase of 28.9% on a sequential basis. During the quarter, the company generated \$192.8 million in cash flow from operations and \$181.9 million in free cash flow. Additionally, the company concluded the sale of its corporate jet and completed a sale leaseback transaction for three of out of five buildings being offered. These efforts aided boosting the company's liquidity by \$51.8 million, of which \$43.2 million was related to the sale leaseback. Also, the company paid down \$100 million worth borrowing under its revolving credit facility. As a result, outstanding borrowings under its asset-based revolving credit facility stood at \$35 million, as of Aug 1, 2020. Moreover, on July 2, the company completed an exchange offer and consent solicitation for the remaining unsecured notes due to mature in March 2021. The company exchanged 52% of the notes. The newly issued notes, worth nearly \$216 million, will provide additional financial flexibility by replacing and extending the maturity to 2023. In respect of the roughly \$198 million remaining of the 2021 notes, the company anticipates redeeming those bonds in the coming months, before the maturity date.

Reasons To Sell:

▼ **Dismal Top-Line Performance:** GameStop has been grappling with dismal top-line performance for quite some time now. During the second quarter of fiscal 2020, net sales declined 26.7% on a year-over-year basis. The impact of operating during the last few months of the seven-year-long current generation console cycle and the subsequent limited availability of hardware and accessories was visible in the company's top-line performance. Management also informed that owing to the temporary closure of stores, total operating days fell approximately 13% year over year. Furthermore, as part of the de-densification initiative, there were 10% fewer stores versus the year-ago quarter. At the end of the quarter, GameStop operated 5,122 stores globally, which is 602 fewer stores compared with the prior year. By sales mix, hardware and accessories sales declined 20.4% to \$441.6 million, while software sales fell 30.8% to \$386.5 million and collectibles sales declined 34% to \$113.9 million.

GameStop continues with soft comps run in the second quarter of fiscal 2020. Management cautioned that sales trends are likely to remain sluggish in the third quarter.

Management cautioned that top-line performance is likely to remain choppy in the third quarter. In this context, the company informed that August sales trends were consistent with second-quarter performance. Moreover, the shift of several key software titles from the third to the fourth quarter is likely to pressure the top-line in September and October.

▼ **Soft Comps Run:** The company continued with soft comparable store sales run during the second quarter of fiscal 2020. Comparable store sales in the said quarter fell 12.7%, adjusting for fewer operating days on account of store closures owing to the ongoing pandemic. This followed a decline of 17% and 26.1% % in the preceding two quarters. The company continues to witness temporary headwind related to lower current generation console hardware and software sales. This is due to customers delaying console purchases in anticipation of new launches expected in the later part of 2020 and in 2021.

▼ **Contraction in Margin:** Margin remains an important financial metric to determine the health of the company. Gross profit fell 36.8% year over year to \$252.2 million during the second quarter of fiscal 2020. Again, gross margin contracted 420 basis points to 26.8% owing to the increased mix of hardware sales, which carry a lower gross margin. In spite of a decline of 24.3% in adjusted SG&A expenses during the quarter, the metric, as a percentage of net sales, deleveraged 120 basis points to 35.8%. The company reported adjusted operating loss of \$84.7 million, which was wider than the adjusted operating loss of \$45.8 million in the year-ago period.

▼ **Stiff Competition:** The video game industry is highly competitive, and video game shoppers now have many alternatives to buy software, hardware, and game accessories for video game systems and personal computers. Retail bigwigs such as Wal-Mart, Target and Best Buy have also entered the video game market. These larger retailers could dent GameStop's sales and margins. Moreover, consumers can only download a limited number of PC entertainment software and older generation video games from the Internet. However, with the advancement of technology, if the consumers' accessibility increases, they may no longer prefer to buy PC entertainment software and video games through the company's retail stores.

▼ **Dip in Consumer Sentiment May Impact Sales:** Any dip in consumer confidence – a key determinant of the economy's health – may have serious bearing on spending. The company's customers remain sensitive to macroeconomic factors including interest rate hikes, increase in fuel and energy costs, credit availability, unemployment levels, and high household debt levels, which may negatively impact their sentiment. For now, the novel coronavirus has wreaked havoc. The retail sector, in particular, remains under pressure. Again, job losses as well as lower disposable income due to this catastrophe are making things worse. Consumers are avoiding discretionary spending and focusing on necessities for the time being.

Last Earnings Report

GameStop Q2 Loss Wider Than Expected, Sales Decline

GameStop reported dismal second-quarter fiscal 2020 results, on account of the coronavirus outbreak that compelled the company to close its stores on a temporary basis. The videogame retailer reported wider-than-expected loss and continued to grapple with soft top-line performance. Comparable store sales results were also disappointing.

Nonetheless, management highlighted that it remains focused on strengthening balance sheet, prioritizing allocation of resources to areas that generate solid cash flow, lowering expenses, optimizing inventory, and creating and expanding digital ecosystem. GameStop registered an outstanding increase in global e-commerce sales and a significant reduction in SG&A expenses during the quarter. Also, it saw an improvement in cash position at quarter-end.

Quarter Ending	07/2020
Report Date	Sep 09, 2020
Sales Surprise	0.48%
EPS Surprise	-10.24%
Quarterly EPS	-1.40
Annual EPS (TTM)	-2.23

Q2 Performance

It is quite obvious that GameStop bore the brunt of temporary store closures that were undertaken to check the spread of COVID-19. The company posted adjusted loss of \$1.40 per share, wider than the Zacks Consensus Estimate of loss of \$1.27 and a loss of 32 cents reported in the year-ago period. Lower net sales hurt the company's bottom line.

Net sales of \$942 million surpassed the Zacks Consensus Estimate of \$938 million but declined 26.7% on a year-over-year basis. The impact of operating during the last few months of the seven-year-long current generation console cycle and the subsequent limited availability of hardware and accessories was visible in the company's top-line performance. Management also informed that owing to the temporary closure of stores, total operating days fell approximately 13% year over year. Furthermore, as part of the de-densification initiative, there were 10% fewer stores versus the year-ago quarter. However, the company informed that about 40% of closed store sales were recaptured through the transfer to neighboring locations and online.

At the end of the quarter, GameStop operated 5,122 stores globally, which is 602 fewer stores compared with the prior year. The company remains track to close roughly 400-450 stores globally this fiscal year. At the end of August 2020, the company had substantially all of its worldwide locations open to limited customer access or curbside delivery.

Comparable store sales fell 12.7%, adjusting for fewer operating days on account of store closures owing to the ongoing pandemic.

Notably, the company's e-commerce business remained sturdy with sales up 800% during the quarter under review. This followed an increase of 519% in the preceding quarter. Total e-commerce sales represent more than 20% of total net sales during the quarter under review. Management notified that enhanced fulfillment capabilities helped recapture about 73% of sales through stores open for limited curbside pickup during the quarter under review. Notably, 90% of all buy online pick up in-store orders were fulfilled within 24 hours.

By sales mix, hardware and accessories sales declined 20.4% to \$441.6 million. While software sales fell 30.8% to \$386.5 million, collectibles sales decreased 34% to \$113.9 million.

Moving on, gross profit fell 36.8% year over year to \$252.2 million. Again, gross margin contracted 420 basis points to 26.8% owing to the increased mix of hardware sales, which carry a lower gross margin.

Adjusted SG&A expenses declined 24.3% to \$336.9 million in the reported quarter. However, as a percentage of net sales, the metric deleveraged 120 basis points to 35.8%. The company reported adjusted operating loss of \$84.7 million wider than the adjusted operating loss of \$45.8 million in the year-ago period.

Other Financial Aspects

GameStop ended the quarter with cash and cash equivalents of \$735.1 million, short-term debt of \$221.3 million, long-term debt of \$215.9 million and stockholders' equity of \$352.3 million. As of Aug 1, 2020, the company reduced borrowings under its asset based revolving credit facility by \$100 million to \$35 million.

Accounts payable were down 30.4% to \$256.4 million compared with second-quarter fiscal 2019. The company ended the quarter with total inventory of \$474.6 million, down 50%.

During the quarter, the company generated \$192.8 million in cash flow from operations and \$181.9 million in free cash flow. The company incurred capital expenditures of \$10.9 million during the quarter. Management anticipates capital expenditures of roughly \$55-\$60 million during the fiscal year.

Recent News

GameStop Offers Black Friday Deals – Nov 20, 2020

GameStop revealed more about its exciting Black Friday deals, which the company had earlier mentioned on Nov 9. The offers cover a range of video game hardware, software, PC gaming equipments as well as other electronic items and pop culture collectibles. The deals will be available on the company's website and mobile app from Nov 25 onward. Moreover, the deals will be featured across more than 3,300 GameStop's U.S. store locations from Nov 27 till Nov 29.

GameStop Unveils Black Friday Deals – Nov 9, 2020

GameStop announced its 2020 Black Friday sales ad (www.gamestop.com/blackfriday), revealing its holiday deals on the hottest video games, consoles, accessories, and pop culture collectibles items such as board games, statues, pop vinyl figures and apparel items. The Black Friday sale offers will be available on www.gamestop.com and through the GameStop mobile app on Nov. 25.

Valuation

GameStop shares are up 128.7% in the year-to-date period and nearly 130.5% over the trailing 12-month period. Stocks in the Zacks sub-industry and the Zacks Retail-Wholesale sector are up 14.3% and 35.1%, respectively, in the year-to-date period. Over the past year, the Zacks sub-industry and the sector are up 27.7% and 39.6%, respectively.

The S&P 500 index is up 10.8% in the year-to-date period and 13.9% in the past year.

The stock is currently trading at 0.15X forward 12-month sales, which compares to 0.55X for the Zacks sub-industry, 1.29X for the Zacks sector and 4.16X for the S&P 500 index.

Over the past five years, the stock has traded as high as 0.4X and as low as 0.03X, with a 5-year median of 0.18X. Our Neutral recommendation indicates that the stock will perform in-line with the market. Our \$15 price target reflects 0.16X forward 12-month sales.

The table below shows summary valuation data for GME

Valuation Multiples - GME					
		Stock	Sub-Industry	Sector	S&P 500
P/S F12M	Current	0.15	0.55	1.29	4.16
	5-Year High	0.4	0.55	1.33	4.3
	5-Year Low	0.03	0.21	0.84	3.17
	5-Year Median	0.18	0.3	1.01	3.67
P/B TTM	Current	2.57	9.49	5.25	6.04
	5-Year High	2.76	9.67	6.48	6.17
	5-Year Low	0.3	1.69	3.7	3.74
	5-Year Median	0.84	3.41	5.09	4.91
EV/EBITDA TTM	Current	5.48	7.08	18.8	15.83
	5-Year High	6.42	7.62	20.77	16.17
	5-Year Low	NA	2.83	11.17	9.54
	5-Year Median	3.25	4.44	13.07	13.11

As of 11/23/2020

Source: Zacks Investment Research

Industry Analysis Zacks Industry Rank: Top 20% (50 out of 254)



Top Peers

Company (Ticker)	Rec	Rank
Aarons, Inc. (AAN)	Outperform	2
Conns, Inc. (CONN)	Outperform	2
Systemax Inc. (SYX)	Outperform	1
Target Corporation (TGT)	Outperform	2
Best Buy Co., Inc. (BBY)	Neutral	3
Big Lots, Inc. (BIG)	Neutral	3
Costco Wholesale Corporation (COST)	Neutral	3
Vivint Smart Home, Inc. (VVNT)	Neutral	4

The positions listed should not be deemed a recommendation to buy, hold or sell.

Industry Comparison Industry: Retail - Consumer Electronics				Industry Peers		
	GME	X Industry	S&P 500	AAN	CONN	SYX
Zacks Recommendation (Long Term)	Neutral	-	-	Outperform	Outperform	Outperform
Zacks Rank (Short Term)	3	-	-	2	2	1
VGM Score	F	-	-	A	A	A
Market Cap	905.75 M	905.75 M	25.83 B	4.36 B	330.68 M	1.16 B
# of Analysts	5	3	14	6	3	1
Dividend Yield	0.00%	0.00%	1.49%	0.28%	0.00%	1.80%
Value Score	D	-	-	A	A	C
Cash/Price	0.89	0.24	0.07	0.11	0.24	0.07
EV/EBITDA	-1.32	9.87	14.64	1.91	4.86	15.43
PEG F1	NA	1.77	2.76	0.80	NA	NA
P/B	2.56	2.39	3.55	2.66	0.64	6.91
P/CF	7.95	12.94	13.80	1.84	2.44	21.53
P/E F1	NA	17.43	21.67	12.86	NA	18.26
P/S TTM	0.16	0.73	2.79	1.04	0.22	1.19
Earnings Yield	-15.25%	-6.52%	4.40%	7.77%	-6.52%	5.48%
Debt/Equity	0.61	0.17	0.70	0.17	1.44	0.00
Cash Flow (\$/share)	1.75	1.18	6.92	35.14	4.65	1.44
Growth Score	C	-	-	A	A	A
Historical EPS Growth (3-5 Years)	-28.42%	28.94%	9.72%	18.48%	48.02%	36.63%
Projected EPS Growth (F1/F0)	-1,063.64%	22.77%	0.42%	29.13%	-138.72%	22.30%
Current Cash Flow Growth	-66.61%	-28.14%	5.29%	13.84%	8.16%	5.05%
Historical Cash Flow Growth (3-5 Years)	-26.81%	9.76%	8.33%	15.48%	9.76%	49.91%
Current Ratio	1.05	1.06	1.38	3.01	4.36	1.75
Debt/Capital	38.00%	26.16%	41.99%	14.82%	59.09%	0.00%
Net Margin	-6.07%	3.75%	10.40%	-5.00%	-1.05%	6.21%
Return on Equity	-29.98%	1.61%	14.99%	21.39%	-1.56%	37.46%
Sales/Assets	2.07	2.07	0.50	1.39	0.70	2.45
Projected Sales Growth (F1/F0)	-12.22%	0.00%	0.23%	6.48%	-7.36%	6.45%
Momentum Score	F	-	-	B	C	B
Daily Price Change	9.36%	0.00%	1.06%	2.52%	10.73%	2.68%
1-Week Price Change	15.44%	2.40%	0.21%	4.93%	2.40%	5.92%
4-Week Price Change	3.35%	5.61%	8.26%	14.01%	4.51%	32.31%
12-Week Price Change	108.08%	11.44%	9.20%	15.58%	-11.19%	39.88%
52-Week Price Change	130.51%	7.01%	5.26%	12.92%	-48.06%	34.37%
20-Day Average Volume (Shares)	6,516,233	88,074	2,312,054	559,592	271,265	93,612
EPS F1 Estimate 1-Week Change	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
EPS F1 Estimate 4-Week Change	0.09%	0.09%	0.96%	7.53%	0.00%	26.87%
EPS F1 Estimate 12-Week Change	-40.96%	11.24%	3.72%	26.75%	65.14%	26.87%
EPS Q1 Estimate Monthly Change	0.00%	0.00%	0.00%	4.18%	0.00%	23.53%

Source: Zacks Investment Research

Zacks Stock Rating System

We offer two rating systems that take into account investors' holding horizons: Zacks Rank and Zacks Recommendation. Each provides valuable insights into the future profitability of the stock and can be used separately or in combination with each other depending on your investment style.

Zacks Recommendation

The Zacks Recommendation aims to predict performance over the next 6 to 12 months. The foundation for the quantitatively determined Zacks Recommendation is trends in the company's estimate revisions and earnings outlook. The Zacks Recommendation is broken down into 3 Levels; Outperform, Neutral and Underperform. Unlike many Wall Street firms, we maintain a balance between the number of Outperform and Neutral recommendations. Our team of 70 analysts are fully versed in the benefits of earnings estimate revisions and how that is harnessed through the Zacks quantitative rating system. But we have given our analysts the ability to override the Zacks Recommendation for the 1200 stocks that they follow. The reason for the analyst over-rides is that there are often factors such as valuation, industry conditions and management effectiveness that a trained investment professional can spot better than a quantitative model.

Zacks Rank

The Zacks Rank is our short-term rating system that is most effective over the one- to three-month holding horizon. The underlying driver for the quantitatively-determined Zacks Rank is the same as the Zacks Recommendation, and reflects trends in earnings estimate revisions.

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	D
Growth Score	C
Momentum Score	F
VGM Score	F

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.

Disclosures

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Glossary of Terms and Definitions

52-Week High-Low: The range of the highest and lowest prices at which a stock has traded during the past year. This range is determined based on the stock's daily closing price which may differ from the intra-day high or low. Many investors use it as a technical indicator to determine a stock's current value and future price movement. The idea here is that if price breaks out from the 52-week range, in either direction, the momentum may continue in the same direction.

20-Day Average Volume (Shares): The average number of shares of a company traded in a day over the last 20 days. It is a direct indication of a security's overall liquidity. The higher the average daily trading volume, the easier it is to enter or exit the stock at a desired price with more buyers and sellers being available.

Daily Price Change: This is the percentage difference between a trading day's closing price and the prior trading day's closing price. This item is updated at 9 p.m. EST each day.

1-Week Price Change: This is the percentage change in a stock's closing price over the last 5 trading days. This change reflects the collective buying and selling sentiment over the 1-week period.

A strong weekly price increase for the stock, especially when accompanied by increased volume, is an indication of it gaining momentum.

4-Week Price Change: This is the percentage change in a stock's closing price over the last 20 trading days or past 4 weeks. This is a medium-term price change metric and an indication of the stock gaining momentum.

12-Week Price Change: This is the percentage change of a stock's closing price over the last 60 trading days or past 12 weeks. Similar to 4-week price change, this is a medium-term price change metric. It shows whether a stock has been enjoying strong investor demand, or if it has been in consolidation, or distress over this period.

52-Week Price Change: This is the percentage change in a stock's closing price over the last 260 trading days or past 52 weeks. This long-term price change metric is a good reference point for investors. Some investors seek stocks with the best percentage price change over the last 52 weeks, expecting the momentum to continue.

Market Cap: The number of outstanding common shares of a company times its latest price per share. This figure represents a company's size, which indicates various characteristics, including price stability and risk, in which investors could be interested.

Year-To-Date Price Change: Change in a stock's daily closing price in the period of time beginning the first day of the current calendar year through to the previous trading day.

of Analysts: Number of EPS estimates used in calculating the current-quarter consensus. These estimates come from the brokerage analysts tracking this stock. However, the number of such analysts tracking this stock may not match the number of estimates, as all brokerage analysts may not come up with an estimate or provide it to us.

Beta: A measure of risk commonly used to compare the volatility of a stock to the overall market. The S&P 500 Index is the base for calculating beta and carries a value of 1. A stock with beta below 1 is less risky than the market as a whole. And a stock with beta above 1 is riskier.

Dividend: The portion of earnings a company is expected to distribute to its common shareholders in the next 12 months for each share they own. Dividends are usually paid quarterly. Dividend payments reflect positively on a company and help maintain investors' trust. Investors typically find dividend-paying stocks appealing because the dividend adds to any market price appreciation to result in higher return on investment (ROI). Moreover, a steady or increasing dividend payment provides investors a cushion in a down market.

Dividend Yield: The ratio of a company's annual dividend to its share price. The annual dividend used in the ratio is calculated based on the most recent dividend paid by the company. Dividend yield is an estimate of the dividend-only return from a stock in the next 12 months. Since dividend itself doesn't change frequently, dividend yield usually changes with a stock's price movement. As a result, often an unusually high dividend yield is a result of weak stock price.

S&P 500 Index: The Standard & Poor's 500 (S&P 500) Index is an unmanaged group of securities considered to be representative of the stock market in general. It is a market-capitalization-weighted index of stocks of the 500 largest U.S. companies. Each stock's weight in the index is proportionate to its market value.

Industry: One of the 250+ groups that Zacks classifies all stocks into based on the nature of business. These groups are termed as expanded (aka "X") industries and map to their respective (economic) sectors; Zacks has 16 sectors.

Zacks Industry Rank: The Zacks Industry Rank is determined by calculating the average Zacks Rank for all stocks in the industry and then assigning an ordinal rank to it. For example, an industry with an average Zacks Rank of 1.6 is better than an industry with an average Zacks Rank of 2.3. So, the industry with the better average Zacks Rank would get a better Zacks Industry Rank. If an industry has the best average Zacks Rank, it would be considered the top industry (1 out of 250+), which would place it at the top 1% of Zacks-ranked industries. Studies have shown that roughly half of a stock's price movement can be attributed to the industry group it belongs to. In fact, the top 50% of Zacks-ranked industries outperforms the bottom 50% by a factor of more than 2 to 1.

Last EPS Surprise: The percentage deviation of a company's last reported earnings per share from the Zacks Consensus Estimate. Companies with a positive earnings surprise are more likely to surprise again in the future (or miss again if they recently missed).

Last Sales Surprise: The percentage deviation of a company's last reported sales from the Zacks Consensus Estimate.

Expected Report Date: This is an estimated date of a company's next earnings release. The information originated or gathered by Zacks Investment Research from its information providers or publicly available sources is the basis of this estimate.

Earnings ESP: The Zacks Earnings ESP compares the Most Accurate Estimate to the Zacks Consensus Estimate for the yet-to-be reported quarter. The Most Accurate Estimate is the most recent version of the Zacks Consensus EPS Estimate. The idea here is that analysts revising their estimates closer to an earnings release have the latest information, which could potentially be more accurate than what they and others contributing to the consensus had predicted earlier. Thus, a positive or negative Earnings ESP reading theoretically indicates the likely deviation of the actual earnings from the consensus estimate. However, the model's predictive power is significant for positive ESP readings only. A positive Earnings ESP is a strong predictor of an earnings beat, particularly when combined with a Zacks Rank #1 (Strong Buy), #2 (Buy) or #3 (Hold). Our research shows that stocks with this combination produce a positive surprise nearly 70% of the time.

Periods:

TTM: Trailing 12 months. Using TTM figures is an effective way of analyzing the most-recent financial data in an annualized format that helps neutralize the effects of seasonality and other quarter-to-quarter variation.

F1: Current fiscal year. This period is used to analyze the estimates for the ongoing full fiscal year.

F2: Next fiscal year. This period is used to analyze the estimates for the next full fiscal year.

F12M: Forward 12 months. Using F12M figures is an effective way of analyzing the near-term (the following four unreported quarters) estimates in an annualized manner. Instead of typically representing estimates for the full fiscal year, which may not represent the nitty-gritty of each quarter, F12M figures suggest an all-inclusive annualized estimate for the following four quarters. The annualization helps neutralize the potential effects of seasonality and other quarter-to-quarter variations.

P/E Ratio: The price-to-earnings ratio measures a company's current market price per share relative to its earnings per share (EPS). Usually, the trailing-12-month (TTM) EPS, current-fiscal-year (F1) EPS estimate, or forward-12-month (F12M) EPS estimate is used as the denominator. In essence, this ratio shows what the market is willing to pay today for each dollar of EPS. In other words, this ratio gives a sense of what the relative value of the company is at the already reported level of earnings or at a future level of earnings.

It is one of the most widely-used multiples for determining the value of a company and helps comparing its valuation with that of a competitor, the industry group or a benchmark.

PEG Ratio: The price/earnings to growth ratio is a stock's P/E ratio using current fiscal year (F1) EPS estimate divided by its expected EPS growth rate over the coming 3 to 5 years. This ratio essentially determines a stock's value by factoring in the company's expected earnings growth and is thus believed to provide a more complete picture than just the P/E ratio, particularly for faster-growing companies.

P/S Ratio: The price-to-sales ratio is calculated as a company's current price per share divided by trailing 12 months (TTM) sales or revenues per share. This ratio shows what the market is willing to pay today for each dollar of TTM sales per share. The P/S ratio is at times the only valuation metric when the company has yet to become profitable.

Cash/Price Ratio: The cash-to-price ratio or Cash Yield is calculated as cash and marketable securities per share divided by the company's current share price. Like the earnings yield, which shows the anticipated yield (or return) on a stock from earnings for each dollar invested, the cash yield does the same, with cash being the source of return instead of earnings. For example, a cash/price ratio of 0.08 suggests a return of 8% or 8 cents for every \$1 investment.

EV/EBITDA Ratio: The EV/EBITDA ratio, also known as Enterprise Multiple, is calculated as a company's enterprise value (market capitalization + value of total long-term debt + book value of preferred shares - cash and marketable securities) divided by EBITDA (earnings before interest, taxes, depreciation and amortization). Usually, trailing-12-month (TTM) or forward-12-month (F12M) EBITDA is used as the denominator.

EV/Sales Ratio: The enterprise value-to-sales ratio is calculated as a company's enterprise value (market capitalization + value of total long-term debt + book value of preferred shares - cash and marketable securities) divided by annual sales. It is an expansion of the P/S valuation, which uses market value instead of enterprise value. The EV/Sales ratio is perceived as more accurate than P/S, in part, because the market capitalization does not take a company's debt into account when valuing it.

EV/CF Ratio: The enterprise value-to-cash flow ratio is calculated as a company's enterprise value (market capitalization + value of total long-term debt + book value of preferred shares - cash and marketable securities) divided by the trailing-12-month (TTM) operating cash flow. It's a measure of how long it would take to buy the entire business if you were able to use all the company's operating cash flow.

The EV/CF ratio is perceived as more accurate than the P/CF ratio, in part, because the market price does not take a company's debt into account when valuing it.

EV/FCF Ratio: The enterprise value-to-free cash flow metric compares a company's enterprise value to its trailing-12-month (TTM) free cash flow (FCF). This metric is very similar to the EV/CF ratio, but is considered a more exact measure owing to the fact that it uses free cash flow, which subtracts capital expenditures (CAPEX) from a company's total operating cash flow, thereby reflecting the actual cash flow available for funding growth activities and payments to shareholders.

P/EBITDA Ratio: The P/EBITDA ratio is calculated as a company's per share market value divided by EBITDA (earnings before interest, taxes, depreciation, and amortization). This metric is very similar to the EV/EBITDA ratio, but is considered a little less exact measure as it uses market price, which does not take a company's debt into account. However, since EBITDA is often considered a proxy for cash income, the metric is used as a measure of what the market is willing to pay today for each dollar of the company's cash profitability in the trailing 12 months (TTM) or forward 12 months (F12M).

P/B Ratio: The price-to-book ratio is calculated as a company's current price per share divided by its book value (total assets – liabilities – preferred stocks) per share. In short, the book value is how much a company is worth. In other words, it reflects the total value of a company's assets that its common shareholders would receive if it were to be liquidated. So, the P/B ratio indicates whether you're paying higher or lower than what would remain if the company went bankrupt immediately. Investors typically use this metric to determine how a company's stock price stacks up to its intrinsic value.

P/TB Ratio: The price-to-tangible-book value ratio is calculated as a the per share market value of a company divided by the value of its tangible assets (total assets – liabilities – preferred stocks – intangible assets) per share. Tangible book value is the same thing as book value except it excludes the value of intangible assets to get a step closer to the baseline value of the company.

P/CF Ratio: The price-to-cash flow ratio measures a company's per share market price relative to its trailing-12-month (TTM) operating cash flow per share. This metric is used to determine whether a company is undervalued or overvalued relative to another stock, industry or sector. And like the P/E ratio, a lower number is typically considered better from the value perspective.

One of the reasons why P/CF ratio is often preferred over P/E ratio is the fact that operating cash flow adds back non-cash expenses such as depreciation and amortization to net income. This feature helps valuing stocks that have positive cash flow but are not profitable because of large noncash charges.

P/FCF Ratio: The price-to-free cash flow ratio is an extension of P/CF ratio, which uses trailing-12-month (TTM) free cash flow per share instead of operating cash flow per share. This metric is considered a more exact measure than P/CF ratio, as free cash flow subtracts capital expenditures (CAPEX) from a company's total operating cash flow, thereby reflecting the actual cash flow available for funding activities that generate additional revenues.

Earnings Yield: The earnings yield is calculated as current fiscal year (F1) EPS estimate divided by the company's current share price. The ratio, which is the inverse of the P/E ratio, measures the anticipated yield (or return) from earnings for each dollar invested in a stock today.

For example, earnings yield for a stock, which is trading at \$35 and expected to earn \$3 per share in the current fiscal year (F1), would be 0.0857 ($3/35 = 0.0857$) or 8.57%. In other words, for \$1 invested in the stock today, the yield from earnings is anticipated to be 8.57 cents.

Investors most commonly compare the earnings yield of a stock to that of a broad market index (such as the S&P 500) and prevailing interest rates, such as the current 10-year Treasury yield. Since bonds and stocks compete for investors' dollars, stock investors typically demand a higher yield for the extra risk they assume compared to investors of U.S. Treasury-backed securities that offer virtually risk-free returns. This additional return is referred to as the risk premium.

Debt/Equity Ratio: The debt-to-equity ratio is calculated as a company's total liabilities divided by its shareholder equity. This metric is used to gauge a company's financial leverage. In other words, it is a measure of the degree to which a company is financing its operations through debt versus its own funds. The higher the ratio, the higher the risk for shareholders.

However, this ratio is difficult to compare across industry groups where ideal amounts of debt vary. Some businesses are more capital intensive than others and typically require higher debt to finance their operations. So, a company's debt-to-equity ratio should be compared with other companies in the same industry.

Cash Flow (\$/share): Cash flow per share is calculated as operating cash flow (after-tax earnings + depreciation + other non-cash charges) divided by common shares outstanding. It is used by many investors as a measure of a company's financial strength. Since cash flow per share takes into consideration a company's ability to generate cash by adding back non-cash expenses, it is regarded by some as a more accurate measure of a company's financial situation than earnings per share, which could be artificially deflated.

Current Ratio: The current ratio or liquidity ratio is a company's current assets divided by its current liabilities. It measures a company's ability to pay short-term obligations. A current ratio that is in line with the industry average or slightly higher is generally considered acceptable. A current ratio that is lower than the industry average would indicate a higher risk of distress or default. A higher number is usually better. However, a very high current ratio compared to the industry average could be an indication of inefficient use of assets by management.

Debt/Capital Ratio: Debt-to-capital ratio is a company's total debt (interest-bearing debt + both short- and long-term liabilities) divided its total capital (interest-bearing debt + shareholders' equity). It is a measure of a company's financial leverage. All else being equal, the higher the debt-to-capital ratio, the riskier the stock.

However, this ratio can vary widely from industry to industry, the ideal amount of required debt being different. Some businesses are more capital intensive than others and typically require higher debt to finance their operations. So, a company's debt-to-capital ratio should be compared with the same for its industry.

Net Margin: Net margin is calculated as net income divided by sales. It shows how much of each dollar in sales generated by a company translates into profit. For example, if a company's net margin is 15%, its net income is 15 cents for every \$1 of sales it makes.

A change in margin can reflect either a change in business conditions, or a company's cost controls, or both. If a company's expenses are growing faster than sales, its net margin will decline. However, different net margin rates are considered good for different industries, so it's better to compare net margin rates of companies in the same industry group.

Return on Equity: Return on equity (ROE) is calculated as trailing-12-month net income divided by trailing-12-month average shareholder equity (including reinvested earnings). This metric is considered a measure of how effectively management is using a company's assets to generate profits. For example, if a company's ROE is 10%, it creates 10 cents profits for every \$1 shareholder equity, which is basically the company's assets minus debt. A company's ROE deemed good or bad depends on what's normal for its peers or industry group.

Sales/Assets Ratio: The sales-to-assets ratio or asset utilization ratio or asset turnover ratio is calculated as a company's annual sales divided by average assets (average of assets at the beginning of the year and at the year's end). This metric helps investors understand how effectively a company is using its assets to generate sales. For example, a sales-to-assets ratio of 2.5 indicates that the company generated \$2.50 in sales for every \$1 of assets on its books.

The higher the sales-to-assets ratio, the better the company is performing. However, similar to many other ratios, the asset turnover ratio tends to be higher for companies in certain industries/sectors than in others. So, a company's sales-to-assets ratio should be compared with the same for its industry/sector.

Historical EPS Growth (3-5 Years): This is the average annual (trailing-12-month) EPS growth rate over the last 3-5 years. This metric helps investors see how a company's EPS has grown from a long-term perspective.

Note: There are many factors that can influence short-term numbers — a recession will reduce this number, while a recovery will inflate it. The longterm perspective helps smooth out short-term events.

Projected EPS Growth (F1/F0): This is the estimated EPS growth rate for the current financial year. It is calculated as the consensus estimate for the current fiscal year (F1) divided by the reported EPS for the last completed fiscal year (F0).

Current Cash Flow Growth: It measures the latest year-over-year change in operating cash flow. Cash flow growth tells an investor how quickly a company is generating inflows of cash from operations. A positive change in the cash flow is desired and shows that more 'cash' is coming in than going out.

Historical Cash Flow Growth (3-5 Years): This is the annualized change in cash flow over the last 3-5 years. The change in a longer period helps put the current reading into proper perspective. By looking at the rate, rather than the actual dollar value, the comparison across the industry and peers becomes easier.

Projected Sales Growth (F1/F0): This metric looks at the estimated sales growth for the current year. It is calculated as sales estimate for the current fiscal year (F1) divided by the reported sales for the last completed fiscal year (F0).

Like EPS growth, a higher rate is better for sales growth. A look at a company's projected sales growth instantly tells you what the outlook is for their products and services. However, different sales growth rates are considered good for different industries, so it's better to compare sales growth rates of companies in the same industry group.

EPS F1 Estimate 1-Week Change: The percentage change in the Zacks Consensus EPS estimate for the current fiscal year over the past week. The change in a company's consensus EPS estimate (or earnings estimate revision) has proven to be strongly correlated with the near-term price movement of its shares. It is an integral part of the Zacks Rank.

If a stock's consensus EPS estimate is \$1.10 now versus \$1.00 a week ago, that will be reflected as a 10% upward revision. If, on the other hand, it went from \$1.00 to 90 cents, that would be a 10% downward revision.

EPS F1 Estimate 4-Week Change: The percentage change in the Zacks Consensus EPS estimate for the current fiscal year over the past four weeks.

A stock's earnings estimate revision in a 1-week period is important. But it's more meaningful to look at the longer-term revision. And, of course, the 4-week change helps put the 1-week change into proper perspective.

EPS F1 Estimate 12-Week Change: The percentage change in the Zacks Consensus EPS estimate for the current fiscal year over the past 12 weeks.

This metric essentially shows how the consensus EPS estimate has changed over a period longer than 1 week or 4 weeks.

EPS Q1 Estimate Monthly Change: The percentage change in the Zacks Consensus EPS estimate for the current fiscal quarter over the past four weeks.

While the revision in consensus EPS estimate for the current fiscal year is strongly correlated with the near-term price movement of its shares, the estimate revision for the current fiscal quarter is an important metric as well, especially over the short term, and particularly as a stock approaches its earnings date. If a stock's Q1 EPS estimate decreases ahead of its earnings release, it's usually a negative sign, whereas an increase is a positive sign.