

Tapestry, Inc. (TPR)

\$41.09 (As of 03/23/21)

Price Target (6-12 Months): **\$47.00**

Long Term: 6-12 Months

Zacks Recommendation: **Outperform**

(Since: 08/19/20)

Prior Recommendation: Neutral

Short Term: 1-3 Months

Zacks Rank: (1-5)

2-Buy

Zacks Style Scores:

VGM:B

Value: C

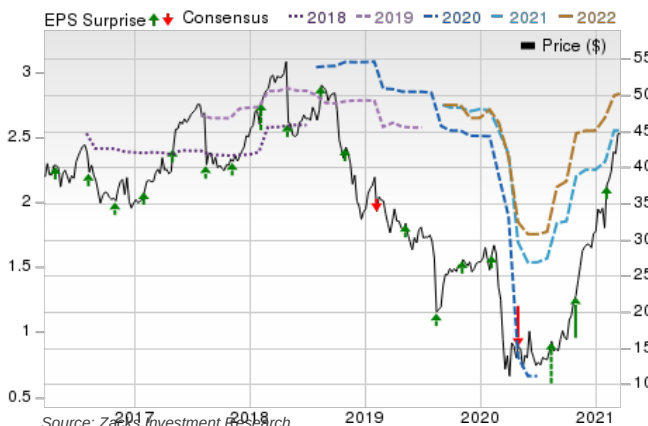
Growth: B

Momentum: B

Summary

Shares of Tapestry have risen and outpaced the industry in the past six months. Markedly, the stock has been gaining following the company's impressive performance that continued in second-quarter fiscal 2021, despite a challenging backdrop. The company witnessed significant improvement in sales trends on a sequential basis. Management highlighted that strength in e-commerce and sales growth in Mainland China acted as tailwinds. Also, the company attained a meaningful improvement in earnings per share owing to gross margin expansion and lower SG&A expenses. Tapestry's impressive results validate significant progress on earlier announced Acceleration Program. Given stronger-than-expected results in the first half and anticipating a sustained recovery, Tapestry envisions fiscal 2021 revenue to improve about 10% on a 53-week basis.

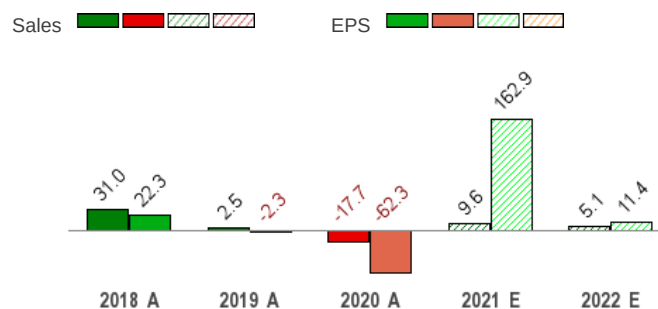
Price, Consensus & Surprise



Data Overview

52-Week High-Low	\$46.42 - \$10.18
20-Day Average Volume (Shares)	4,316,026
Market Cap	\$11.4 B
Year-To-Date Price Change	32.2%
Beta	1.48
Dividend / Dividend Yield	\$0.00 / 0.0%
Industry	Retail - Apparel and Shoes
Zacks Industry Rank	Top 36% (91 out of 253)

Sales and EPS Growth Rates (Y/Y %)



Last EPS Surprise	15.0%
Last Sales Surprise	3.5%
EPS F1 Estimate 4-Week Change	0.0%
Expected Report Date	04/29/2021
Earnings ESP	41.3%
P/E TTM	34.0
P/E F1	16.1
PEG F1	1.5
P/S TTM	2.5

Sales Estimates (millions of \$)

	Q1	Q2	Q3	Q4	Annual*
2022	1,300 E	1,766 E	1,267 E	1,361 E	5,712 E
2021	1,172 A	1,685 A	1,200 E	1,374 E	5,436 E
2020	1,358 A	1,816 A	1,073 A	715 A	4,961 A

EPS Estimates

	Q1	Q2	Q3	Q4	Annual*
2022	\$0.75 E	\$1.19 E	\$0.38 E	\$0.61 E	\$2.84 E
2021	\$0.58 A	\$1.15 A	\$0.30 E	\$0.56 E	\$2.55 E
2020	\$0.40 A	\$1.10 A	-\$0.27 A	-\$0.25 A	\$0.97 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 03/23/2021. The report's text and the analyst-provided price target are as of 03/24/2021.

Overview

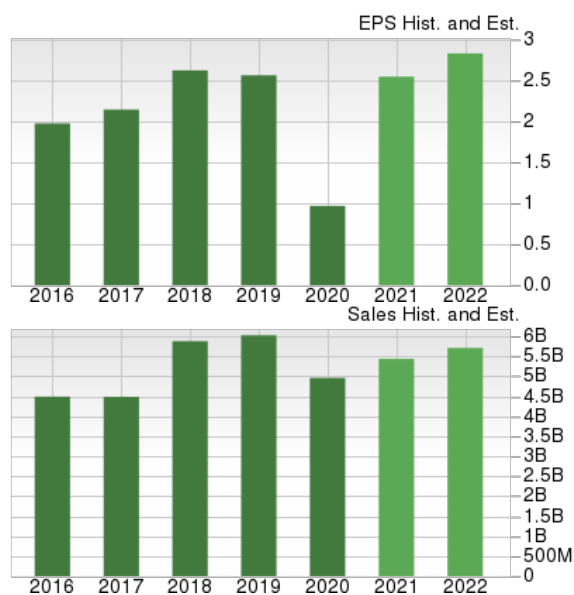
Founded in 1941 and headquartered in New York, Tapestry, Inc. (TPR), which was formerly known as Coach, Inc., is the designer and marketer of fine accessories and gifts for women and men in the United States and internationally. The Company offers lifestyle products, which include handbags, women's and men's accessories, footwear, jewelry, seasonal apparel collections, sunwear, travel bags, fragrance and watches. Tapestry now operate under three segments comprising Coach brand (North America and International - 71% of FY20 Sales), Kate Spade & Company (23% of FY20 Sales) and Stuart Weitzman (6% of FY20 Sales).

Coach Brand North American segment includes sales to customers via North American company-owned stores, including the Internet, and sales to North American wholesale customers and distributors.

Coach Brand International segment includes sales via company-operated outlets (including the Internet) and concession store-in-stores in — Japan, mainland China, Hong Kong, Macau, Singapore, Taiwan, Malaysia, South Korea, the United Kingdom, France, Ireland, Spain, Portugal, Germany, Italy, Austria, Belgium, the Netherlands and Switzerland. Additionally, International includes sales to consumers through the Internet in Japan, mainland China, the United Kingdom and South Korea, as well as sales to wholesale customers and distributors in about 55 countries.

Stuart Weitzman segment includes sales generated by the Stuart Weitzman brand globally, principally via department stores in North America and international locations, within numerous independent third party distributors and within Stuart Weitzman operated stores, comprising the Internet, in the U.S., Canada and Europe.

Kate Spade & Company, which designs and markets accessories and apparel under two multichannel lifestyle brands – kate spade new york and Jack Spade New York.



Source: Zacks Investment Research

Reasons To Buy:

- ▲ **Solid Performance Keeps Stock's Momentum Alive:** In the past six months, shares of Tapestry have risen 151.1%, while the industry gained 98.4%. Markedly, the stock has been gaining following the company's upbeat performance that continued in second-quarter fiscal 2021, in spite of a challenging backdrop. The company witnessed significant improvement in sales trends on a sequential basis. While the quarter marked the fifth straight top-line beat, the bottom line surpassed the Zacks Consensus Estimate for the third time. Also, the company attained a meaningful improvement in earnings per share on a year-over-year basis owing to gross margin expansion and lower SG&A expenses. Management stated that quarterly results came ahead of expectations. Notably, the company continued with its sturdy e-commerce performance with digital sales rising in triple digits compared with the year-ago period, and accounting for roughly one-third of total revenues. Impressively, the company registered more than 30% year-over-year increase in sales in Mainland China. Additionally, as a part of global fleet optimization, the company notified the closure of 18 net stores in the first half of the fiscal year. The company's actions to lower promotional activity and improve Average Unit Retail or AURs across brands as well as disciplined inventory and expense management helped post second successive quarter of operating income growth.
- ▲ **Growth Drivers:** Tapestry's long-term growth drivers include deepening engagement with consumers, creating innovative and compelling products, venturing into under-penetrated markets and enhancement of digital and data analytics capabilities. Notably, the company's compelling pricing strategy, smaller format locations and cost-effective global sourcing model have been contributing in enhancing store productivity. No wonder, these strategies should help drive sales and margins. From growth perspective, China remains one of the prominent markets for Tapestry. The company has been accelerating growth in the region through tailored and innovative product assortments, enhanced marketing and expanded reach across direct channels and third-party online distribution. Tapestry has a strategic alliance with Alibaba's Tmall, China's largest B2C e-commerce platform. Coach is now the number one ranked handbag brand on Tmall. The company has been expanding digitally through the rollout of the Luxury Soho flagship for Coach on TMall. The company recaptured tourist demand through the China duty-free channel as consumers increasingly shift to domestic travel. Additionally, the company has been expanding its digital distribution channels with focus on enhancing curbside or store pickup service as well as contactless payment options, and the opportunity to make virtual appointments. The company's other strategic endeavors include multi-year licensing agreement with Incipio Group as well as partnership with Disney.
- ▲ **Acceleration Program:** Tapestry's impressive performance validates significant progress on Acceleration Program with multi-year initiatives to drive revenue growth, gross margin expansion and operating leverage across its portfolio. The program aims at transforming into a leaner and more responsive organization, building significant data and analytics capabilities with focus on enhancing digital and omnichannel capabilities, and operating with a clearly defined path and strategy for each brand. Management remains on track to realize about \$300 million in gross run rate expense savings from these endeavors, including \$200 million projected for fiscal 2021. Although management did not provide detailed guidance for fiscal 2021 owing to the ongoing pandemic, it is undertaking actions to lower promotional activity and improve Average Unit Retail or AURs across brands. These are contributing to gross margin expansion. The company is also targeting reductions in SG&A expenses and right sizing store fleet. With regards to Stuart Weitzman the company had earlier notified that it intends to rationalize the North America retail fleet by reducing the number of doors in fiscal 2021 and close all direct locations in Europe, Japan, Australia and Malaysia. Again, given stronger-than-expected results in the first half and anticipating a sustained recovery, Tapestry now envisions revenues for fiscal 2021 to improve at a high-single digit rate on a 52-week basis and around 10% on 53-week basis. The company continues to expect top-line inflection and robust bottom-line growth during the second half of the fiscal year. This includes the expectation of low double-digit rate increase in sales in the third quarter.
- ▲ **Undergoing Brand Transformation:** Tapestry has undertaken transformation initiatives revolving around, product, stores and marketing. The acquisitions of Stuart Weitzman and Kate Spade have facilitated it to emerge as a multi-brand company. Also, the company is introducing modern luxury concept stores in key markets. Moreover, the company has undertaken strategic measures involving upgrading of core technology platforms and enhancement of international supply chain. The company is focusing beyond bags into women's and men's footwear and ready-to-wear categories. It is focusing on renewing Stuart Weitzman brand's reputation for fit, comfort and quality, and growing key categories by building a leading presence in boots, booties and sandals and expanding the casual assortment. With respect to Kate Spade, the company remains focused on growing handbags and leathergoods, and capitalizing on a new Signature platform.
- ▲ **Actions to Mitigate Covid-19 Impact:** To address challenges tied to the pandemic Tapestry remains focused on global digital opportunity for all its brands. Management has been taking actions to curb expenses in order to stay resilient during the ongoing crisis. It has decided to eliminate non-essential operating expenses and lower fixed costs like rent as well as enhance SG&A savings via right-sizing marketing spend. It is also reducing corporate payroll. The company has taken significant reductions in SKU count. No wonder, the company is cutting down on capex by deferring or cancelling store openings, while prioritizing investments in high-return areas, including digital. Furthermore, it is focused on effectively managing inventories. Management expects to incur capital expenditures of approximately \$135 million during the fiscal year 2021 as compared to its run-rate spend of about \$275 million.
- ▲ **Financial Flexibility:** Tapestry ended second-quarter fiscal 2021 with cash, cash equivalents and short-term investments of \$1,651.8 million, which reflects an increase of 8.5% on a sequential basis. Also, the company's debt-to-capitalization ratio was 0.38 at the end of the quarter under review, which showcased an improvement from 0.48 at the end of the preceding quarter. The company paid down \$500 million of \$700 million revolver with positive free cash flow of \$697 million year-to-date as of Feb 4, 2021, and paid down remaining \$200 million balance subsequent to the end of the quarter. The company also efficiently managed inventories, which were down 16% from the prior-year period.

Tapestry's long-term growth drivers include deepening engagement with consumers, creating innovative and compelling products, venturing into under-penetrated markets and enhancement of digital capabilities.

Risks

- **Near-Term Headwinds:** Soft brick-&-mortar traffic, unprecedented store closures, capacity limits as well as higher freight costs and shipping constraints are some of the headwinds Tapestry might have to encounter with. Although second-quarter fiscal 2021 net sales came ahead of the Zacks Consensus Estimate, it declined 7% on a year-over-year basis. Sales declined across all brands. Net sales declined 4%, 13% and 27% on a year-over-year basis at Coach, Kate Spade and Stuart Weitzman, respectively. Across Asia, sales remained below last year, mainly in Japan and Malaysia owing to the reinstatement of lockdown measures. As far as Europe is concerned, the company experienced significant slowdown in the business owing to restrictions imposed. However, the region accounts for a small portion of total sales.

On its second-quarter fiscal 2021 earnings call, management highlighted that the company is witnessing some distribution network disruption owing to the pandemic resulting in shipping capacity constraints and port congestion worldwide. Consequently, the company anticipates longer lead times, which will delay the timing of receipts and limit ability to chase higher levels of demand should it materialize. In addition, the company anticipates the Kate Spade business to be hurt by the widely reported Maersk Essen and ONE Apus cargo ship incident which will impact the brand's spring deliveries.

- **Adverse Currency Fluctuations May Hurt Results:** Tapestry generates a significant amount of net sales outside the U.S. Due to high exposure to international markets the company remains prone to currency fluctuations. The weakening of foreign currencies against the U.S. dollar may require the company to either raise prices or contract profit margins in locations outside of the U.S. An increase in price may have an adverse impact on the demand for the products.
 - **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.
 - **Fashion Obsolescence:** Fashion obsolescence remains the main concern for Tapestry's business model, which involves a sustained focus on product and design innovation. The company's pioneering position may be compromised by delays in its product launches. The company operates in the highly competitive premium handbag and accessories segment. The company faces stiff competition from European luxury brands as well as private label retailers on distinctiveness, innovativeness, quality and pricing, which may weigh on its results.
-

Last Earnings Report

Tapestry's Q2 Earnings Surpass Estimates, Increase Y/Y

In spite of a challenging backdrop, Tapestry, Inc. reported better-than-expected second-quarter fiscal 2021 results. This house of modern luxury accessories and lifestyle brands witnessed significant improvement in sales trends on a sequential basis. While the quarter marked the fifth straight top-line beat, the bottom line surpassed the Zacks Consensus Estimate for the third time. Also, the company attained a meaningful improvement in earnings per share on a year-over-year basis owing to gross margin expansion and lower SG&A expenses.

Tapestry posted adjusted earnings of \$1.15 per share that comfortably surpassed the Zacks Consensus Estimate of \$1.00, and increased from \$1.10 reported in the year-ago quarter.

Net sales of this New York-based company came in at \$1,685.4 million, ahead of the Zacks Consensus Estimate of \$1,628.1 million. However, the metric declined 7% on a year-over-year basis. Nonetheless, we note that the rate of sales decline has decelerated sharply from 14% witnessed in the preceding quarter. Management highlighted that strength in e-commerce and China contributed to this upbeat performance. Notably, the company registered new customer acquisition across all brands.

Let's Take an Insight

Clearly, Tapestry's impressive performance validates significant progress on previously announced Acceleration Program. The program aims at transforming into a leaner and more responsive organization, building significant data and analytics capabilities with focus on e-commerce channels, and operating with a clearly defined path and strategy for each brand.

Management stated that quarterly results came ahead of expectations. Notably, the company continued with its sturdy e-commerce performance with digital sales rising in triple digits compared with the year-ago period. Impressively, the company registered more than 30% year-over-year increase in sales in Mainland China. Additionally, as a part of global fleet optimization, the company notified the closure of 18 net stores in the first half of the fiscal year.

Markedly, Tapestry remains on track to realize about \$300 million in gross run rate expense savings, including \$200 million projected for fiscal 2021.

Although management did not provide detailed guidance for fiscal 2021 owing to the ongoing pandemic, its actions to lower promotional activity and improve Average Unit Retail or AURs across brands as well as disciplined inventory and expense management helped post second successive quarter of operating income growth.

Again, given stronger-than-expected results in the first half and anticipating a sustained recovery, Tapestry now envisions revenues for fiscal 2021 to improve at a high-single digit rate on a 52-week basis and around 10% on a 53-week basis. The company continues to expect top-line inflection and robust bottom-line growth during the second half of the fiscal year. This includes the expectation of low double-digit rate increase in sales in the third quarter.

Margin Discussions

Consolidated adjusted gross profit came in at \$1,173.7 million, down 3% from the year-ago period. However, adjusted gross margin expanded 290 basis points to 69.6% owing to lower and more disciplined promotional activity. Further, the company reported adjusted operating income of \$411.1 million, up 10% year over year, while adjusted operating margin increased 380 basis points to 24.4%.

We note that adjusted SG&A expenses fell 9% to \$762.6 million, reflecting cost containment efforts and earlier announced actions to transform the company's operating model. Again, as a percentage of net sales, SG&A decreased 90 basis points to 45.2%.

Segment Details

Net sales for **Coach** came in at \$1,225.3 million, down 4% year over year. Adjusted gross margin for the segment expanded 340 basis points to 72.5%. We note that adjusted operating margin increased to 34.1% from 30.1% in the year-ago quarter.

Kate Spade sales came in at \$375.6 million, down 13% from the year-ago period. Adjusted gross margin for the segment increased 110 basis points to 62.1%. The segment reported adjusted operating margin of 16.3%, up 40 basis points from the year-ago quarter.

Net sales for **Stuart Weitzman** totaled \$84.5 million, down 27% year over year. The segment's adjusted gross margin improved 40 basis points to 62.2%. The adjusted operating margin expanded 150 basis points from the year-ago quarter to 11.3%.

Store Update

At the end of the quarter, the company operated 374 Coach stores, 216 Kate Spade outlets and 54 Stuart Weitzman stores in North America. Internationally, the count was 586, 206 and 55 for Coach, Kate Spade and Stuart Weitzman, respectively.

Other Financial Details

Tapestry ended the quarter with cash, cash equivalents and short-term investments of \$1,651.8 million, long-term debt of \$1,589.3 million and stockholders' equity of \$2,890.7 million. The company paid down \$500 million of \$700 million revolver with positive free cash flow of \$697 million year-to-date as of Feb 4, 2021, and paid down remaining \$200 million balance subsequent to the end of the quarter. The company also efficiently managed inventories, which were down 16% from the prior-year period.

Quarter Ending	12/2020
Report Date	Feb 04, 2021
Sales Surprise	3.52%
EPS Surprise	15.00%
Quarterly EPS	1.15
Annual EPS (TTM)	1.21

During the quarter, the company incurred capital expenditures of \$24 million, reflecting a year-over-year decline of about 52%. Management expects to incur capital expenditures of approximately \$135 million during the fiscal year 2021. The company has generated free cash flow of \$633 million during the quarter.

Valuation

Tapestry shares are up 32.2% in the year-to-date period and nearly 175.8% over the trailing 12-month period. Stocks in the Zacks sub-industry are up 18.7%, while the Zacks Retail-Wholesale sector is down 0.1%, in the year-to-date period. Over the past year, the sub-industry and the sector are up 200.9% and 57.2%, respectively.

The S&P 500 index is up 5.3% in the year-to-date period and 61.2% in the past year.

The stock is currently trading at 14.88X forward 12-month earnings, which compares to 27.42X for the Zacks sub-industry, 30.22X for the Zacks sector and 22.14X for the S&P 500 index.

Over the past five years, the stock has traded as high as 22X and as low as 4.51X, with a 5-year median of 15.61X. Our Outperform recommendation indicates that the stock will perform better than the market. Our \$47 price target reflects 17.02X forward 12-month earnings.

The table below shows summary valuation data for TPR

Valuation Multiples - TPR					
		Stock	Sub-Industry	Sector	S&P 500
P/E F12M	Current	14.88	27.42	30.22	22.14
	5-Year High	22	89.35	34.07	23.8
	5-Year Low	4.51	8.38	19.1	15.3
	5-Year Median	15.61	14.47	23.73	17.9
P/S F12M	Current	2.03	1.25	1.32	4.52
	5-Year High	2.96	1.29	1.34	4.52
	5-Year Low	0.49	0.34	0.84	3.21
	5-Year Median	1.97	0.83	1.02	3.69
EV/EBITDA TTM	Current	18.68	29.47	18.99	17.38
	5-Year High	21.03	32.2	20.78	17.68
	5-Year Low	3.07	3.27	10.71	9.62
	5-Year Median	9.9	6.41	13.22	13.33

As of 03/23/2021

Source: Zacks Investment Research

Industry Analysis Zacks Industry Rank: Top 36% (91 out of 253)



Top Peers

Company (Ticker)	Rec	Rank
Abercrombie & Fitch Company (ANF)	Outperform	1
L Brands, Inc. (LB)	Outperform	1
American Eagle Outfitters, Inc. (AEO)	Neutral	3
Capri Holdings Limited (CPRI)	Neutral	3
Guess, Inc. (GES)	Neutral	3
Levi Strauss & Co. (LEVI)	Neutral	3
Ralph Lauren Corporation (RL)	Neutral	3
Urban Outfitters, Inc. (URBN)	Neutral	3

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

Industry Comparison Industry: Retail - Apparel And Shoes				Industry Peers		
	TPR	X Industry	S&P 500	CPRI	LEVI	VRA
Zacks Recommendation (Long Term)	Outperform	-	-	Neutral	Neutral	Underperform
Zacks Rank (Short Term)	2	-	-	3	3	3
VGM Score	B	-	-	B	B	A
Market Cap	11.42 B	1.07 B	28.73 B	7.47 B	9.17 B	337.15 M
# of Analysts	12	4	13	10	4	5
Dividend Yield	0.00%	0.00%	1.4%	0.00%	0.69%	0.00%
Value Score	C	-	-	C	C	A
Cash/Price	0.13	0.15	0.06	0.03	0.16	0.17
EV/EBITDA	-35.95	4.84	15.72	141.34	186.50	4.04
PEG F1	1.50	2.29	2.32	6.09	4.95	NA
P/B	3.95	3.95	3.83	3.17	7.05	1.07
P/CF	21.84	12.70	15.77	8.71	38.17	5.19
P/E F1	16.11	23.31	21.31	32.97	23.86	11.81
P/S TTM	2.46	0.77	3.24	1.84	2.06	0.72
Earnings Yield	6.21%	3.88%	4.62%	3.03%	4.17%	8.42%
Debt/Equity	0.55	0.10	0.67	0.53	1.19	0.10
Cash Flow (\$/share)	1.88	0.91	6.78	5.68	0.60	1.95
Growth Score	B	-	-	B	B	B
Historical EPS Growth (3-5 Years)	-7.09%	-5.16%	9.32%	-13.61%	NA	-3.88%
Projected EPS Growth (F1/F0)	163.23%	66.10%	14.55%	-61.47%	359.52%	35.56%
Current Cash Flow Growth	-48.91%	-23.32%	0.61%	-13.65%	-53.70%	-20.94%
Historical Cash Flow Growth (3-5 Years)	-6.40%	1.72%	7.32%	-3.72%	NA	4.90%
Current Ratio	1.88	1.61	1.39	0.94	2.02	3.35
Debt/Capital	35.47%	23.04%	41.42%	34.55%	54.34%	8.65%
Net Margin	-9.22%	-4.90%	10.59%	-10.60%	-2.86%	1.85%
Return on Equity	13.17%	-0.67%	14.75%	11.32%	6.37%	7.11%
Sales/Assets	0.58	1.01	0.51	0.52	0.82	0.87
Projected Sales Growth (F1/F0)	9.56%	11.21%	6.95%	-30.06%	21.98%	15.72%
Momentum Score	B	-	-	B	B	F
Daily Price Change	-5.89%	-3.92%	-1.28%	-7.24%	-7.21%	-4.63%
1-Week Price Change	0.18%	0.00%	-0.30%	2.09%	-0.52%	-0.09%
4-Week Price Change	1.11%	1.11%	1.57%	5.48%	-0.17%	8.15%
12-Week Price Change	36.47%	30.92%	7.30%	14.66%	16.20%	24.88%
52-Week Price Change	199.49%	136.14%	65.01%	344.92%	83.95%	143.13%
20-Day Average Volume (Shares)	4,316,026	295,874	2,451,869	2,179,165	1,440,535	379,366
EPS F1 Estimate 1-Week Change	0.00%	0.00%	0.00%	0.00%	0.00%	-0.93%
EPS F1 Estimate 4-Week Change	0.00%	0.00%	0.00%	0.00%	0.00%	-11.41%
EPS F1 Estimate 12-Week Change	13.44%	2.78%	2.17%	24.23%	-1.03%	-12.86%
EPS Q1 Estimate Monthly Change	3.81%	0.00%	0.00%	0.00%	0.00%	-86.49%

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	C
Growth Score	B
Momentum Score	B
VGM Score	B

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

This report contains independent commentary to be used for informational purposes only. The analysts contributing to this report do not hold any shares of this stock. The analysts contributing to this report do not serve on the board of the company that issued this stock. The EPS and revenue forecasts are the Zacks Consensus estimates, unless indicated otherwise on the reports first page. Additionally, the analysts contributing to this report certify that the views expressed herein accurately reflect the analysts personal views as to the subject securities and issuers. ZIR certifies that no part of the analysts compensation was, is, or will be, directly or indirectly, related to the specific recommendation or views expressed by the analyst in the report.

Additional information on the securities mentioned in this report is available upon request. This report is based on data obtained from sources we believe to be reliable, but is not guaranteed as to accuracy and does not purport to be complete. Any opinions expressed herein are subject to change.

ZIR is not an investment advisor and the report should not be construed as advice designed to meet the particular investment needs of any investor. Prior to making any investment decision, you are advised to consult with your broker, investment advisor, or other appropriate tax or financial professional to determine the suitability of any investment. This report and others like it are published regularly and not in response to episodic market activity or events affecting the securities industry.

This report is not to be construed as an offer or the solicitation of an offer to buy or sell the securities herein mentioned. ZIR or its officers, employees or customers may have a position long or short in the securities mentioned and buy or sell the securities from time to time. ZIR is not a broker-dealer. ZIR may enter into arms-length agreements with broker-dealers to provide this research to their clients. Zacks and its staff are not involved in investment banking activities for the stock issuer covered in this report.

ZIR uses the following rating system for the securities it covers. **Outperform-** ZIR expects that the subject company will outperform the broader U.S. equities markets over the next six to twelve months. **Neutral-** ZIR expects that the company will perform in line with the broader U.S. equities markets over the next six to twelve months. **Underperform-** ZIR expects the company will underperform the broader U.S. equities markets over the next six to twelve months.

No part of this report can be reprinted, republished or transmitted electronically without the prior written authorization of ZIR.

Additional Disclosure

This material represents an assessment of the market and economic environment at a specific point in time and is not intended to be a forecast of future events, or a guarantee of future results. Forward-looking statements are subject to certain risks and uncertainties. Any statements that refer to expectations, projections or characterizations of future events or circumstances, including any underlying assumptions, are forward-looking statements. Actual results, performance, or achievements may differ materially from those expressed or implied.

Returns quoted represent past performance which is no guarantee of future results. Investment returns and principal value will fluctuate so that when shares are redeemed, they may be worth more or less than their original cost. Current performance may be higher or lower than the performance shown.

Investing involves risk; principal loss is possible. There is no guarantee that companies that can issue dividends will declare, continue to pay or increase dividends.

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 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.