

Semtech Corporation (SMTC)

\$58.65 (As of 08/31/20)

Price Target (6-12 Months): **\$50.00**

Long Term: 6-12 Months

Zacks Recommendation: Underperform

(Since: 08/31/20)

Prior Recommendation: Neutral

Short Term: 1-3 Months

Zacks Rank: (1-5)

5-Strong Sell

Zacks Style Scores:

VGM:D

Value: F

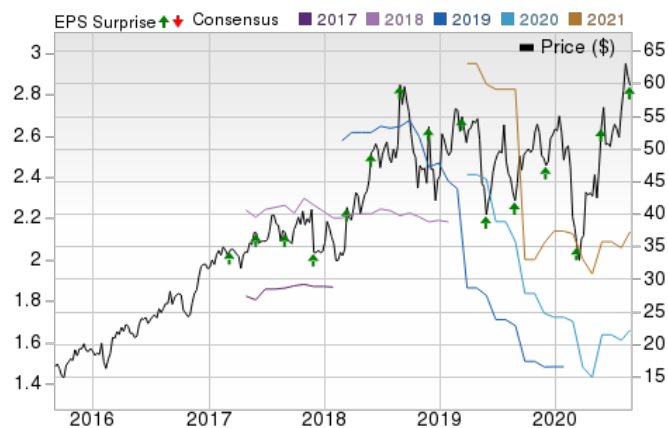
Growth: B

Momentum: C

Summary

Semtech reported decent fiscal second-quarter results on diversification strategy. However, overall global demand environment in key end-markets is a major negative. Also, the company's weakening momentum in the consumer market and macro headwinds in China remain concerns. Intensifying competition in the semiconductor space is a headwind. Nevertheless, product differentiation, operational flexibility, and specific focus on fast-growing segments and regions continue to be its key growth drivers. Additionally, Semtech's solid momentum across industrial and communications markets continues to drive its top-line growth. Moreover, well-performing LoRa business of the company is a major positive. Also, the company is gaining traction across data center, Internet of Things and mobile markets. The stock has outperformed the industry over a year.

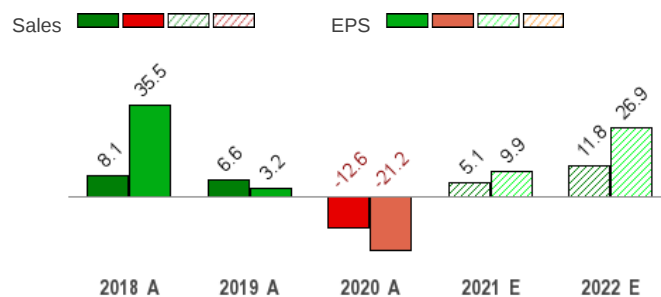
Price, Consensus & Surprise



Data Overview

52-Week High-Low	\$64.10 - \$26.03
20-Day Average Volume (Shares)	518,297
Market Cap	\$3.8 B
Year-To-Date Price Change	10.9%
Beta	1.66
Dividend / Dividend Yield	\$0.00 / 0.0%
Industry	Semiconductor - Analog and Mixed
Zacks Industry Rank	Top 33% (83 out of 251)

Sales and EPS Growth Rates (Y/Y %)



Last EPS Surprise	2.4%
Last Sales Surprise	1.1%
EPS F1 Estimate 4-Week Change	-10.2%
Expected Report Date	12/02/2020
Earnings ESP	0.0%
P/E TTM	36.9
P/E F1	35.1
PEG F1	2.8
P/S TTM	6.9

Sales Estimates (millions of \$)

	Q1	Q2	Q3	Q4	Annual*
2022	149 E	159 E	169 E	168 E	644 E
2021	133 A	144 A	149 E	150 E	576 E
2020	131 A	137 A	141 A	138 A	548 A

EPS Estimates

	Q1	Q2	Q3	Q4	Annual*
2022	\$0.44 E	\$0.51 E	\$0.59 E	\$0.58 E	\$2.12 E
2021	\$0.35 A	\$0.43 A	\$0.45 E	\$0.45 E	\$1.67 E
2020	\$0.34 A	\$0.38 A	\$0.41 A	\$0.40 A	\$1.52 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 08/31/2020. The reports text is as of 09/01/2020.

Overview

Headquartered in Flynn Road Camarillo, CA, Semtech Corporation designs, manufactures and markets a wide range of analog and mixed-signal semiconductors for commercial applications.

The product line comprises Signal Integrity Products, Protection Products, Power and High-Reliability Products, Wireless and Sensing Products, and Systems Innovation Group.

The company's devices are used in a variety of applications including computer, communications, industrial, military-aerospace and automotive. The company also provides a limited amount of wafer foundry services to other electronic component manufacturers.

Semtech has manufacturing facilities in Irvine, Camarillo and San Diego in California, Reynosa in Mexico and Neuchâtel in Switzerland.

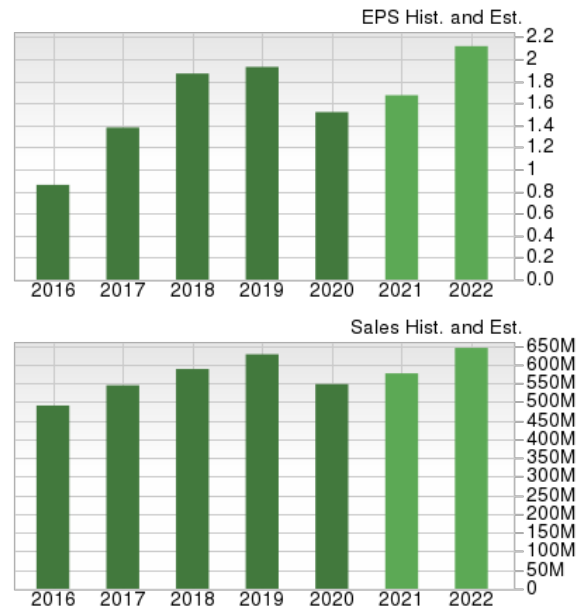
In fiscal 2020, the company generated \$547.5 billion in revenues, which was derived from four end markets—Enterprise Computing (31% of fiscal 2020 revenue), Industrial and Other (26%), High-End Consumer (26%), Communications (18%).

In Enterprise Computing market, the company caters to the demand for products needed in data centers, monitors, desktops, notebook, passive optical networks, servers and other computer peripherals.

In Communications market, Semtech takes care of the needs of wireless LAN, base stations, cable modems, optical networks, carrier networks, switches and routers. It also caters to the demand for equipment required in other communication infrastructures.

The company serves the requirements needed in tablets, wearables, digital video recorders, handheld products, wireless charging, set-top boxes, smartphones, digital televisions, monitors and displays in high-end Consumer market.

Further, equipment requirements in smart grid, wireless charging, military and aerospace, medical, security systems, automotive, industrial and home automation analog and digital video broadcast equipment, video-over-IP solutions, automated meter reading and Internet of Things are taken care of by Semtech in its Industrial end-market.



Source: Zacks Investment Research

Reasons To Sell:

- ▼ Semtech's end markets, especially the high-end consumer and industrial, experience **seasonality**. These end markets experience weaker demand in the first and fourth quarters, relative to second and third quarters. The seasonality causes considerable fluctuations in revenues and profits and makes forecasting difficult.
- ▼ Semtech operates in an intensely **competitive market** where its success depends on new product development capacity, capacity to recruit and retain industry experts and marketing efficiency. Some of the major competitors of the company include ON Semiconductor, Texas Instruments, Maxim Integrated Products, Broadcom Limited, Microsemi Corporation, Cypress Semiconductor Corp and Monolithic Power Systems. The market is characterized by lower entry barriers and frequent technological improvements that increase the chances of price competition. Pricing pressure makes Semtech susceptible to reduced sales and lower margins.
- ▼ The nature of business makes Semtech vulnerable to **foreign exchange risk**. A significant part of the company's assets exist in non-U.S. dollar-denominated currencies such as the Swiss franc, euro, British pound sterling, Canadian dollars, Mexican peso and Japanese yen. Thus, appreciation or depreciation of the U.S. dollar versus these foreign currencies could impact the company's financial results.

Major headwinds for Semtech are seasonality, a competitive market and foreign exchange risk.

Risks

- Semtech has a **specific focus on fast-growing segments and regions**. The company has been targeting analog/mixed signal sub-segments of some of the most potential and fast growing end markets. The enterprise computing, industrial, communications and high-end consumer markets are characterized by a number of trends such as increasing bandwidth over high-speed networks, growing need for more efficient energy management in home and industrial settings, increasing electronic system requirements for mobile devices, rising demand for Internet connectivity to low power sensors and propagation of green standards. All these trends are driving demand for Semtech's products.
 - Semtech **acquired AptoVision**, a privately held company that provides algorithms for transporting video over Internet protocol (IP). The acquisition is expected to strengthen Semtech's position in the video over IP Pro AV space in the long-term. This market is expected to expand significantly over the years to come driven by an increase in video consumption and distribution across a large number of industrial applications including education, transport, medical and retail.
 - The company carries on **product differentiation and price competition** simultaneously. While there is continuous focus on creating new, unique and proprietary products that add performance and value, they are priced competitively. Semtech continues to attain design wins with new and existing customers, which in turn underscores its strong growth potential. Further, outsourcing provides operational flexibility to Semtech. The company outsources the major part of its manufacturing so that it can better focus on designing, developing and marketing functions. The company's primary wafer foundries are located in the U.S. China and Israel. Outsourcing leads to capital efficiency and technological flexibility and at the same time reduces investment risk.
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Last Earnings Report

Semtech Q2 Earnings & Revenues Surpass Estimates

Semtech Corporation's fiscal second-quarter 2021 non-GAAP earnings of 43 cents per share surpassed the Zacks Consensus Estimate by a penny. The reported earnings increased 22.9% sequentially and 13.2% year over year.

Non-GAAP revenues of \$143.7 million increased 8% sequentially and 5% from the prior-year quarter. The increase was driven by strength in the Signal Integrity products group. Strong growth from the Hyperscale data center and 5G wireless base station markets also aided the growth.

Revenues surpassed the Zacks Consensus Estimate by 1.1%.

Management remains optimistic about the LoRa business amid the COVID-19 pandemic. As LoRa is ideally suited for applications such as contact tracing, distance tracking, hygiene and health monitoring, as well as occupancy management, the company expects to see further growth in the LoRa business.

Its key growth drivers are product differentiation, operational flexibility, and specific focus on fast-growing segments and regions.

Let's delve into the numbers in detail:

Revenues by End Market

Sales to the infrastructure end market (including enterprise computing and communications end markets) — which represented 47% of its total revenues — increased 18% on a sequential basis and 37% year over year, driven by a strong rebound in PON demand.

However, revenues from the industrial market increased 12% sequentially and represented 31% of total net revenues.

Also, sales to the high-end consumer market represented 22% of total revenues and decreased 11% sequentially. Roughly 14% of high-end consumer revenues were attributed to mobile devices and 8% to other consumer systems.

Revenues by Product Group

Signal Integrity Product Group revenues contributed 50% to total sales. The reported figure increased 20% sequentially and 30% from the prior year. The increase was driven by persistently strong hyperscale data center customer addition and solid demand for 10 gig PON products.

Revenues from its Protection Product Group represented 23% of the total revenues. The figure was down 17% sequentially due to COVID-19-related issues.

Wireless and Sensing Product Group revenues, which contributed 27% to total revenues, increased 18% sequentially. The increase was driven by record net sales of LoRa platform products.

Bookings

Net bookings decreased sequentially but resulted in a book to bill above 1. POS bookings accounted for approximately 21% of shipments during the quarter.

Margins and Net Income

Non-GAAP gross margin was 61.4%, up 50 basis points (bps) sequentially but down 50 bps from the year-ago quarter. The sequential increase was due to a higher mix of infrastructure revenues.

Semtech's adjusted selling, general and administrative expenses decreased 8.3% year over year to \$27.9 million. However, product development and engineering expenses increased 11.7% from the year-ago quarter to \$26.1 million.

As a result, its operating margin of 24.2% was up 300 bps sequentially and 130 bps year over year.

Balance Sheet & Cash Flow

Semtech ended the quarter with cash and cash equivalents of \$281.5 million versus \$268.9 million in the fiscal first quarter. Accounts receivables were \$51.7 million, up from \$49.5 million in the fiscal first quarter. Long-term debt was \$187 million, down from \$190.8 million in the fiscal first quarter.

For the quarter, cash flow from operations was \$37.2 million, capital expenditure amounted to \$7 million and free cash flow totaled \$30.2 million.

During the quarter, the company repurchased 233,000 shares for \$12.4 million.

Guidance

For fiscal third-quarter 2021, management expects revenues in the range of \$145-\$155 million.

Non-GAAP gross profit margin is expected within 61-62%. Management projects SG&A expenses within \$29-\$30 million, and research and development costs in the range of \$25-\$26 million. Non-GAAP earnings per share are expected in the range of 43-49 cents.

Quarter Ending	07/2020
Report Date	Aug 26, 2020
Sales Surprise	1.13%
EPS Surprise	2.38%
Quarterly EPS	0.43
Annual EPS (TTM)	1.59

Recent News

On **Jun 22, 2020**, Semtech announced that Everynet has used the geolocation and asset tracking capabilities of the company's Low power, high Range (LoRa) devices.

The LoRaWAN technology and related devices have been used to track runners in real time over hundreds of kilometers. This enables the race organizers to get accurate data, which helps them prevent injuries among the runners and keep them safe, ensuring that the event turns out to be a successful one.

On **Apr 8, 2020**, Semtech announced that Polysense Technologies Inc. has unveiled a series of smart human body temperature monitoring products based on Semtech's LoRa devices. These products are expected to help public health officials to efficiently monitor the temperature of the public in places like airports, railway stations, schools, shopping centers and large building entrances.

Valuation

Semtech shares are up 10.8% in the year-to-date period and 39.7% over the trailing 12-month period. Stocks in the Zacks sub-industry is up 6.6% and the Zacks Computer & Technology sector is up 28.6% in the year-to-date period. Over the past year, the Zacks sub-industry is up 23.6% and the sector is up 44.3%, respectively.

The S&P 500 index is up 9% in the year-to-date period and up 20.2% in the past year.

The stock is currently trading at 38.29X forward 12-month earnings, which compares to 27.5X for the Zacks sub-industry, 24.36X for the Zacks sector and 22.69X for the S&P 500 index.

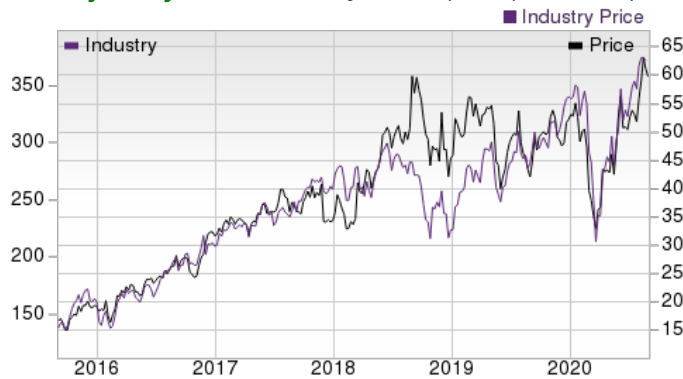
Over the past five years, the stock has traded as high as 74.04X and as low as 12.91X, with a 5-year median of 26.3X. Our Underperform recommendation indicates that the stock will perform worse than the market. Our \$50 price target reflects 28.61X forward 12-month earnings.

The table below shows summary valuation data for SMTC

Valuation Multiples - SMTC					
		Stock	Sub-Industry	Sector	S&P 500
P/E F12M	Current	30.27	25.51	27.77	22.69
	5-Year High	74.04	27.04	27.77	22.69
	5-Year Low	13.75	13.42	16.72	15.25
	5-Year Median	26.73	18.19	19.7	17.52
P/S F12M	Current	5.21	4.41	3.61	3.34
	5-Year High	6.34	4.52	3.61	3.44
	5-Year Low	1.9	2.81	2.32	2.53
	5-Year Median	3.8	3.7	3.1	3.01
EV/EBITDA TTM	Current	23.15	11.58	11.62	10.91
	5-Year High	27.03	14.24	12.71	12.86
	5-Year Low	6.8	8.14	7.56	8.26
	5-Year Median	15.64	11.61	10.68	10.78

As of 08/31/2020

Industry Analysis Zacks Industry Rank: Top 33% (83 out of 251)



Top Peers

Company (Ticker)	Rec	Rank
Inphi Corporation (IPHI)	Outperform	3
Maxim Integrated Products, Inc. (MXIM)	Outperform	2
Silicon Laboratories, Inc. (SLAB)	Outperform	2
Microchip Technology Incorporated (MCHP)	Neutral	3
Monolithic Power Systems, Inc. (MPWR)	Neutral	3
MACOM Technology Solutions Holdings, Inc. (MTSI)	Neutral	3
MagnaChip Semiconductor Corporation (MX)	Neutral	2
MaxLinear, Inc (MXL)	Neutral	3

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

Industry Comparison Industry: Semiconductor - Analog And Mixed				Industry Peers		
	SMTC	X Industry	S&P 500	IPHI	MPWR	MTSI
Zacks Recommendation (Long Term)	Underperform	-	-	Outperform	Neutral	Neutral
Zacks Rank (Short Term)	5	-	-	3	3	3
VGM Score	D	-	-	B	C	B
Market Cap	3.82 B	7.35 B	23.72 B	5.92 B	12.00 B	2.38 B
# of Analysts	7	9	14	9	8	7
Dividend Yield	0.00%	0.00%	1.65%	0.00%	0.75%	0.00%
Value Score	F	-	-	D	F	F
Cash/Price	0.07	0.08	0.07	0.04	0.04	0.11
EV/EBITDA	39.75	20.55	13.28	104.10	91.95	-10.01
PEG F1	2.81	2.41	3.03	0.91	2.41	NA
P/B	5.64	5.34	3.17	15.73	14.13	8.72
P/CF	38.23	21.56	12.87	53.31	91.13	34.51
P/E F1	35.12	34.73	21.63	34.40	60.37	37.00
P/S TTM	6.88	5.84	2.53	11.56	17.45	4.81
Earnings Yield	2.85%	2.88%	4.39%	2.90%	1.66%	2.69%
Debt/Equity	0.28	0.74	0.70	1.30	0.00	2.50
Cash Flow (\$/share)	1.53	2.82	6.93	2.14	2.93	1.03
Growth Score	B	-	-	A	A	A
Historical EPS Growth (3-5 Years)	10.72%	11.10%	10.41%	-28.95%	26.53%	-48.55%
Projected EPS Growth (F1/F0)	10.06%	8.22%	-4.75%	105.80%	14.05%	432.02%
Current Cash Flow Growth	-28.03%	-10.25%	5.22%	69.41%	5.71%	-30.98%
Historical Cash Flow Growth (3-5 Years)	-5.21%	22.53%	8.49%	45.61%	20.59%	-8.89%
Current Ratio	4.45	2.54	1.35	2.35	5.47	4.74
Debt/Capital	21.62%	42.20%	42.92%	56.58%	0.00%	71.40%
Net Margin	8.34%	3.58%	10.25%	-14.44%	18.60%	-11.20%
Return on Equity	9.25%	10.54%	14.66%	10.23%	15.41%	2.57%
Sales/Assets	0.53	0.50	0.50	0.52	0.70	0.44
Projected Sales Growth (F1/F0)	5.25%	2.54%	-1.40%	86.01%	20.05%	7.36%
Momentum Score	C	-	-	A	B	A
Daily Price Change	-1.73%	-1.84%	-0.82%	1.27%	-0.86%	-2.38%
1-Week Price Change	-2.21%	2.45%	2.59%	-0.99%	-1.21%	-1.03%
4-Week Price Change	2.55%	-0.10%	3.55%	-15.71%	-0.49%	-16.15%
12-Week Price Change	8.19%	4.50%	-0.44%	3.03%	16.33%	5.96%
52-Week Price Change	39.74%	24.31%	2.80%	86.27%	77.42%	81.42%
20-Day Average Volume (Shares)	518,297	738,454	1,839,384	958,611	249,052	433,019
EPS F1 Estimate 1-Week Change	-10.19%	0.00%	0.00%	0.00%	0.00%	10.18%
EPS F1 Estimate 4-Week Change	-10.19%	1.46%	0.20%	78.35%	0.00%	10.18%
EPS F1 Estimate 12-Week Change	-10.19%	15.55%	3.87%	78.35%	6.84%	110.78%
EPS Q1 Estimate Monthly Change	-13.83%	0.00%	0.00%	107.57%	0.00%	0.00%

Source: Zacks Investment Research

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	F
Growth Score	B
Momentum Score	C
VGM Score	D

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

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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 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.