

Recommendation



Price

12-Mo. Target Price \$17.30 (as of Aug 11, 2017 4:00 PM ET) \$20.00

Report Currency USD

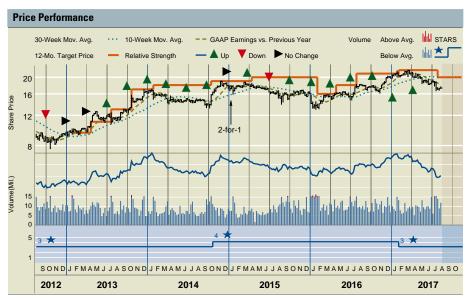
Investment Style Mid-Cap Growth

Equity Analyst E. Levy-CFA

GICS Sector Consumer Discretionary Sub-Industry Auto Parts & Equipment Summary This company manufactures automatic-dimming rearview mirrors for the automotive industry and fire protection products for commercial applications.

Key Stock Statistics (Source CFRA, S&P Global Market Intelligence, Vickers, company reports)

52-Wk Range	\$22.12-16.06	Oper. EPS 2017 E	1.26	Market Capitalization(B)	\$4.940	Beta	1.33
Trailing 12-Month EPS	\$1.26	Oper. EPS 2018 E	1.37	Yield (%)	2.31	3-Yr. Proj. EPS CAGR(%)	12
Trailing 12-Month P/E	13.7	P/E on Oper. EPS 2017 E	13.7	Dividend Rate/Share	\$0.40	S&P Quality Ranking	A+
\$10K Invested 5 Yrs Ago	\$21,666	Common Shares Outstg. (M)	285.5	Institutional Ownership (%)	81		



Past performance is not an indication of future performance and should not be relied upon as such.

Analysis prepared by Equity Analyst E. Levy-CFA on Jul 21, 2017 03:18 PM, when the stock traded at \$17.64.

Highlights

- ➤ We expect 2017 revenues to rise about 8.0% on aggregate higher U.S., European, Japanese, and Korean mirror sales, increased dimmable airplane windows sales, and ongoing benefits from the HomeLink acquisition. We expect revenues to advance on greater penetration, even as U.S. production declines; Europe, Japan, and Korea production should rise. The company revenues are likely to outpace global industry production volume, helped by increased content per vehicle. Fire protection revenues likely will not change meaningfully. We expect growth in dimmable airplane windows, albeit from a tiny but expanding base, as production of the Boeing 787 Dreamliner increases. We expect 7% revenue growth in 2018.
- ➤ We project narrower operating margins for 2017, as price reductions and unfavorable currency outweigh cost cutting and operating leverage. Contributions to other income from realized equity gains should rise this year.
- ➤ We see GNTX as a beneficiary of possible federal tax rate policy changes. We expect EPS will increase to \$1.26 in 2017 and \$1.37 in 2018. GNTX's strategy for growth includes adding features to interior and exterior auto mirrors.

Investment Rationale/Risk

- > GNTX recently traded at a premium to the peer average based on 2017 EPS estimates, but at a discount to the S&P MidCap 400 Index. We think a premium to peers is warranted by GN-TX's historical ability to generate more consistent growth than peers, and also given new U.S. Department of Transportation rules regarding expanding the required field of view to detect objects directly behind vehicles.
- > Risks to our recommendation and target price include lower production or demand for vehicles, especially those with relatively high GNTX product content, lower average selling prices and a weaker-than-expected mix or penetration of new products. Another risk is a move by customers away from mirror-based displays to alternate in-vehicle display locations.
- > Our 12-month target price of \$20 is derived by applying a multiple of 14.6X our 2018 estimate, below GNTX's three-year average forward P/E and toward the lower part of GNTX's sevenyear historical range. We see slowing nearterm growth, but we see trends supportive of increased Gentex content. We expect EPS accretion from the HomeLink acquisition.

Analyst's Risk Assessment

LOW	MEDIUM	HIGH

Our risk assessment reflects the cyclical nature of GNTX's markets and its dependence on certain customers, offset by the absence of long-term debt on its balance sheet.

Revenue/Earnings Data

Revenue	(Million	\$
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	10	20	30	40.	Year
2017	453.5	443.1			
2016	405.6	423.8	429.6	419.9	1,679
2015	368.9	379.3	389.8	405.6	1,544
2014	335.7	338.4	350.9	350.4	1,376
2013	269.5	287.0	288.6	326.8	1,172
2012	290.7	280.3	268.3	260.4	1,100

Earnings Per Share (\$)

2017	0.33	E 0.32	E 0.30	E 0.32	E 1.26
2016	0.28	0.30	0.32	0.31	1.19
2015	0.26	0.25	0.27	0.30	1.08
2014	0.24	0.26	0.25	0.24	0.98
2013	0.16	0.18	0.19	0.24	0.78
2012	0.16	0.14	0.15	0.14	0.58

Fiscal year ended Dec. 31. Next earnings report expected: Late October. EPS Estimates based on CFRA Operating Earnings; historical GAAP earnings are as reported in Company reports.

Dividend Data

Amount (\$)	Date Decl.	Ex-Div. Date	Stk. of Record	Payment Date
0.090	Aug 31	Oct 5	Oct 7	Oct 19 '16
0.090	Nov 30	Jan 4	Jan 6	Jan 18 '17
0.090	Mar 6	Apr 5	Apr 7	Apr 19 '17
0.100	May 18	Jul 3	Jul 6	Jul 19 '17

Dividends have been paid since 2003. Source: Company reports

Past performance is not an indication of future performance and should not be relied upon as such

CFRA POWERED BY SAP GLOBAL

Business Summary July 21, 2017

CORPORATE OVERVIEW. Gentex Corp. develops, manufactures and markets proprietary electro-optic products, including electrochromic, automatic-dimming automotive rearview mirrors, and a line of fire protection products primarily for the commercial building industry. With an approximately 92% market share in auto-dimming rearview mirrors in 2016, up from 91% in 2015, 90% in 2014 and 88% in 2013, GNTX is viewed to be the dominant supplier to the automotive industry.

The company ships interior mirrors as well as flat, convex and aspheric sub-assemblies for exterior use. In 2016, it sold 36.1 million mirrors, up from 2015's 33.0 million.

GNTX's line of fire protection products consists of approximately 55 different models of smoke alarms and smoke detectors, and more than 100 different models of signaling appliances.

The company and PPG Aerospace work together to provide variably dimmable windows for the passenger compartment of Boeing's 787 Dreamliner aircraft.

Regionally, North America accounted for 43% of auto-dimming mirror shipment units in 2016. Europe (mostly Germany) and Asia-Pacific accounted for the balance.

CORPORATE STRATEGY. The company seeks to expand revenues via new models, greater penetration of existing markets and adding exterior mirrors. It seeks to be first to market new technologies and improve its manufacturing capabilities.

We expect the company to expand in Europe and Asia and to add features for mirrors. We also see the company continuing to focus on research and development for new technologies.

In September 2013, Gentex acquired HomeLink from Johnson Controls (JCI) for \$700 million. Gentex funded the transaction from cash on hand and by issuing debt.

MARKET PROFILE. We forecast higher global vehicle production in 2017, with production trends varying by country. U.S. new light vehicle production should decrease. We project higher production in Asia, and expect improved U.S. automotive replacement parts market demand.

POTENTIAL CATALYSTS. The Kids Transportation Safety Act of 2007 was signed into law in February 2008. The law revises federal standards to expand the field of view so that drivers can detect objects directly behind vehicles. We think the company, with its rear camera display (RCD) mirror, is a potential beneficiary of the Act, as it could require additional vehicle mirrors, sensors or cameras. However, we think any significant related revenues are likely years away (2018). In December 2010, the U.S. Department of Transportation proposed rules regarding the required field of view to detect objects directly behind vehicles. Further updates to the Act have been repeatedly delayed, but a final rule was announced March 31, 2014. We think sales of Gentex's rear camera display mirrors would increase if new rules are enforced.

Proposed new legislation should help increase demand for rear camera display mirrors, but could also shift customers to competitors' display options.

With relatively little long-term debt, in our view, Gentex could use its free cash flow to repurchase common shares and/or increase its cash dividend.

Corporate Information

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Officers

Chrmn & CEO Chief Acctg Officer

F.T. Bauer K.C. Nash

COO Secy P.V. Flynn S. Ryan

SVP & CFO S.R. Downing

Board Members

F. T. Bauer L. Brown
G. F. Goode P. Hoekstra
J. A. Hollars J. Mulder
R. O. Schaum F. A. Sotok

J. Wallace

Domicile Auditor

Michigan ERNST & YOUNG

Founded

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Employees 5,315

Stockholders

2,286



Quantitative Evaluations					Expand	led Ratio Ana	alysis				
Fair Value 5 Rank	LOWEST Based on CFRA's propriete ranked from most overvalue				Price/Sa Price/EB Price/Pr P/E Ratio	SITDA etax Income		2016 3.41 9.55 11.23 16.49	2015 3.07 8.79 10.23 14.89	2014 3.87 11.16 12.80 18.42	2013 4.06 12.86 14.50 21.34
Fair Value \$22.90 Calculation	Analysis of the stock's cur quantitative model sugges 32.4%.				Avg. Dilu	ited Shares (sed on calendar)	•	291.1	296.2	294.3	288.5
Investability Quotient	LOWEST = 1			98 GHEST = 100	Key Gro	owth Rates a	and Averages				
Percentile	GNTX scored higher than sis available.	98% of all compa			Past Gro Sales Net Inco	wth Rate (%	b)	1 Year 8.77 9.14	3 Years 12.68 15.38	5 Years 11.00 18.37	9 Years 13.31 19.80
Volatility	LOW	AVERAGE	Н	IGH			1.0	0.14	10.00	10.07	10.00
Technical BEARISH Evaluation	Since April, 2017, the tech BEARISH.	nical indicators fo	or GNTX hav	ve been	Net Mar % LT De	alysis (Annu gin (%) bt to Capitali n Equity (%)	-	20.70 8.50 19.14	20.77 11.36 19.46	19.33 10.14 18.46	16.83 6.33 15.96
Insider Activity	UNFAVORABLE	NEUTRAL	FAV0	RABLE							
Company Financials Fis	cal Year Ended Dec. 31										
Per Share Data (\$) Tangible Book Value Cash Flow Earnings Core Earnings Dividends Payout Ratio Prices:High Prices:Low P/E Ratio:High P/E Ratio:Low Income Statement Analys Revenue Operating Income Depreciation Interest Expense Pretax Income Effective Tax Rate Net Income Core Earnings		17 11 1,679 600 88.6 5.64 511	2015 3.66 1.35 1.08 NA 0.49 45% 18.80 13.84 17 13 1,544 539 80.6 5.48 464 81.3% 318 NA	2014 3.03 1.24 0.98 NA 0.30 31% 19.06 13.17 19 13 1,376 476 77.4 NA 415 30.5% 289 NA	2013 2.16 0.99 0.78 NA 0.28 35% 17.08 9.06 22 12 1,172 370 62.9 NA 328 32.1% 223 NA	2012 3.82 0.76 0.58 NA 0.26 44% 15.70 7.19 27 12 1,100 290 50.2 Nil 250 32.5% 169 NA	2011 3.52 0.72 0.57 NA 0.24 41% 17.67 10.92 31 19 1,024 276 42.6 Nil 244 32.6% 165 NA	2010 3.10 0.63 0.49 NA 0.22 45% 15.18 8.27 31 17 816 230 38.6 Nil 203 32.3% 138 NA	2009 2.62 0.38 0.24 NA 0.22 94% 9.18 3.51 39 15 545 133 38.4 NA 96.4 32.9% 64.6 NA	2008 2.51 0.35 0.22 NA 0.21 95% 9.73 3.25 44 15 624 144 35.9 Nil 92.2 32.7% 62.1 NA	2007 2.79 0.54 0.43 NA 0.20 46% 11.30 7.43 27 17 654 174 32.4 Nil 180 32.1% 122 NA
Balance Sheet & Other Ficash Current Assets Total Assets Current Liabilities Long Term Debt Common Equity Total Capital Capital Expenditures Cash Flow Current Ratio % Long Term Debt of Capi % Net Income of Revenue % Return on Assets % Return on Equity	talization	724 1,155 2,310 150 178 1,910	556 984 2,149 131 226 1,723 1,956 97.9 399 7.5 11.5 20.6 15.3 19.3	497 857 2,023 133 258 1,571 1,837 72.5 366 6.4 14.1 21.0 15.2 19.9	310 601 1,764 120 266 1,328 1,601 55.4 286 5.0 16.6 19.0 14.7	450 745 1,266 88.0 Nil 1,121 1,121 117 219 8.5 Nil 15.3 13.8 15.7	419 752 1,176 101 Nil 1,027 1,027 120 207 7.5 Nil 16.1 15.1 17.2	435 655 1,003 72.1 Nil 894 46.9 176 9.1 Nil 16.9 15.1	353 505 823 58.6 NA 736 736 21.1 103 8.6 Nil 11.9 8.2 9.0	323 457 763 49.5 Nil 699 714 45.5 98.0 9.2 Nil 10.0 7.5	398 528 898 68.4 Nil 807 830 54.5 155 7.7 Nil 18.7 14.5

Data as originally reported in Company reports.; bef. results of disc opers/spec. items. Per share data adj. for stk. divs.; EPS diluted. E-Estimated. NA-Not Available. NM-Not Meaningful. NR-Not Ranked. UR-Under Review

CFRA powered by cancel by

Sub-Industry Outlook

Our fundamental outlook for the auto parts and equipment sub-industry for the next 12 months is positive, reflecting our expectations for plateauing demand but a favorable mix in the U.S. and rising demand abroad, including China. We think European production will improve again in 2017, but currency swings should hurt reported results in U.S. dollars. We think profits should benefit from higher U.S. and international vehicle production.

We estimate 2017 U.S. light vehicle sales will soften about 1.75% to 17.16 million units, down from 2016's record volume. For 2017, we expect gains in most other regions too. Rising prosperity in emerging markets, led by China, should drive global demand growth and European demand should rise, partly offset by declines in some emerging markets. We think higher global volume will help corporate profits and cash flows. Currency swings will impact companies' profitability. Positive factors we see in the U.S. include widely available access to consumer credit, high consumer confidence and employment, a strong stock market, and relatively low and stable gas prices. The average vehicle is now about 11.5 years old, an industry record. A rebound in commodity prices could be a headwind for margins. The strong dollar should hurt those with exposure to sales denominated in weaker currencies.

We forecast higher global vehicle production in 2017, with production trends varying by country. U.S. new light vehicle production should decrease, but Europe's should rise. We project higher production Asia, led by China, and we expect improved U.S. automotive replacement parts market demand. We expect global volume to rise in 2017.

Many auto parts suppliers are increasing their revenues generated outside the U.S. Emerging

markets are becoming more attractive to parts manufacturers due to lower labor costs for manufacturing and engineering and/or due to growing demand in local and regional markets. Over time, we expect some domestic parts suppliers to increase penetration of import brands, which are shifting more of their production to the U.S.

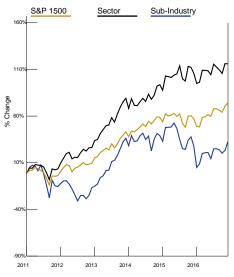
Year to date through June 16, the S&P Auto Parts Equipment Index rose 10.1%, compared to an 8.2% increase in the S&P 1500 Index. In 2016, the S&P Auto Parts & Equipment Index rose 3.5%, compared to a 10.6% increase for the S&P 1500 Index.

-- Efraim Levy, CFA

Industry Performance

GICS Sector: Consumer Discretionary Sub-Industry: Auto Parts & Equipment

Based on S&P 1500 Indexes Five-Year market price performance through Aug 12, 2017



NOTE: All Sector & Sub-Industry information is based on the Global Industry Classification Standard (GICS)

Past performance is not an indication of future performance and should not be relied upon as such.

Sub-Industry: Auto Parts & Equipment Peer Group*: Automobile Original Equipment - Smaller Cos.

		Stk.Mkt.	Recent	52				Fair	S&P		Return on	LTD to
	Stock	Cap.	Stock	Week		Yield	P/E	Value	Quality	10	Revenue	Cap
Peer Group	Symbol	(Mil. \$)	Price(\$)	High/Low(\$)	Beta	(%)	Ratio	Calc.(\$)	Ranking	%ile	(%)	(%)
Gentex Corp	GNTX	4,940	17.30	22.12/16.06	1.33	2.3	14	22.90	A+	98	20.7	8.5
Shiloh Industries	SHLO	140	7.87	16.69/6.50	0.97	Nil	21	NA	B-	18	0.3	66.0
Stoneridge Inc	SRI	455	16.29	20.82/13.42	2.86	Nil	6	NA	B-	86	11.1	27.7
Strattec Security	STRT	118	32.80	48.86/23.00	1.08	1.7	20	NA	В	73	2.3	11.5

NA-Not Available NM-Not Meaningful NR-Not Rated. *For Peer Groups with more than 15 companies or stocks, selection of issues is based on market capitalization.

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Analyst Research Notes and other Company News

July 21, 2017

11:09 am ET ... CFRA MAINTAINS HOLD OPINION ON SHARES OF GENTEX CORP. (GNTX 17.12***): We reduce our 12-month target by \$2 to \$20, or 14.6X our '18 EPS estimate of \$1.37 (down \$0.08), on historical and peer P/E analysis. We lower our '17 EPS forecast from \$1.31 to \$1.26. We see favorable vehicle content trends aiding GNTX's growth rate in international markets, even as U.S. industry volume declines. GNTX posts $\Omega 2$ EPS of \$0.31 vs. \$0.30, \$0.01 less than our estimate, hurt by slightly softer-than expected revenue growth and a weaker mix. Operating margins were hurt by price cuts and a lack of operating leverage. GNTX saw equity gains versus year-ago losses. /E. Levy-CFA

April 21, 2017

11:50 am ET ... CFRA MAINTAINS HOLD OPINION ON SHARES OF GENTEX CORP. (GNTX 20.74***): Our 12-month target of \$22 is 16.8X our '17 EPS estimate of \$1.31 (down \$0.01), on historical and peer P/E analysis. We expect favorable vehicle content trends to aid GNTX's growth rate in international markets, even amid a slowing U.S. market. Q1 EPS of \$0.33 vs. \$0.28, is \$0.01 higher than our estimate, and \$0.02 above the consensus, helped by discrete tax items of \$0.02. Revenues were 1.7% better than consensus. Operating margins eased as price cuts outweighed a combination of favorable mix and operating leverage, and realized equity gains versus year-ago losses. /E. Levy-CFA

October 20, 2016

03:18 pm ET ... CFRA KEEPS BUY OPINION ON SHARES OF GENTEX CORP. (GNTX 17.17****): Our 12-month target of \$21 is 16X our '17 EPS estimate of \$1.32, based on historical and peer P/E analysis. We see potential favorable content trends helping GNTX's growth rate exceed its regional markets, even as U.S. industry growth slows. 03 EPS of \$0.32 vs. \$0.27, is in line with our estimate, but \$0.02 above the Capital IQ consensus on slightly better-than-expected revenues. Favorable mix and operating leverage outweighed price reductions, and realized equity gains versus year-ago losses, helped operating margins. We see the company's ongoing share repurchases helping EPS. /E. Levy-CFA

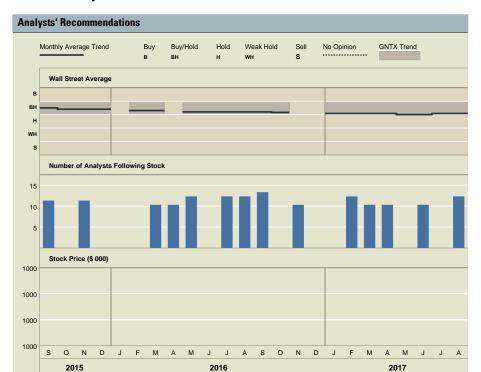
July 22, 2016

12:47 pm ET ... S&P GLOBAL REITERATES BUY OPINION ON SHARES OF GENTEX CORP. (GNTX 17.09****): We raise our 12-month target by \$3 to \$21, or 16X our '17 EPS estimate of \$1.32 (up \$0.03), based on historical and peer P/E analysis. We see potential favorable content trends helping GNTX grow at a faster pace than its regional markets, even as U.S. industry growth slows. We increase '16's forecast by \$0.03 to \$1.21. GNTX posts Q2 EPS of \$0.30 vs. \$0.25, \$0.01 above the Capital IQ consensus estimate, on better-than-expected revenues. Favorable mix and operating leverage outweighed price reductions and realized equity losses versus year-ago gains, helping operating margins. /E. Levy-CFA

April 22, 2016

01:04 pm ET ... S&P CAPITAL IQ REITERATES BUY OPINION ON SHARES OF GENTEX CORP. (GNTX 15.86****): We raise our 12-month target by \$2 to \$18, or 14X our '17 EPS estimate of \$1.29 (cut \$0.02), based on historical and peer P/E analysis, amid slowing US industry growth. We increase '16's forecast by \$0.02 to \$1.18. GNTX posts Q1 EPS of \$0.28 vs. \$0.26, in line with the Capital IQ consensus estimate, on slightly better-than-expected revenues. Operating margins were helped by favorable operating leverage outweighing annual price reductions, but realized equity gains decreased. We see gains in North America, Europe, Japan and Korea production helping GNTX revenue grow 9% in '16. /E. Levy-CFA

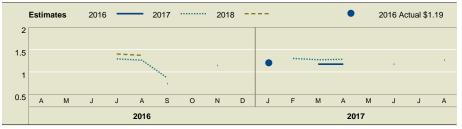




Of the total 13 companies following GNTX, 13 analysts currently publish recommendations.

	No. of	% of Total	1 Mo. Prior	3 Mos. Prior
	Recommendations			
Buy	4	31	4	0
Buy/Hold	2	15	2	0
Hold	4	31	4	0
Weak Hold	1	8	1	0
Sell	1	8	1	0
No Opinion	1	8	1	0
Total	13	100	13	0

Wall Street Consensus Estimates



Fiscal Years	Avg Est.	High Est.	Low Est.	# of Est. 13 12 A 8%	Est. P/E
2018	1.38	1.46	1.29		12.5
2017	1.27	1.32	1.23		13.6
2018 vs. 2017	▲ 9%	▲ 11%	▲ 5%		▼ -8%
Q3'18	0.35	0.34	0.34	5	49.4
Q3'17	0.31	0.33	0.28	11	55.8
Q3'18 vs. Q3'17	13 %	▲ 3 %	1 %	▼ -55 %	▼ -11%

A company's earnings outlook plays a major part in any investment decision. S&P Global Market Intelligence organizes the earnings estimates of over 2,300 Wall Street analysts, and provides their consensus of earnings over the next two years, as well as how those earnings estimates have changed over time. Note that the information provided in relation to consensus estimates is not intended to predict actual results and should not be taken as a reliable indicator of future performance.

Wall Street Consensus Opinion

BUY/HOLD

Companies Offering Coverage

BMO Capital Markets Equity Research
BofA Merrill Lynch
Buckingham Research Group Inc.
Craig-Hallum Capital Group LLC
FBR Capital Markets & Co.
Great Lakes Review
JP Morgan
KGI Securities Co. Ltd.
KeyBanc Capital Markets Inc.
Morningstar Inc.
Robert W. Baird & Co.
Susquehanna Financial Group, LLLP
Wells Fargo Securities, LLC

Wall Street Consensus vs. Performance

For fiscal year 2017, analysts estimate that GNTX will earn US\$ 1.27. For the 2nd quarter of fiscal year 2017, GNTX announced earnings per share of US\$ 0.31, representing 24% of the total annual estimate. For fiscal year 2018, analysts estimate that GNTX's earnings per share will grow by 9% to US\$ 1.38.

Glossary

STARS

Since January 1, 1987, CFRA Equity and Fund Research Services, and its predecessor S&P Capital IQ Equity Research has ranked a universe of U.S. common stocks, ADRs (American Depositary Receipts), and ADSs (American Depositary Shares) based on a given equity's potential for future performance. Similarly, we have ranked Asian and European equities since June 30, 2002. Under proprietary STARS (STock Appreciation Ranking System), equity analysts rank equities according to their individual forecast of an equity's future total return potential versus the expected total return of a relevant benchmark (e.g., a regional index (S&P Asia 50 Index, S&P Europa 3500 Index or S&P 5000 Index)), based on a 12 month time horizon STARS Europe 350® Index or S&P 500® Index)), based on a 12-month time horizon. STARS was designed to meet the needs of investors looking to put their investment decisions in perspective. Data used to assist in determining the STARS ranking may be the result of the analyst's own models as well as internal proprietary models resulting from dynamic data inputs.

S&P Capital IQ Quality Ranking

(also known as S&P Capital IQ Earnings & Dividend Rankings) - Growth and stability of earnings and dividends are deemed key elements in establishing S&P Capital IQ's earnings and dividend rankings for common stocks, which are designed to capsulize the nature of this record in a single symbol. It should be noted, however, that the process also takes into consideration certain adjustments and modifications deemed desirable in establishing such rankings. The final score for each stock is measured against a scoring matrix determined by analysis of the scores of a large and representative sample of stocks. The range of scores in the array of this sample has been aligned with the following ladder of rankings:

Highest В Below Average

High B-Lower Above Average Lowest

Average In Reorganization

NR Not Ranked

EPS Estimates

CFRA's earnings per share (EPS) estimates reflect analyst projections of future EPS from continuing operations, and generally exclude various items that are viewed as special, non-recurring, or extraordinary. Also, EPS estimates reflect either forecasts of equity analysts; or, the consensus (average) EPS estimate, which are independently compiled by S&P Global Market Intelligence, a data provider to CFRA. Among the items typically excluded from EPS estimates are asset sale gains; impairment, restructuring or merger-related charges; legal and insurance settlements; in process research and development expenses; gains or losses on the extinguishment of debt; the cumulative effect of accounting changes; and earnings related to operations that have been classified by the company as discontinued. The inclusion of some items, such as stock option expense and recurring types of other charges, may vary, and depend on such factors as industry practice, analyst judgment, and the extent to which some types of data is disclosed by companies.

Core Earnings

Core Earnings is a uniform methodology for adjusting operating earnings by focusing on a company's after-tax earnings generated from its principal businesses. Included in the definition are employee stock option grant expenses, pension costs, restructuring charges from ongoing operations, write-downs of depreciable or amortizable operating assets, purchased research and development, M&A related expenses and unrealized gains/losses from hedging activities. Excluded from the definition are pension gains, impairment of goodwill charges, gains or losses from asset sales, reversal of prior-year charges and provision from litigation or insurance settlements.

12-Month Target Price

The equity analyst's projection of the market price a given security will command 12 months hence, based on a combination of intrinsic, relative, and private market valuation metrics, including Fair Value.

CFRA Equity Research

CFRA Equity Research is produced and distributed by Accounting Research & Analytics, LLC d/b/a CFRA ("CFRA US"). Certain research is distributed by CFRA UK Limited (together with CFRA US, "CFRA"). Certain research is produced by Standard & Poor's Malaysia Sdn. Bhd ("S&P Malaysia") under contract to CFRA US.

Abbreviations Used in Equity Research Reports

CAGR - Compound Annual Growth Rate

CAPEX - Capital Expenditures

CY - Calendar Year

DCF - Discounted Cash Flow DDM - Dividend Discount Model

EBIT - Earnings Before Interest and Taxes

EBITDA - Earnings Before Interest, Taxes, Depreciation and Amortization

EPS - Earnings Per Share EV - Enterprise Value

FCF - Free Cash Flow

FFO - Funds From Operations

FY - Fiscal Year P/E - Price/Earnings

P/NAV - Price to Net Asset Value

PEG Ratio - P/E-to-Growth Ratio

PV - Present Value

R&D - Research & Development

ROCE - Return on Capital Employed ROE - Return on Equity

ROI - Return on Investment

ROIC - Return on Invested Capital

ROA - Return on Assets

SG&A - Selling, General & Administrative Expenses

SOTP - Sum-of-The-Parts

WACC - Weighted Average Cost of Capital

Dividends on American Depository Receipts (ADRs) and American Depository Shares (ADSs) are net of taxes (paid in the country of origin).

Qualitative Risk Assessment

Reflects an equity analyst's view of a given company's operational risk, or the risk of a firm's ability to continue as an ongoing concern. The Qualitative Risk Assessment is a relative ranking to the U.S. STARS universe, and should be reflective of risk factors related to a company's operations, as opposed to risk and volatility measures associated with share prices. For an ETF this reflects on a capitalization-weighted basis, the average qualitative risk assessment assigned to holdings of the fund.

STARS Ranking system and definition: ★★★★★ 5-STARS (Strong Buy):

Total return is expected to outperform the total return of a relevant benchmark, by a wide margin over the coming 12 months, with shares rising in price on an absolute basis.

★★★★ 4-STARS (Buy):

Total return is expected to outperform the total return of a relevant benchmark over the coming 12 months, with shares rising in price on an absolute basis.

* 3-STARS (Hold):

Total return is expected to closely approximate the total return of a relevant benchmark over the coming 12 months, with shares generally rising in price on an absolute basis

** * * * 2-STARS (Sell):

Total return is expected to underperform the total return of a relevant benchmark over the coming 12 months, and the share price not anticipated to show a gain.

1-STAR (Strong Sell):

Total return is expected to underperform the total return of a relevant benchmark by a wide margin over the coming 12 months, with shares falling in price on an absolute

Relevant benchmarks:

In North America, the relevant benchmark is the S&P 500 Index, in Europe and in Asia, the relevant benchmarks are the S&P Europe 350 Index and the S&P Asia 50 Index, respectively.



Disclosures

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Total	100%	100%	100%	100%

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