

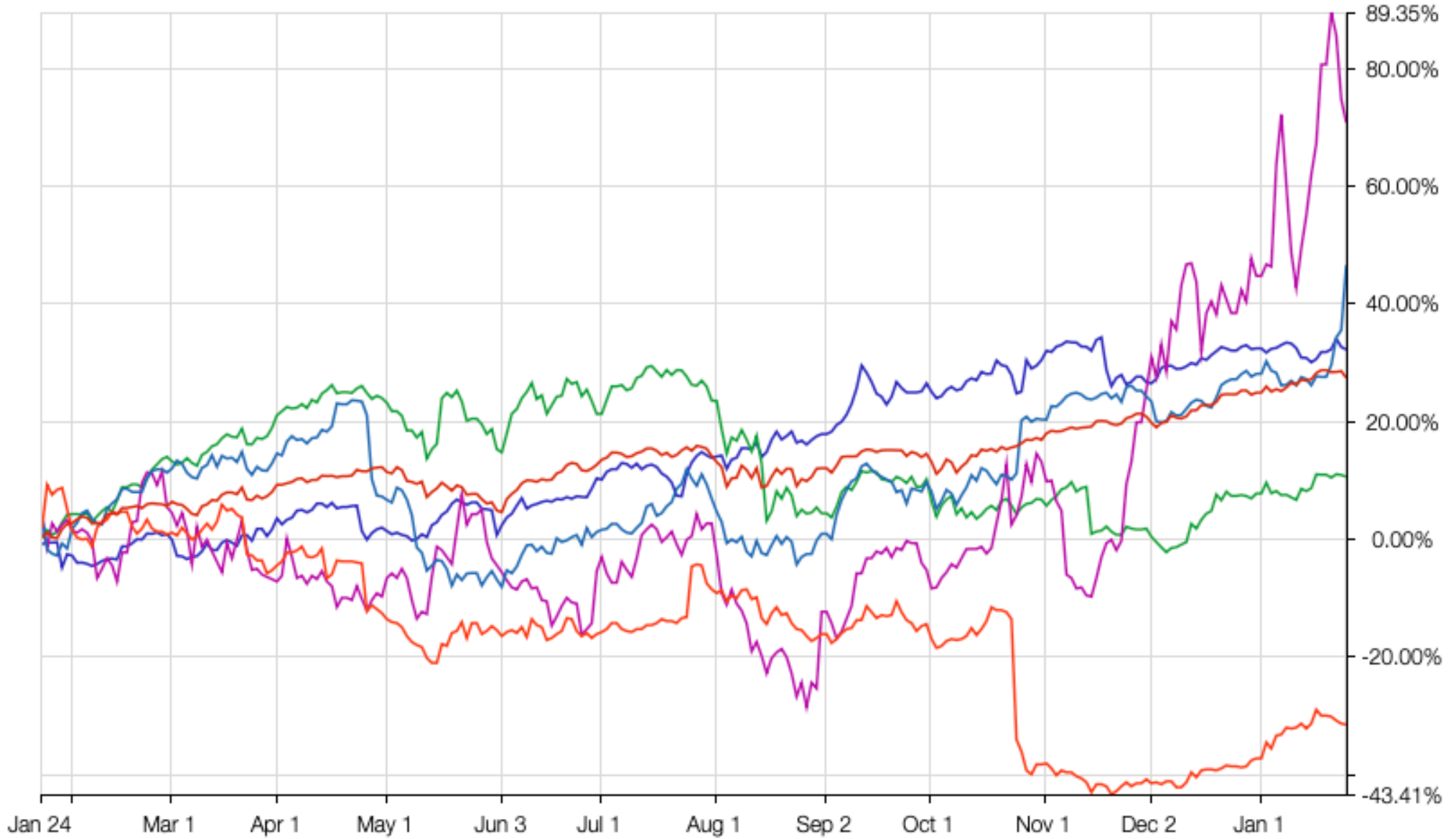
5G Stocks

5G Stocks to Watch

Ticker	Name	CR	P/E	Ann Div Rte	LT D/C	1Y Ann Perf	3Y Ann Perf	Est EPS Tgt Prc	Est EPS Tot Gain(Loss)	Est EPS Gr	TL EPS Tot Gain(Loss)
AMD	ADVANCED MICRO DEVICES I	BB-	77.36	\$0.00	32.00%	148.43%	59.32%	\$63.96	\$13.61	29.61%	\$22.97
AAPL	APPLE INC	AA+	25.87	\$3.08	46.00%	89.13%	37.84%	\$260.68	\$-44.55	10.02%	\$65.01
SWKS	SKYWORKS SOLUTIONS INC	-	19.39	\$1.76	3.40%	84.15%	19.01%	\$136.64	\$18.82	13.99%	\$104.77
INSG	INSEEGO CORP	-	0.00	\$0.00	1.10%	76.63%	44.29%	\$4.50	\$-4.15	10.00%	\$-11.04
QCOM	QUALCOMM INC	A-	24.01	\$2.48	64.00%	61.61%	13.95%	\$107.23	\$24.57	16.98%	\$117.25
T	AT&T INC	BBB	10.81	\$2.08	47.00%	44.11%	1.98%	\$65.85	\$33.86	5.81%	\$53.72
AVGO	BROADCOM INC	BBB-	14.94	\$10.60	51.00%	30.70%	24.68%	\$416.37	\$131.71	9.25%	\$409.44
INTC	INTEL CORP	A+	14.03	\$1.26	24.00%	30.34%	20.49%	\$83.32	\$18.92	4.55%	\$37.91
IBM	INTERNATIONAL BUSINESS M	A	10.94	\$6.48	65.00%	23.83%	-2.71%	\$244.78	\$124.99	6.25%	\$160.86
CSCO	CISCO SYSTEMS INC	AA-	15.42	\$1.40	28.00%	16.60%	20.39%	\$53.14	\$8.16	4.55%	\$21.69
VZ	VERIZON COMMUNICATIONS I	BBB+	12.46	\$2.46	63.00%	13.54%	8.70%	\$74.18	\$21.61	2.80%	\$31.21
NOK	NOKIA OYJ	BB+	17.89	\$0.16	24.00%	-34.36%	-6.15%	\$5.89	\$2.39	11.89%	\$4.32

Dividend Adjusted Return Jan 24, 2019 - Jan 24, 2020

T 38.50 (+32.1%) * **CSCO** 48.87 (+10.5%) * **INSG** 8.65 (+70.6%) * **INTC** 68.47 (+46.4%) * **NOK** 4.05 (-31.6%) *
S&P 500 3295.47 (+27.3%) *

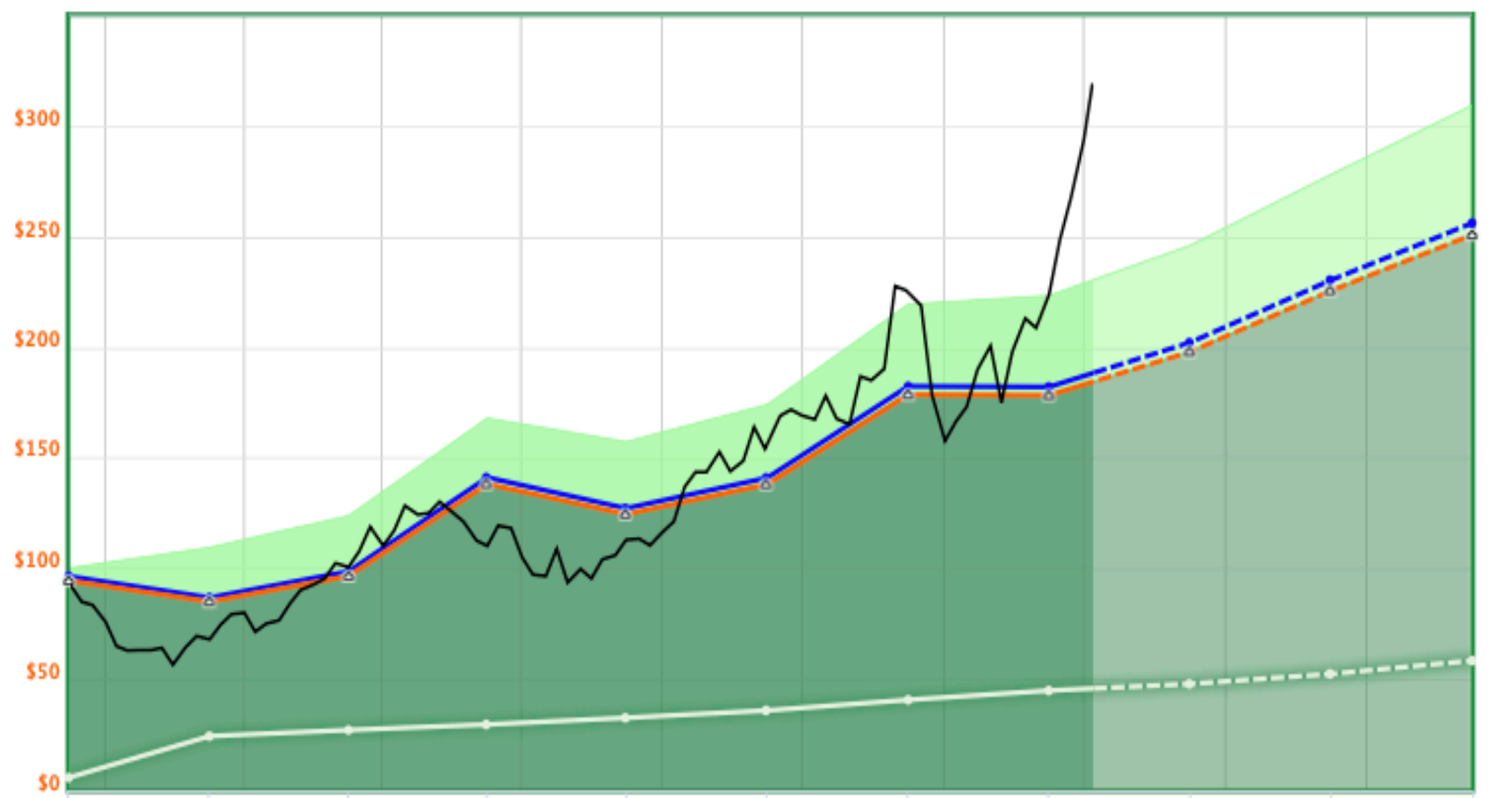


FASTgraphs Price Correlated with Fundamentals **APPLE INC(NAS:AAPL)**

Help On/Off

20Y	19Y	18Y	17Y	16Y	15Y	14Y	13Y	12Y	11Y	10Y	9Y	8Y	7Y	6Y	5Y	4Y	3Y	All
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Year	2013	2014	2015	2016	2017	2018	2019	2020	2021
High	82.16	120	135	119	177	233	294	320	N/A
Low	55.01	70.51	92.00	89.47	115	147	142	293	N/A



FY Date	9/13	9/14	9/15	9/16	9/17	9/18	9/19	9/20	9/21	9/22
EPS	5.68	6.45	9.22	8.31	9.21	11.91	11.89	13.20 E	15.04 E	16.72 E
Chg/Yr	-10%	14%	43%	-10%	11%	29%	0%	11%	14%	11%
Div	1.63	1.81	1.98	2.18	2.40	2.72	3.00	3.20	3.50	3.90

FAST FACTS

01/23/2020

Price: **319.23 USD**

SHARE

Blended P/E: 25.95

Blended Adjusted Earnings Yld: 3.85%

Div Yld: 0.96%

GRAPH KEY

Dividends Declared █

Adjusted (Operating) Earnings Growth Rate 10.24% █

Normal P/E Ratio 15.32 █

GDF...P/E=G 15.00 █

Recessions █

Dividend Yield & Payout █

COMPANY INFORMATION

Sub-industry class:
Telecommunications Equipment

Market Cap: 1399.510 Bil.

TEV: 1450.506 Bil.

- AAPL
- CSCO
- INSG
- INTC
- NOK
- QCOM
- T

Scores

Fair Value	\$379.45	
Margin of Safety	19%	
Value Score	78	
Growth Score	71	
Quality Score	94	
Sentiment Score	60	
Piotroski F Score	7	
Altman Z-Score	4.4	

Estimates

Avg. Tgt. Price	\$190.00		\$375.00
Tgt. Price and Chg. (%)	\$301.81		(-5.18%)
Price / Earnings	26.8		
Forward P/E	21.0		
PEG Forward	2.2		
EPS Current Year Chg (Est.%)	9.3%		
5-Year EPS Growth Estimate	10.5%		
Sales Growth Next Year	8.5%		
EPS Surprise	6.69%		
Con. Rating			

Returns vs Benchmarks

	Stock	Industry	S&P 500
Sentiment Score	60	46	66
5-Day Return	-0.1%	-0.2%	-1.0%
1-Month Return	12.1%	11.6%	2.2%
YTD Return	8.4%	8.3%	2.0%
1-Year Return	109.9%	94.5%	27.3%
3-Year Return	177.5%	147.9%	54.0%
5-Year Return	208.2%	171.9%	76.4%
Beta 1-Year	1.49	1.37	0.99

Valuation

	Stock	Industry	S&P 500
Value Score	78	55	74
Price / Earnings	26.8	25.5	25.1
Price / Sales	5.7	2.8	2.4
Price / Free Cash Flow	25.1	28.1	26.9
Price / Book	15.4	7.2	3.7
Price / Tangible Book	15.4	67.7	100+
EV / EBITDA	13.3	13.2	14.9
EPS Predict. Pctl.	3	50	27
Cash Flow Predict. Pctl.	4	37	24
5-Year P/E Range	9.6		26.9
5-Year P/B Range	3.9		15.5
5-Year P/S Range	2.2		5.7

AAPL

CSCO

INSG

INTC

NOK

QCOM

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Growth ⓘ

	Stock	Industry	S&P 500
Growth Score	71	52	77

Sales Growth

Sales Growth Next Year	8.5%	8.3%	6.9%
Sales 1-Year Chg (%)	-0.6%	1.0%	3.6%
Sales 3-Year Avg (%)	6.1%	5.4%	8.3%
Sales 5-Year Avg (%)	5.4%	4.7%	3.0%

EPS Growth

Next Y. Growth Est.	15.1%	15.0%	14.8%
EPS 1-Year Chg (%)	-2.6%	-0.4%	6.2%
EPS 3-Year Avg (%)	12.4%	12.8%	19.5%
EPS 5-Year Avg (%)	9.8%	9.9%	12.9%

EBITDA Growth

Forward EBITDA Growth	-24.1%	-	-
EBITDA 1-Year (%)	-3.4%	-1.6%	10.8%
EBITDA 3-Year Avg (%)	3.8%	3.4%	10.9%
EBITDA 5-Year Avg (%)	3.5%	2.9%	5.9%

Ratings vs. Peers ⓘ

Overall Ratings Score	82 ★★★★★
Growth Ratings Score	44 ★★☆☆☆
Valuation Ratings Score	40 ★★☆☆☆
Efficiency Ratings Score	100 ★★★★★
Financial Strength Ratings Score	66 ★★☆☆☆
Dividends Ratings Score	49 ★★☆☆☆
Momentum Ratings Score	99 ★★★★★

Profitability ⓘ

	Stock	Industry	S&P 500
Quality Score	94	59	80
Gross Margin	37.8%	30.3%	29.1%
Operating Margin	24.6%	14.5%	13.4%
Net Margin	21.2%	12.2%	9.6%
Return on Assets	16.3%	0.2%	0.1%
Return on Equity	61.1%	0.6%	0.2%
ROIC	24.9%	22.4%	16.0%

Financial Health ⓘ

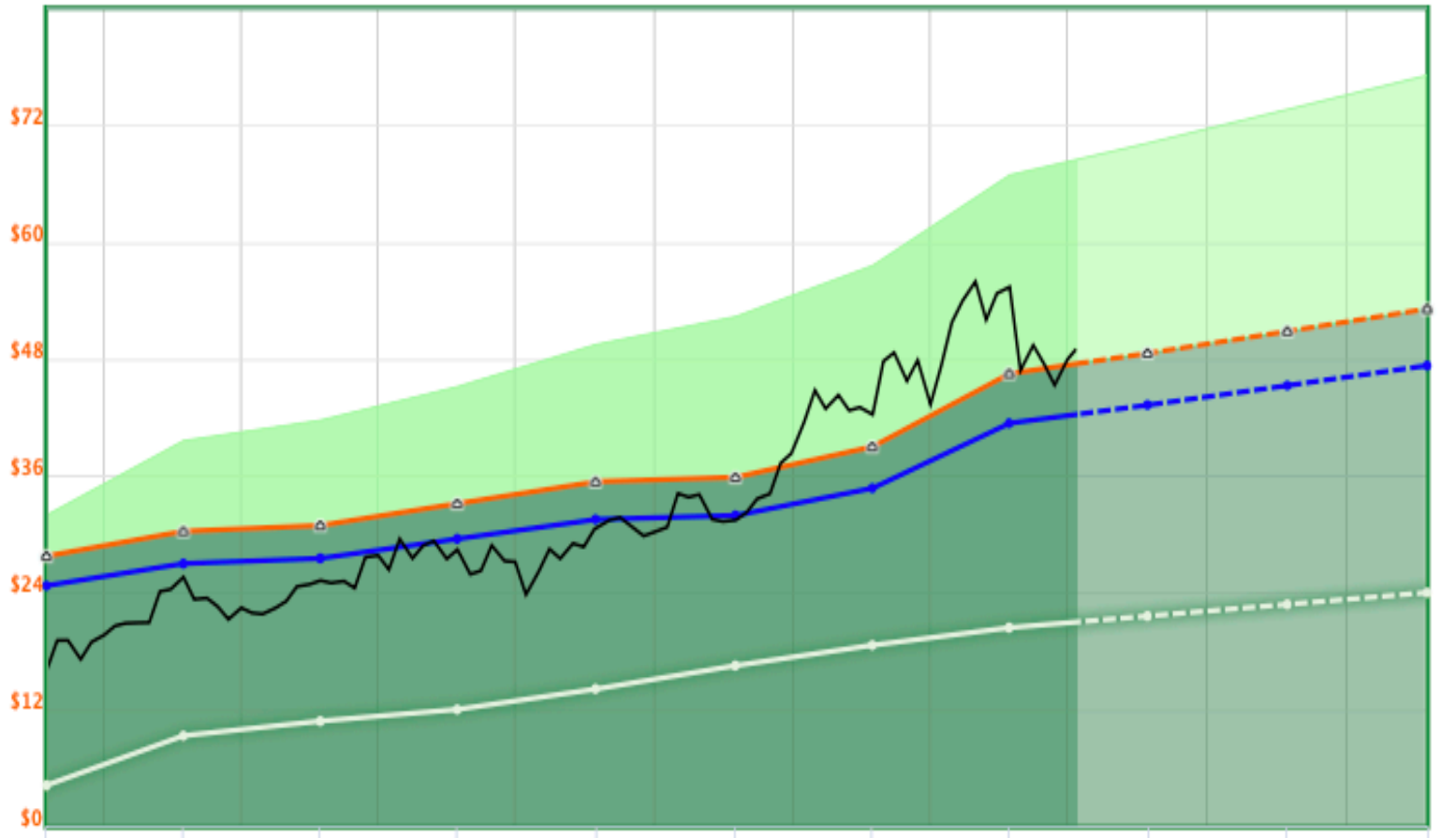
Current Ratio	1.5
Quick Ratio	1.5
Price	\$318.31
Net Cash Per Share	-\$1.81
Equity Per Share	\$20.64
Debt / Equity	1.2
Interest Coverage	19.4

Dividends ⓘ

	Stock	Industry	S&P 500
Dividend Yield	1.0%	1.0%	1.8%
Payout Ratio	25.1%	24.7%	44.0%
TTM Yield	1.0%	-	1.7%
Dividend Per Share	\$3.08	\$2.55	\$62.96
Dividend 1-Year Chg (%)	5.5%	10.2%	9.4%
Dividend 3-Year Avg (%)	10.5%	10.0%	5.7%
Dividend 5-Year Avg (%)	10.4%	9.8%	6.7%

20Y	19Y	18Y	17Y	16Y	15Y	14Y	13Y	12Y	11Y	10Y	9Y	8Y	7Y	6Y	5Y	4Y	3Y	All
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Year	2013	2014	2015	2016	2017	2018	2019	2020	2021
High	26.49	28.59	30.31	31.95	38.99	49.47	58.26	49.54	N/A
Low	19.98	21.27	23.03	22.46	29.80	37.35	40.96	46.81	N/A



FY Date	7/13	7/14	7/15	7/16	7/17	7/18	7/19	7/20	7/21	7/22
EPS	2.02	2.06	2.21	2.36	2.39	2.60	3.10	3.24 E	3.39 E	3.54 E
Chg/Yr	9%	2%	7%	7%	1%	9%	19%	5%	5%	5%
Div	0.62	0.72	0.80	0.94	1.10	1.24	1.36	1.44	1.52	1.60

FAST FACTS

01/23/2020

Price: 49.00 USD

SHARE

Blended P/E: 15.47

Blended Adjusted Earnings Yld: 6.46%

Div Yld: 2.86%

GRAPH KEY

Dividends Declared

Adjusted (Operating) Earnings Growth Rate 6.71%

Normal P/E Ratio 13.36

GDF...P/E=G 15.00

Recessions

Dividend Yield & Payout

COMPANY INFORMATION

Sub-industry class:

Computer Communications

Market Cap: 207.871 Bil.

TEV: 200.986 Bil.

CSCO

INSG

INTC

NOK

QCOM

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Scores

Fair Value	\$58.84	
Margin of Safety	20%	
Value Score	83	
Growth Score	81	
Quality Score	97	
Sentiment Score	68	
Piotroski F Score	8	
Altman Z-Score	3.4	

Estimates

Avg. Tgt. Price	\$45.00	\$59.00
Tgt. Price and Chg. (%)	\$53.17	(8.80%)
Price / Earnings	19.4	
Forward P/E	14.4	
PEG Forward	2.2	
EPS Current Year Chg (Est.%)	19.1%	
5-Year EPS Growth Estimate	7.0%	
Sales Growth Next Year	2.9%	
EPS Surprise	4.05%	
Con. Rating		

Returns vs Benchmarks

	Stock	Industry	S&P 500
Sentiment Score	68	53	66
5-Day Return	-0.3%	-1.4%	-1.0%
1-Month Return	2.3%	3.2%	2.2%
YTD Return	2.6%	3.0%	2.0%
1-Year Return	10.5%	10.6%	27.3%
3-Year Return	76.9%	41.4%	54.0%
5-Year Return	100.8%	35.3%	76.4%
Beta 1-Year	1.30	1.10	0.99

Valuation

	Stock	Industry	S&P 500
Value Score	83	50	74
Price / Earnings	19.4	37.7	25.1
Price / Sales	4.1	2.0	2.4
Price / Free Cash Flow	14.5	22.5	26.9
Price / Book	6.0	3.7	3.7
Price / Tangible Book	-	-	100+
EV / EBITDA	11.7	11.8	14.9
EPS Predict. Pctl.	15	61	27
Cash Flow Predict. Pctl.	2	62	24
5-Year P/E Range	11.1		
5-Year P/B Range	1.9		
5-Year P/S Range	2.3		

CSCO
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NOK
QCOM
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Growth ⓘ

	Stock	Industry	S&P 500
Growth Score	81	51	77
Sales Growth			
Sales Growth Next Year	2.9%	2.9%	6.9%
Sales 1-Year Chg (%)	3.4%	-4.5%	3.6%
Sales 3-Year Avg (%)	2.1%	0.7%	8.3%
Sales 5-Year Avg (%)	1.9%	2.2%	3.0%
EPS Growth			
Next Y. Growth Est.	4.9%	7.7%	14.8%
EPS 1-Year Chg (%)	597.2%	162.1%	6.2%
EPS 3-Year Avg (%)	6.1%	10.4%	19.5%
EPS 5-Year Avg (%)	11.3%	21.6%	12.9%
EBITDA Growth			
Forward EBITDA Growth	8.3%	-	-
EBITDA 1-Year (%)	0.3%	-4.9%	10.8%
EBITDA 3-Year Avg (%)	2.8%	2.7%	10.9%
EBITDA 5-Year Avg (%)	6.3%	6.8%	5.9%

Profitability ⓘ

	Stock	Industry	S&P 500
Quality Score	97	54	80
Gross Margin	63.4%	40.7%	29.1%
Operating Margin	27.7%	10.7%	13.4%
Net Margin	21.2%	5.3%	9.6%
Return on Assets	11.9%	0.1%	0.1%
Return on Equity	32.0%	0.3%	0.2%
ROIC	17.4%	11.2%	16.0%

Financial Health ⓘ

Current Ratio	1.7
Quick Ratio	1.6
Price	\$48.87
Net Cash Per Share	\$2.20
Equity Per Share	\$8.11
Debt / Equity	0.5
Interest Coverage	18.6

Ratings vs. Peers ⓘ

Overall Ratings Score	88 ★★★★★
Growth Ratings Score	67 ★★★☆☆
Valuation Ratings Score	52 ★★★☆☆
Efficiency Ratings Score	98 ★★★★★
Financial Strength Ratings Score	77 ★★★★★
Dividends Ratings Score	89 ★★★★★
Momentum Ratings Score	35 ★★☆☆☆

Dividends ⓘ

	Stock	Industry	S&P 500
Dividend Yield	2.9%	2.2%	1.8%
Payout Ratio	54.3%	52.6%	44.0%
TTM Yield	2.9%	-	1.7%
Dividend Per Share	\$1.40	\$0.88	\$62.96
Dividend 1-Year Chg (%)	6.1%	6.4%	9.4%
Dividend 3-Year Avg (%)	10.4%	13.6%	5.7%
Dividend 5-Year Avg (%)	13.0%	12.1%	6.7%

20Y	19Y	18Y	17Y	16Y	15Y	14Y	13Y	12Y	11Y	10Y	9Y	8Y	7Y	6Y	5Y	4Y	3Y	All
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Year	2012	2013	2014	2015	2016	2017	2018	2019	2020
High	3.69	4.43	3.91	6.89	3.80	3.23	4.49	7.90	N/A
Low	1.17	1.27	1.51	1.58	0.84	0.87	1.58	3.61	N/A



FY Date	12/12	12/13	12/14	12/15	12/16	12/17	12/18	12/19	12/20	12/21
EPS	-0.86	-0.62	-0.54	-0.18	-0.23	-0.29	-0.04	-0.18 E	0.04 E	0.30 E
Chg/Yr	-59%	28%	13%	67%	-28%	-26%	86%	-350%	122%	650%
Div	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

FAST FACTS

01/24/2020
Price: 8.65 USD
SHARE
Blended P/E: NMF
Blended Adjusted Earnings Yld: NMF%
Div Yld: 0.00%

GRAPH KEY

Dividends Declared
Adjusted (Operating) Earnings Growth Rate NMF
Normal P/E Ratio 0.00
P/E=G 15.00
Recessions
Dividend Yield & Payout

COMPANY INFORMATION

Sub-industry class: Telecommunications Equipment
Market Cap: 695.131 Mil.
TEV: 822.169 Mil.

CSCO
INSG
INTC
NOK
QCOM
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Scores

Fair Value (EV / Sales)	\$9.28	Low Confidence
Margin of Safety EV to Sales	7%	
Value Score	48	
Growth Score	49	
Quality Score	36	
Sentiment Score	83	
Piotroski F Score	3	
Altman Z-Score	-2.9	

Estimates

Avg. Tgt. Price	\$6.00	\$9.00
Tgt. Price and Chg. (%)	\$8.00	(-7.51%)
Price / Earnings	-	
Forward P/E	100+	
5-Year EPS Growth Estimate	20.0%	
Sales Growth Next Year	22.3%	
EPS Surprise	-	
Con. Rating		

Returns vs Benchmarks

	Stock	Industry	S&P 500
Sentiment Score	83	53	66
5-Day Return	-5.5%	-1.4%	-1.0%
1-Month Return	21.3%	3.2%	2.2%
YTD Return	18.0%	3.0%	2.0%
1-Year Return	70.6%	10.6%	27.3%
3-Year Return	182.7%	41.4%	54.0%
5-Year Return	98.4%	35.3%	76.4%
Beta 1-Year	1.07	1.10	0.99

Valuation

	Stock	Industry	S&P 500
Value Score	48	50	74
Price / Earnings	-	37.7	25.1
Price / Sales	3.0	2.0	2.4
Price / Free Cash Flow	-	22.5	26.9
Price / Book	-	3.7	3.7
Price / Tangible Book	-	-	100+
EV / EBITDA	137.7	11.8	14.9
EPS Predict. Pctl.	38	61	27
Cash Flow Predict. Pctl.	89	62	24
5-Year P/E Range			
5-Year P/B Range			
5-Year P/S Range			



5G... ▼



Summary

EPS

Dividends

Statements

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CSCO

INSG

INTC

NOK

QCOM

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Growth ⓘ

	Stock	Industry	S&P 500
Growth Score	49	51	77
Sales Growth			
Sales Growth Next Year	22.3%	2.9%	6.9%
Sales 1-Year Chg (%)	10.2%	-4.5%	3.6%
Sales 3-Year Avg (%)	-2.9%	0.7%	8.3%
Sales 5-Year Avg (%)	3.8%	2.2%	3.0%
EPS Growth			
Next Y. Growth Est.	-	7.7%	14.8%
EPS 1-Year Chg (%)	-	162.1%	6.2%
EPS 3-Year Avg (%)	-	10.4%	19.5%
EPS 5-Year Avg (%)	-	21.6%	12.9%
EBITDA Growth			
Forward EBITDA Growth	-	-	-
EBITDA 1-Year (%)	-49.0%	-4.9%	10.8%
EBITDA 3-Year Avg (%)	-	2.7%	10.9%
EBITDA 5-Year Avg (%)	-	6.8%	5.9%

Ratings vs. Peers ⓘ

Overall Ratings Score	17 ★☆☆☆☆
Growth Ratings Score	48 ★★★☆☆
Valuation Ratings Score	1 ★☆☆☆☆
Efficiency Ratings Score	11 ★☆☆☆☆
Financial Strength Ratings Score	5 ★☆☆☆☆
Momentum Ratings Score	93 ★★★★★

Profitability ⓘ

	Stock	Industry	S&P 500
Quality Score	36	54	80
Gross Margin	30.8%	40.7%	29.1%
Operating Margin	-4.4%	10.7%	13.4%
Net Margin	-14.0%	5.3%	9.6%
Return on Assets	-19.7%	0.1%	0.1%
Return on Equity	82.1%	0.3%	0.2%
ROIC	-10.1%	11.2%	16.0%

Financial Health ⓘ

Current Ratio	0.4
Quick Ratio	0.2
Price	\$8.65
Net Cash Per Share	-\$1.67
Equity Per Share	-\$0.48
Interest Coverage	-0.5

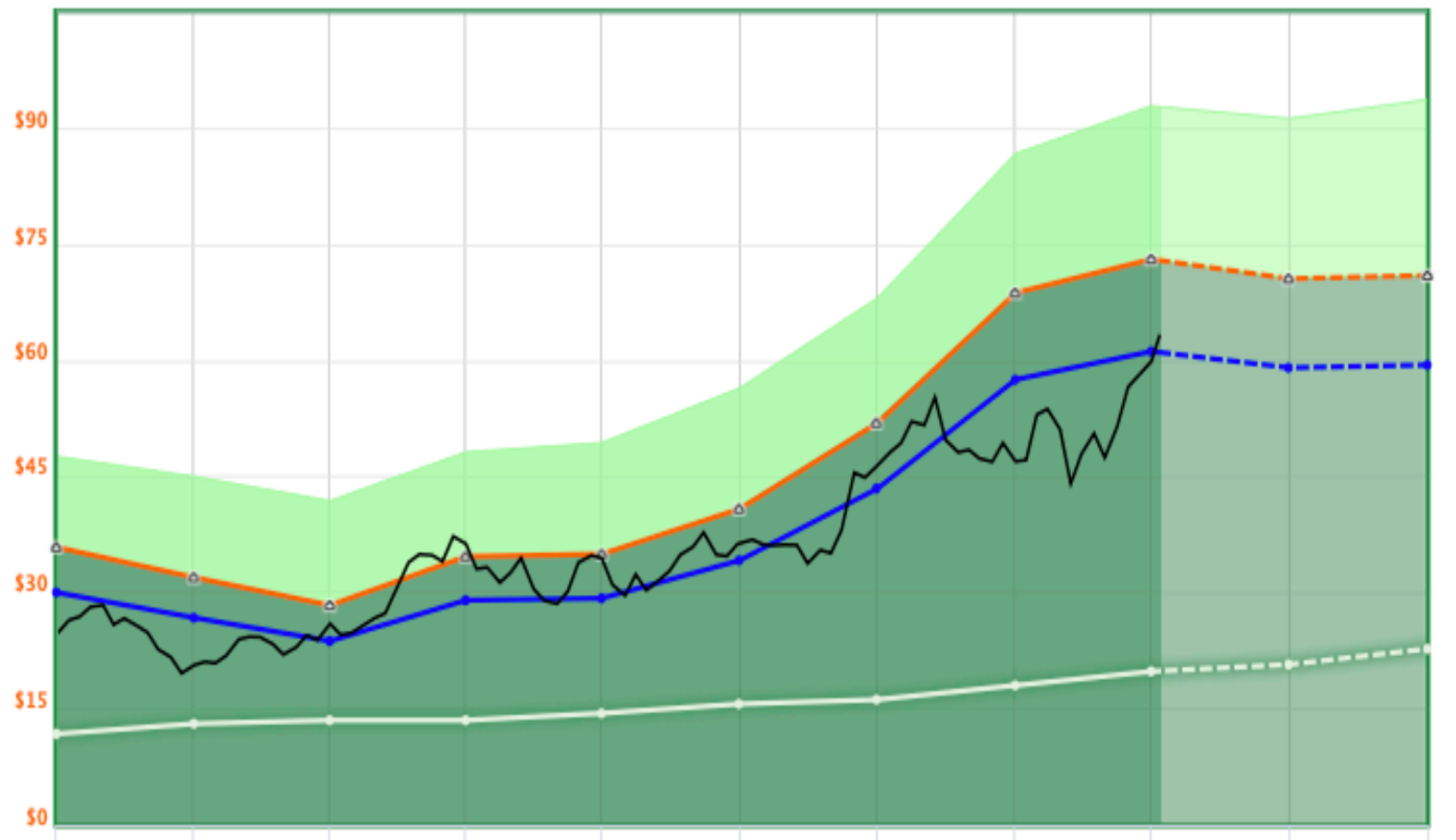
Dividends ⓘ

	Stock	Industry	S&P 500
Dividend Yield	-	2.2%	1.8%
Payout Ratio	-	52.6%	44.0%
TTM Yield	-	-	1.7%
Dividend Per Share	-	\$0.88	\$62.96
Dividend 1-Year Chg (%)	-	6.4%	9.4%
Dividend 3-Year Avg (%)	-	13.6%	5.7%
Dividend 5-Year Avg (%)	-	12.1%	6.7%

FASTgraphs Price Correlated with Fundamentals INTEL CORP(NAS:INTC)

	20Y	19Y	18Y	17Y	16Y	15Y	14Y	13Y	12Y	11Y	10Y	9Y	8Y	7Y	6Y	5Y	4Y	3Y	All
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Year	2012	2013	2014	2015	2016	2017	2018	2019	2020
High	29.27	26.04	37.90	37.49	38.36	47.64	57.60	60.48	N/A
Low	19.23	20.10	23.50	24.87	27.68	33.23	42.04	42.86	N/A



FY Date	12/12	12/13	12/14	12/15	12/16	12/17	12/18	12/19	12/20	12/21
EPS	2.13	1.89	2.31	2.33	2.72	3.46	4.58	4.87	4.70 E	4.73 E
Chg/Yr	-11%	-11%	22%	1%	17%	27%	32%	6%	-3%	1%
Div	0.87	0.90	0.90	0.96	1.04	1.08	1.20	1.32	1.38	1.52

FAST FACTS

01/23/2020

Price: **63.32 USD**

SHARE

Blended P/E: 13.03

Blended Adjusted Earnings Yld: 7.67%

Div Yld: 1.99%

GRAPH KEY

- Dividends Declared ■
- Adjusted (Operating) Earnings Growth Rate 7.06% ■
- Normal P/E Ratio 12.55 ■
- GDF...P/E=G 15.00 ■
- Recessions ■
- Dividend Yield & Payout ■

COMPANY INFORMATION

Sub-industry class:
Semiconductors

Market Cap: **275.442 Bil.**

TEV: **292.776 Bil.**

- CSCO
- INSG
- INTC**
- NOK
- QCOM
- T

efforts in non-PC arenas.

Scores

Fair Value	\$74.90	
Margin of Safety	9%	
Value Score	85	
Growth Score	76	
Quality Score	98	
Sentiment Score	99	
Piotroski F Score	5	
Altman Z-Score	4.4	

Estimates

Avg. Tgt. Price	\$38.00		\$70.00
Tgt. Price and Chg. (%)	\$58.53 (-14.52%)		
Price / Earnings	16.0		
Forward P/E	14.6		
PEG Forward	2.0		
EPS Current Year Chg (Est.%)	4.0%		
5-Year EPS Growth Estimate	7.0%		
Sales Growth Next Year	1.8%		
EPS Surprise	14.52%		
Con. Rating			

Returns vs Benchmarks

	Stock	Industry	S&P 500
Sentiment Score	99	65	66
5-Day Return	14.9%	1.7%	-1.0%
1-Month Return	15.6%	4.8%	2.2%
YTD Return	14.4%	4.9%	2.0%
1-Year Return	46.4%	53.4%	27.3%
3-Year Return	101.2%	88.5%	54.0%
5-Year Return	113.3%	135.5%	76.4%
Beta 1-Year	1.23	1.42	0.99

Valuation

	Stock	Industry	S&P 500
Value Score	85	56	74
Price / Earnings	16.0	29.4	25.1
Price / Sales	4.4	5.2	2.4
Price / Free Cash Flow	21.1	28.0	26.9
Price / Book	4.0	4.9	3.7
Price / Tangible Book	7.7	100+	100+
EV / EBITDA	9.7	11.9	14.9
EPS Predict. Pctl.	16	51	27
Cash Flow Predict. Pctl.	3	35	24
5-Year P/E Range	9.7 24.7		
5-Year P/B Range	2.2 3.7		
5-Year P/S Range	2.3 4.3		

- CSCO
- INSG
- INTC
- NOK
- QCOM
- T

Growth

	Stock	Industry	S&P 500
Growth Score	76	57	77
Sales Growth			
Sales Growth Next Year	1.8%	7.5%	6.9%
Sales 1-Year Chg (%)	-0.7%	-8.7%	3.6%
Sales 3-Year Avg (%)	5.8%	3.5%	8.3%
Sales 5-Year Avg (%)	4.7%	1.1%	3.0%
EPS Growth			
Next Y. Growth Est.	0.0%	16.8%	14.8%
EPS 1-Year Chg (%)	-5.0%	-50.3%	6.2%
EPS 3-Year Avg (%)	26.4%	30.2%	19.5%
EPS 5-Year Avg (%)	12.8%	6.8%	12.9%
EBITDA Growth			
Forward EBITDA Growth	4.1%	-	-
EBITDA 1-Year (%)	-1.2%	-12.4%	10.8%
EBITDA 3-Year Avg (%)	14.8%	8.9%	10.9%
EBITDA 5-Year Avg (%)	5.7%	2.1%	5.9%

Profitability

	Stock	Industry	S&P 500
Quality Score	98	62	80
Gross Margin	58.9%	47.9%	29.1%
Operating Margin	30.9%	21.7%	13.4%
Net Margin	27.5%	17.8%	9.6%
Return on Assets	14.5%	0.1%	0.1%
Return on Equity	26.0%	0.2%	0.2%
ROIC	18.9%	15.8%	16.0%

Financial Health

Current Ratio	1.2
Quick Ratio	0.9
Price	\$68.47
Net Cash Per Share	-\$3.87
Equity Per Share	\$17.11
Debt / Equity	0.4
Interest Coverage	43.3

Ratings vs. Peers

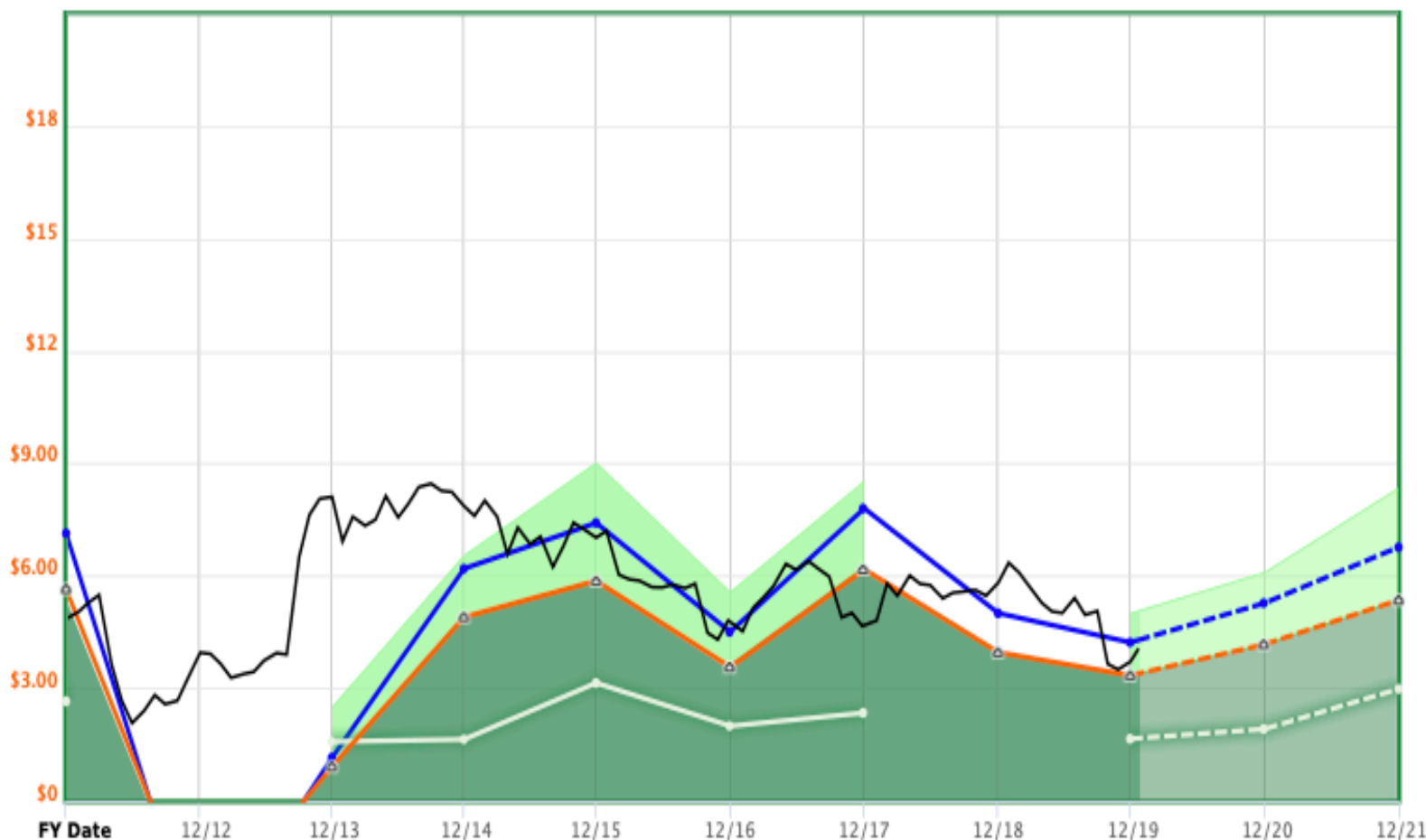
Overall Ratings Score	96 ★★★★★
Growth Ratings Score	53 ★★★☆☆
Valuation Ratings Score	79 ★★★★★
Efficiency Ratings Score	92 ★★★★★
Financial Strength Ratings Score	69 ★★★★★
Dividends Ratings Score	78 ★★★★★
Momentum Ratings Score	95 ★★★★★

Dividends

	Stock	Industry	S&P 500
Dividend Yield	1.8%	2.0%	1.8%
Payout Ratio	28.8%	63.2%	44.0%
TTM Yield	1.8%	-	1.7%
Dividend Per Share	\$1.26	\$1.98	\$62.96
Dividend 1-Year Chg (%)	5.0%	20.4%	9.4%
Dividend 3-Year Avg (%)	6.6%	26.5%	5.7%
Dividend 5-Year Avg (%)	7.0%	21.5%	6.7%

20Y	19Y	18Y	17Y	16Y	15Y	14Y	13Y	12Y	11Y	10Y	9Y	8Y	7Y	6Y	5Y	4Y	3Y	All
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----	----	----	----	----	----	----	-----

Year	2012	2013	2014	2015	2016	2017	2018	2019	2020
High	5.87	8.18	8.73	8.37	7.55	6.65	6.41	6.65	N/A
Low	1.63	3.02	6.64	5.71	4.04	4.50	4.68	3.33	N/A



FY Date	12/12	12/13	12/14	12/15	12/16	12/17	12/18	12/19	12/20	12/21
EPS	-0.22	0.06	0.33	0.39	0.24	0.41	0.26	0.22 E	0.28 E	0.36 E
Chg/Yr	-160%	127%	438%	20%	-39%	73%	-36%	-16%	25%	28%
Div	0.00	0.11	0.11	0.21	0.13	0.16	0.00	0.11	0.13	0.20

FAST FACTS

01/23/2020

Price: **4.06 USD**

ADR (ORDx1)

Blended P/E: 17.94

Blended Adjusted Earnings Yld: 5.57%

Div Yld: 4.02%

GRAPH KEY

- Dividends Declared
- Adjusted (Operating) Earnings Growth Rate -0.54%
- Normal P/E Ratio 18.96
- P/E=G 15.00
- Recessions
- Dividend Yield & Payout

COMPANY INFORMATION

Sub-industry class:
Telecommunications Equipment

Market Cap: 22.749 Bil.

TEV: 23.632 Bil.

CSCO

INSG

INTC

NOK

QCOM

T

Scores

Fair Value (EV / Sales)	\$3.89	Low Confidence
Margin of Safety EV to Sales	-4%	
Value Score	55	
Growth Score	71	
Quality Score	58	
Sentiment Score	46	
Piotroski F Score	4	
Altman Z-Score	1.2	

Estimates

Avg. Tgt. Price	\$4.00	\$5.80
Tgt. Price and Chg. (%)	\$4.80	(18.52%)
Price / Earnings	-	
Forward P/E	15.6	
PEG Forward	1.0	
5-Year EPS Growth Estimate	13.9%	
Sales Growth Next Year	1.3%	
EPS Surprise	-14.29%	
Con. Rating		

Returns vs Benchmarks

	Stock	Industry	S&P 500
Sentiment Score	46	53	66
5-Day Return	-2.2%	-1.4%	-1.0%
1-Month Return	11.3%	3.2%	2.2%
YTD Return	9.2%	3.0%	2.0%
1-Year Return	-31.6%	10.6%	27.3%
3-Year Return	-5.2%	41.4%	54.0%
5-Year Return	-39.1%	35.3%	76.4%
Beta 1-Year	0.86	1.10	0.99

Valuation

	Stock	Industry	S&P 500
Value Score	55	50	74
Price / Earnings	-	37.7	25.1
Price / Sales	0.9	2.0	2.4
Price / Free Cash Flow	-	22.5	26.9
Price / Book	1.4	3.7	3.7
Price / Tangible Book	3.4	-	100+
EV / EBITDA	11.5	11.8	14.9
EPS Predict. Pctl.	89	61	27
Cash Flow Predict. Pctl.	86	62	24
5-Year P/E Range	13.9		
5-Year P/B Range	1.1		
5-Year P/S Range	0.7		



5G... ▾



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Growth ⓘ

Growth Score

Stock
71Industry
51S&P 500
77**Sales Growth**

Sales Growth Next Year

1.3%

2.9%

6.9%

Sales 1-Year Chg (%)

3.1%

-4.5%

3.6%

Sales 3-Year Avg (%)

-0.5%

0.7%

8.3%

Sales 5-Year Avg (%)

12.8%

2.2%

3.0%

EPS Growth

Next Y. Growth Est.

18.2%

7.7%

14.8%

EPS 1-Year Chg (%)

-

162.1%

6.2%

EPS 3-Year Avg (%)

-

10.4%

19.5%

EPS 5-Year Avg (%)

-

21.6%

12.9%

EBITDA Growth

Forward EBITDA Growth

-

-

-

EBITDA 1-Year (%)

28.2%

-4.9%

10.8%

EBITDA 3-Year Avg (%)

9.7%

2.7%

10.9%

EBITDA 5-Year Avg (%)

63.9%

6.8%

5.9%

Profitability ⓘ

Quality Score

Stock
58Industry
54S&P 500
80

Gross Margin

36.0%

40.7%

29.1%

Operating Margin

2.4%

10.7%

13.4%

Net Margin

-1.6%

5.3%

9.6%

Return on Assets

-0.9%

0.1%

0.1%

Return on Equity

-2.5%

0.3%

0.2%

ROIC

-1.8%

11.2%

16.0%

Financial Health ⓘ

Current Ratio

1.3

Quick Ratio

1.0

Price

\$4.05

Net Cash Per Share

-\$0.04

Equity Per Share

\$2.84

Debt / Equity

0.4

Interest Coverage

0.5

Ratings vs. Peers ⓘ

Overall Ratings Score

52 ★★☆☆☆

Growth Ratings Score

85 ★★★★★

Valuation Ratings Score

64 ★★★☆☆

Efficiency Ratings Score

38 ★★★☆☆

Financial Strength Ratings Score

20 ★☆☆☆☆

Dividends Ratings Score

82 ★★★★★

Momentum Ratings Score

21 ★☆☆☆☆

Dividends ⓘ

Dividend Yield

Stock
5.5%Industry
2.2%S&P 500
1.8%

Payout Ratio

-

52.6%

44.0%

TTM Yield

2.8%

-

1.7%

Dividend Per Share

\$0.22

\$0.88

\$62.96

Dividend 1-Year Chg (%)

-52.6%

6.4%

9.4%

Dividend 3-Year Avg (%)

-27.1%

13.6%

5.7%

Dividend 5-Year Avg (%)

-5.7%

12.1%

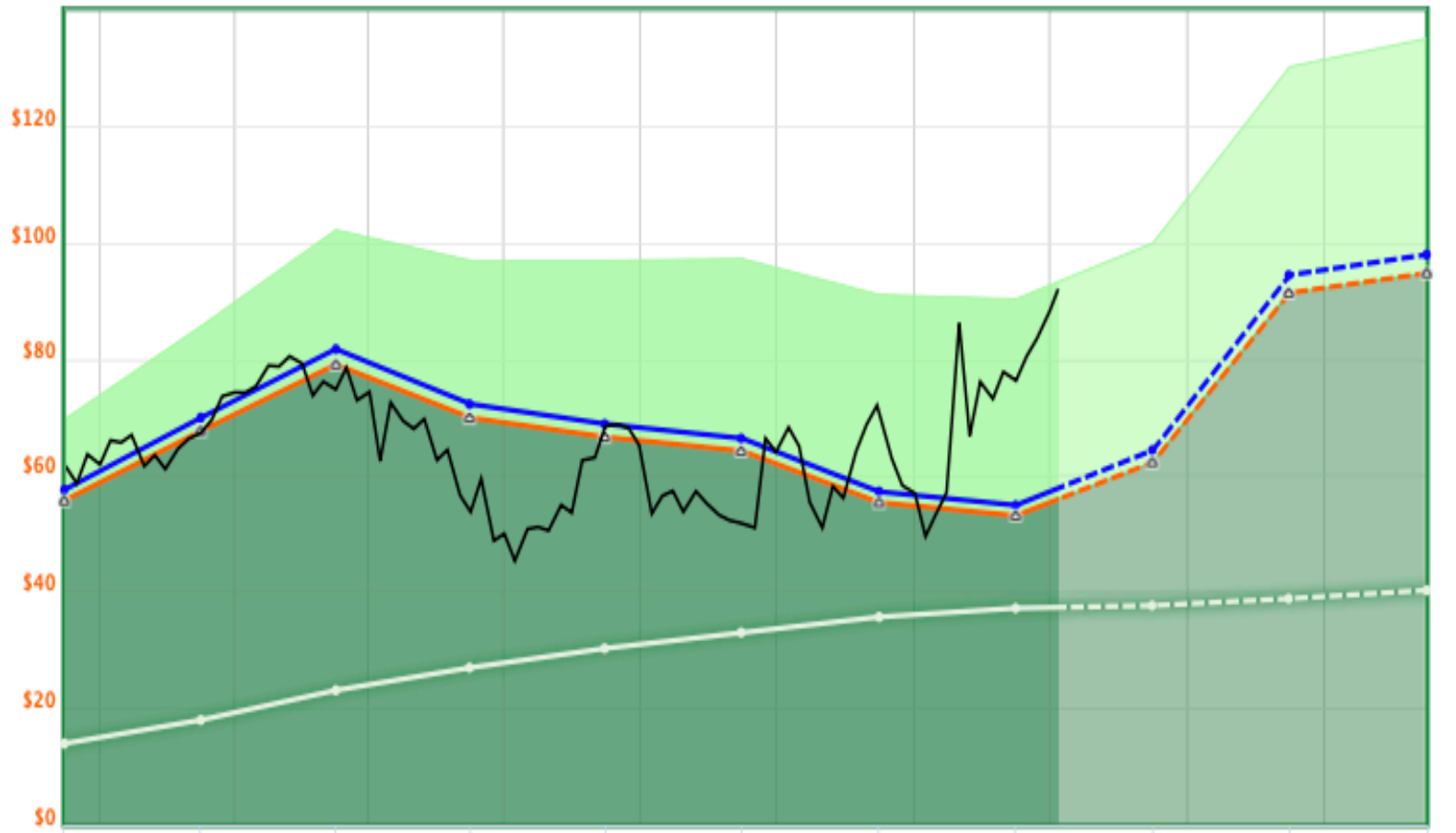
6.7%

FASTgraphs Price Correlated with Fundamentals **QUALCOMM INC(NAS:QCOM)**

Help On/Off

20Y	19Y	18Y	17Y	16Y	15Y	14Y	13Y	12Y	11Y	10Y	9Y	8Y	7Y	6Y	5Y	4Y	3Y	All
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------------	----	----	----	----	----	----	----	-----

Year	2013	2014	2015	2016	2017	2018	2019	2020	2021
High	74.32	81.97	75.30	71.62	69.28	76.50	94.11	96.17	N/A
Low	59.02	67.67	45.93	42.24	48.92	48.56	49.10	85.54	N/A



FY Date	9/13	9/14	9/15	9/16	9/17	9/18	9/19	9/20	9/21	9/22
EPS	4.51	5.27	4.66	4.44	4.28	3.69	3.54	4.15 E	6.09 E	6.32 E
Chg/Yr	22%	17%	-12%	-5%	-4%	-14%	-4%	17%	47%	4%
Div	1.20	1.54	1.80	2.02	2.20	2.38	2.48	2.51	2.59	2.69

FAST FACTS

01/23/2020

Price: **92.00 USD**

SHARE

Blended P/E: 24.65

Blended Adjusted Earnings Yld: 4.06%

Div Yld: 2.70%

GRAPH KEY

Dividends Declared ■

Adjusted (Operating) Earnings Growth Rate 5.46% ■

Normal P/E Ratio 15.50 ■

GDF...P/E=G 15.00 ■

Recessions ■

Dividend Yield & Payout ■

COMPANY INFORMATION

Sub-industry class:
Telecommunications Equipment

Market Cap: 105.049 Bil.

TFV: 115.085 Bil.

- CSCO
- INSG
- INTC
- NOK
- QCOM**
- T

Scores ⓘ

Fair Value	\$99.10	
Margin of Safety	11%	
Value Score	75	
Growth Score	76	
Quality Score	94	
Sentiment Score	87	
Plotroski F Score	9	
Altman Z-Score	4.2	

Estimates ⓘ

Avg. Tgt. Price	\$65.00		\$115.00
Tgt. Price and Chg. (%)	\$94.86	(5.81%)	
Price / Earnings	25.0		
Forward P/E	14.7		
PEG Forward	0.9		
EPS Current Year Chg (Est.%)	117.1%		
5-Year EPS Growth Estimate	27.0%		
Sales Growth Next Year	23.0%		
EPS Surprise	0.00%		
Con. Rating			

Returns vs Benchmarks ⓘ

	Stock	Industry	S&P 500
Sentiment Score	87	65	66
5-Day Return	-6.5%	1.7%	-1.0%
1-Month Return	1.4%	4.8%	2.2%
YTD Return	1.6%	4.9%	2.0%
1-Year Return	79.6%	53.4%	27.3%
3-Year Return	83.0%	88.5%	54.0%
5-Year Return	49.2%	135.5%	76.4%
Beta 1-Year	1.37	1.42	0.99

Valuation ⓘ

	Stock	Industry	S&P 500
Value Score	75	56	74
Price / Earnings	25.0	29.4	25.1
Price / Sales	4.5	5.2	2.4
Price / Free Cash Flow	17.1	28.0	26.9
Price / Book	20.9	4.9	3.7
Price / Tangible Book	-	100+	100+
EV / EBITDA	11.2	11.9	14.9
EPS Predict. Pctl.	31	51	27
Cash Flow Predict. Pctl.	38	35	24
5-Year P/E Range	12.4		-
5-Year P/B Range	2.0		75.5
5-Year P/S Range	2.8		5.8



5G...

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Growth

Growth Score

Stock

Industry **57**S&P 500 **77****Sales Growth**

Sales Growth Next Year

23.0%

7.5%

6.9%

Sales 1-Year Chg (%)

12.9%

-8.7%

3.6%

Sales 3-Year Avg (%)

0.7%

3.5%

8.3%

Sales 5-Year Avg (%)

-2.1%

1.1%

3.0%

EPS Growth

Next Y. Growth Est.

45.6%

16.8%

14.8%

EPS 1-Year Chg (%)

131.1%

-50.3%

6.2%

EPS 3-Year Avg (%)

3.1%

30.2%

19.5%

EPS 5-Year Avg (%)

-5.4%

6.8%

12.9%

EBITDA Growth

Forward EBITDA Growth

-31.1%

-

-

EBITDA 1-Year (%)

179.6%

-12.4%

10.8%

EBITDA 3-Year Avg (%)

7.3%

8.9%

10.9%

EBITDA 5-Year Avg (%)

-1.9%

2.1%

5.9%

Profitability

Quality Score

Stock

Industry **62**S&P 500 **80**

Gross Margin

64.6%

47.9%

29.1%

Operating Margin

31.6%

21.7%

13.4%

Net Margin

18.1%

17.8%

9.6%

Return on Assets

13.3%

0.1%

0.1%

Return on Equity

89.4%

0.2%

0.2%

ROIC

22.8%

15.8%

16.0%

Financial Health

Current Ratio

1.9

Quick Ratio

1.7

Price

\$89.65

Net Cash Per Share

-\$3.15

Equity Per Share

\$4.30

Debt / Equity

3.3

Interest Coverage

12.9

Ratings vs. Peers

Overall Ratings Score

96 ★★★★★

Growth Ratings Score

87 ★★★★★

Valuation Ratings Score

59 ★★★☆☆

Efficiency Ratings Score

96 ★★★★★

Financial Strength Ratings Score

55 ★★★☆☆

Dividends Ratings Score

75 ★★★★★

Momentum Ratings Score

95 ★★★★★

Dividends

Dividend Yield

Stock 2.8%

Industry 2.0%

S&P 500 1.8%

Payout Ratio

68.5%

63.2%

44.0%

TTM Yield

2.8%

-

1.7%

Dividend Per Share

\$2.48

\$1.98

\$62.96

Dividend 1-Year Chg (%)

0.0%

20.4%

9.4%

Dividend 3-Year Avg (%)

5.4%

26.5%

5.7%

Dividend 5-Year Avg (%)

8.1%

21.5%

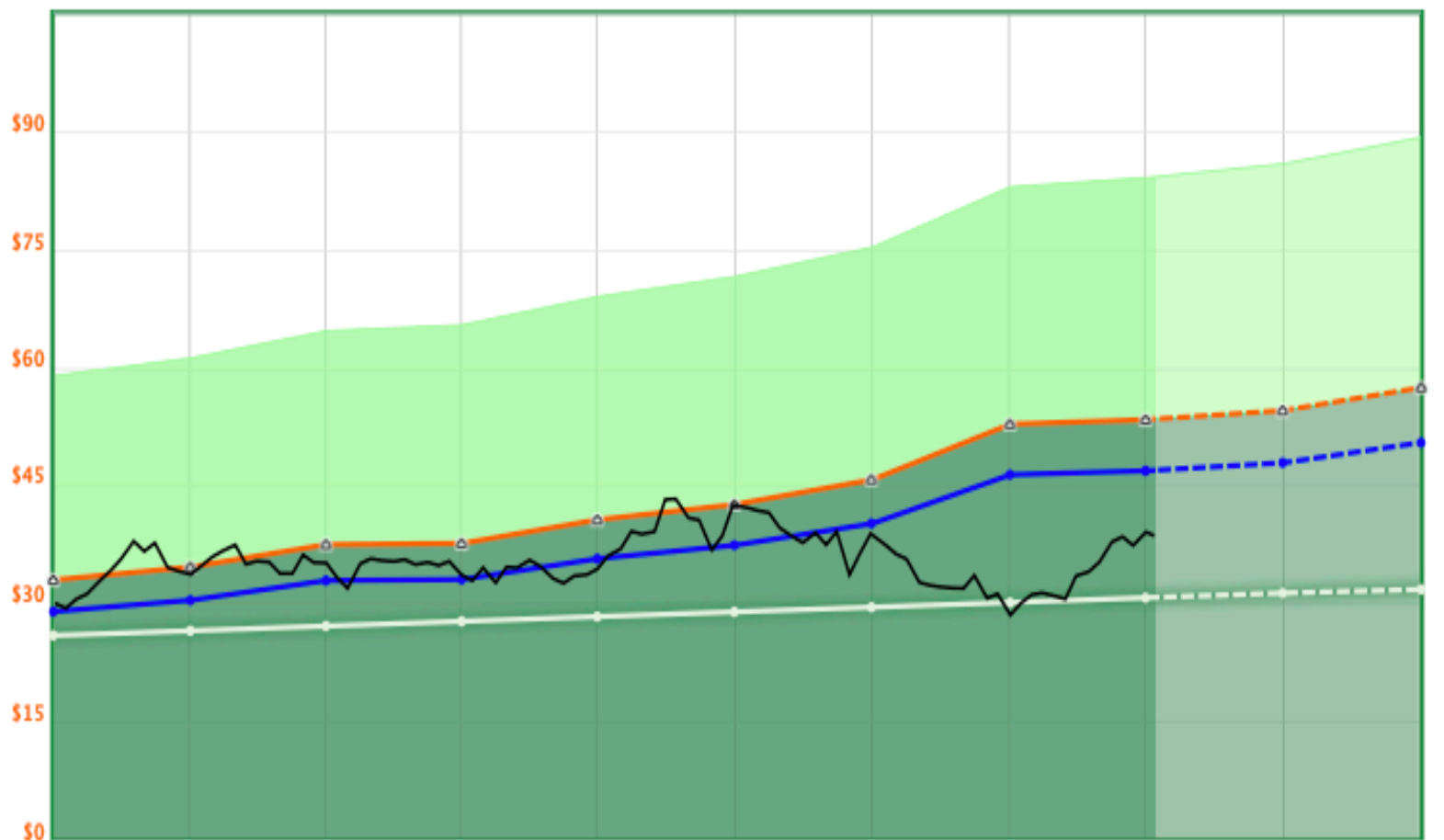
6.7%

FASTgraphs Price Correlated with Fundamentals AT&T INC(NYS:T)

Help On/Off

20Y	19Y	18Y	17Y	16Y	15Y	14Y	13Y	12Y	11Y	10Y	9Y	8Y	7Y	6Y	5Y	4Y	3Y	All
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----	----	----	----	----	----	----	-----

Year	2012	2013	2014	2015	2016	2017	2018	2019	2020
High	38.58	39.00	37.48	36.45	43.89	43.03	39.29	39.70	N/A
Low	29.02	32.76	31.74	30.97	33.41	32.55	26.80	28.30	N/A



FY Date	12/12	12/13	12/14	12/15	12/16	12/17	12/18	12/19	12/20	12/21
EPS	2.31	2.50	2.51	2.71	2.84	3.05	3.52	3.56 E	3.64 E	3.83 E
Chg/Yr	5%	8%	0%	8%	5%	7%	15%	1%	2%	5%
Div	1.77	1.81	1.85	1.89	1.93	1.97	2.01	2.05	2.09	2.12

FAST FACTS

01/23/2020

Price: **38.63 USD**

SHARE

Blended P/E: 10.84

Blended Adjusted Earnings Yld: 9.22%

Div Yld: 5.38%

GRAPH KEY

Dividends Declared █

Adjusted (Operating) Earnings Growth Rate 5.70%

Normal P/E Ratio 13.17

GDF...P/E=G 15.00

Recessions █

Dividend Yield & Payout █

COMPANY INFORMATION

Sub-industry class:
Major Telecommunications

Market Cap: 282.192 Bil.

TEV: 479.652 Bil.

CSCO

INSG

INTC

NOK

QCOM

T

Scores

Fair Value	\$49.24	
Margin of Safety	28%	
Value Score	87	
Growth Score	83	
Quality Score	77	
Sentiment Score	97	
Piotroski F Score	5	
Altman Z-Score	1.1	

Estimates

Avg. Tgt. Price	\$30.00	\$47.00
Tgt. Price and Chg. (%)	\$39.10 (1.56%)	
Price / Earnings	17.3	
Forward P/E	10.7	
PEG Forward	2.6	
EPS Current Year Chg (Est.%)	33.1%	
5-Year EPS Growth Estimate	4.1%	
Sales Growth Next Year	0.4%	
EPS Surprise	1.08%	
Con. Rating		

Returns vs Benchmarks

	Stock	Industry	S&P 500
Sentiment Score	97	53	66
5-Day Return	0.3%	-0.2%	-1.0%
1-Month Return	-0.1%	1.0%	2.2%
YTD Return	-0.2%	1.0%	2.0%
1-Year Return	32.1%	9.2%	27.3%
3-Year Return	8.6%	9.0%	54.0%
5-Year Return	49.5%	9.0%	76.4%
Beta 1-Year	0.56	0.38	0.99

Valuation

	Stock	Industry	S&P 500
Value Score	87	63	74
Price / Earnings	17.3	24.8	25.1
Price / Sales	1.6	1.4	2.4
Price / Free Cash Flow	9.7	16.3	26.9
Price / Book	1.5	1.8	3.7
Price / Tangible Book	-	-	100+
EV / EBITDA	7.9	8.4	14.9
EPS Predict. Pctl.	24	47	27
Cash Flow Predict. Pctl.	2	27	24
5-Year P/E Range	5.3	43.8	
5-Year P/B Range	1.1	2.5	
5-Year P/S Range	1.1	1.7	

CSCO

INSG

INTC

NOK

QCOM

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Growth

	Stock	Industry	S&P 500
Growth Score	83	54	77

Sales Growth

	Stock	Industry	S&P 500
Sales Growth Next Year	0.4%	1.1%	6.9%
Sales 1-Year Chg (%)	6.7%	6.1%	3.6%
Sales 3-Year Avg (%)	3.6%	4.1%	8.3%
Sales 5-Year Avg (%)	6.6%	8.5%	3.0%

EPS Growth

	Stock	Industry	S&P 500
Next Y. Growth Est.	1.4%	1.0%	14.8%
EPS 1-Year Chg (%)	-22.3%	-4.9%	6.2%
EPS 3-Year Avg (%)	2.2%	12.0%	19.5%
EPS 5-Year Avg (%)	13.2%	9.5%	12.9%

EBITDA Growth

	Stock	Industry	S&P 500
Forward EBITDA Growth	3.1%	-	-
EBITDA 1-Year (%)	-4.2%	2.5%	10.8%
EBITDA 3-Year Avg (%)	5.1%	5.1%	10.9%
EBITDA 5-Year Avg (%)	13.1%	11.1%	5.9%

Ratings vs. Peers

Overall Ratings Score	89	★★★★☆
Growth Ratings Score	90	★★★★☆
Valuation Ratings Score	76	★★★★☆
Efficiency Ratings Score	67	★★★☆☆
Financial Strength Ratings Score	51	★★★☆☆
Dividends Ratings Score	87	★★★★☆
Momentum Ratings Score	54	★★★☆☆

Profitability

	Stock	Industry	S&P 500
Quality Score	77	60	80
Gross Margin	53.6%	52.6%	29.1%
Operating Margin	15.8%	14.3%	13.4%
Net Margin	9.0%	5.9%	9.6%
Return on Assets	3.0%	0.0%	0.1%
Return on Equity	8.9%	0.1%	0.2%
ROIC	6.3%	6.4%	16.0%

Financial Health

Current Ratio	0.7
Quick Ratio	0.7
Price	\$38.50
Net Cash Per Share	-\$24.69
Equity Per Share	\$25.06
Debt / Equity	1.0
Interest Coverage	3.5

Dividends

	Stock	Industry	S&P 500
Dividend Yield	5.4%	3.9%	1.8%
Payout Ratio	91.5%	62.8%	44.0%
TTM Yield	5.3%	-	1.7%
Dividend Per Share	\$2.08	\$1.03	\$62.96
Dividend 1-Year Chg (%)	2.0%	25.2%	9.4%
Dividend 3-Year Avg (%)	2.0%	8.3%	5.7%
Dividend 5-Year Avg (%)	2.0%	5.6%	6.7%