

How to Be a Computer Geek Investor

Tips for Computer Savvy Investors

February 1, 2015
D.C. Regional Chapter of BetterInvesting

What We'll Cover

Sources of investor information

Tools for analyzing companies

Sources of Information

Google Finance and Yahoo Finance

Library on-line (Value Line, Morningstar, and S&P 500)

Stock Rover (free and premium)

Manifest Investing (subscription)

AAll Stock Investor Pro (subscription)

Finance **Boston Beer Co Inc (NYSE:SAM)** [Add to portfolio](#) [More results](#)

- Company
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 - Financials

164.00 **-4.80 (-2.84%)** G+1 23

Jan 15 - Close

NYSE real-time data - Disclaimer

Currency in USD

Range	163.01 - 167.24	Div/yield	-
52 week	163.01 - 325.00	EPS	7.43
Open	165.00	Shares	9.55M
Vol / Avg.	285,799.00/178,660.00	Beta	0.72
Mkt cap	2.12B	Inst. own	90%
P/E	22.06		

Dow Jones	15,988.08	-2.39%	<div style="width: 100%; height: 10px; background-color: #f00;"></div>
S&P 500	1,880.33	-2.16%	<div style="width: 100%; height: 10px; background-color: #f00;"></div>
Non-Cyclica...		-1.51%	<div style="width: 100%; height: 10px; background-color: #f00;"></div>
SAM	164.00	-2.84%	<div style="width: 100%; height: 10px; background-color: #f00;"></div>

- Markets
- News
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- Stock screener
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- News** [Relevance](#) | [Date](#)
- E** Boston Beer Co Inc - Get News & Ratings Daily EMQ - Jan 6, 2016
 - F** Jefferies Downgrades Boston Beer On Guidance Risk, Likes Spectrum Brands And ... Benzinga - Jan 8, 2016
 - G** Nomura Downgrades Boston Beer Co Inc (SAM) to Neutral Corvus Business Newswire - Jan 14, 2016
 - H** Boston Beer Co Inc (SAM) Raised to Hold at Zacks Investment Research EMQ - Jan 7, 2016

[All news for Boston Beer Co Inc >](#) [Subscribe](#)

- Events** [Add SAM to my calendars](#)
- Feb 22, 2016 Q4 2015 Boston Beer Co Inc Earnings Release (Estimated) - 4:00PM EST -
 - Oct 29, 2015 Q3 2015 Boston Beer Co Inc Earnings Call -
 - Oct 29, 2015

Volume delayed by 15 mins.
Prices are not from all markets.
Sources include SIX.





Finance

MicNOVA

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Overview | Fundamentals | Performance | Transactions

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<input type="checkbox"/>	Name	Symbol	Last price	Change	Shares	Cost basis	Mkt value	Gain	Gain %	Day's gain	Overall return
<input type="checkbox"/>	AbbVie Inc	ABBV	58.65	-0.17 (-0.30%)	41.00	1,349.76	2,404.65	+1,054.89	+78.15%	-7.17	0.00%
<input type="checkbox"/>	Air Lease Corp	AL	24.64	-0.89 (-3.49%)	70.00	2,444.80	1,724.80	-720.00	-29.45%	-62.30	0.00%
<input type="checkbox"/>	Apple Inc.	AAPL	99.44	-1.98 (-1.95%)	35.00	1,704.88	3,480.40	+1,775.52	+104.14%	-69.30	0.00%
<input type="checkbox"/>	Berkshire Hathaway Inc.	BRK.B	124.12	-2.96 (-2.33%)	25.00	3,133.42	3,103.00	-30.42	-0.97%	-74.00	0.00%
<input type="checkbox"/>	Boston Beer Co Inc	SAM	163.55	-1.07 (-0.65%)	13.00	2,869.23	2,126.15	-743.08	-25.90%	-13.91	0.00%
<input type="checkbox"/>	C.H. Robinson Worldwide...	CHRW	62.72	-1.51 (-2.35%)	37.00	2,065.21	2,320.64	+255.43	+12.37%	-55.87	0.00%
<input type="checkbox"/>	Cognizant Tech...	CTSH	60.92	+0.41 (0.68%)	60.00	2,219.00	3,655.20	+1,436.20	+64.72%	+24.60	0.00%
<input type="checkbox"/>	Exxon Mobil Corporation	XOM	74.02	-2.55 (-3.33%)	20.00	1,229.80	1,480.40	+250.60	+20.38%	-51.00	0.00%
<input type="checkbox"/>	Gentex Corporation	GNTX	13.45	-0.19 (-1.39%)	160.00	2,368.40	2,152.00	-216.40	-9.14%	-30.40	0.00%
<input type="checkbox"/>	Intel Corporation	INTC	29.60	-0.32 (-1.09%)	60.00	1,286.80	1,776.00	+489.20	+38.02%	-19.50	0.00%
<input type="checkbox"/>	IPG Photonics Corporatio...	IPGP	79.93	-1.56 (-1.91%)	30.00	2,207.00	2,397.90	+190.90	+8.65%	-46.80	0.00%
<input type="checkbox"/>	ITC Holdings Corp.	ITC	39.04	-0.41 (-1.04%)	65.00	2,217.00	2,537.60	+320.60	+14.46%	-26.65	0.00%
<input type="checkbox"/>	JPMorgan Chase & Co.	JPM	55.66	-1.29 (-2.27%)	25.00	1,125.50	1,391.50	+266.00	+23.63%	-32.25	0.00%
<input type="checkbox"/>	LKQ Corporation	LKQ	26.06	-0.71 (-2.65%)	100.00	2,545.93	2,606.00	+60.07	+2.36%	-71.00	0.00%
<input type="checkbox"/>	Mastercard Inc	MA	86.77	-1.23 (-1.40%)	25.00	1,919.50	2,169.25	+249.75	+13.01%	-30.75	0.00%
<input type="checkbox"/>	Microsoft Corporation	MSFT	51.79	-0.50 (-0.96%)	50.00	1,272.00	2,589.50	+1,317.50	+103.58%	-25.00	0.00%
<input type="checkbox"/>	Oracle Corporation	ORCL	34.34	-0.46 (-1.32%)	50.00	1,472.00	1,717.00	+245.00	+16.64%	-23.00	0.00%
<input type="checkbox"/>	QUALCOMM, Inc.	QCOM	47.58	-0.49 (-1.02%)	40.00	2,492.00	1,903.20	-588.80	-23.63%	-19.60	0.00%
<input type="checkbox"/>	T. Rowe Price Group Inc	TROW	65.41	-2.02 (-3.00%)	30.00	2,206.00	1,962.30	-243.70	-11.05%	-60.60	0.00%
<input type="checkbox"/>	Visa Inc	V	71.74	-0.96 (-1.32%)	20.00	1,087.53	1,434.80	+347.27	+31.93%	-19.20	0.00%

Cash - Deposit / Withdraw

Portfolio value:	-713.70 (-1.56%)	\$39,215.76	\$44,932.29	+\$5,716.53	+14.58%	-\$713.70	0.00%
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Add symbol: Add to portfolio [Add transaction data](#)

Performance



Portfolio related news

[The Core Guide to Apple Inc.](#)

When people think Apple Inc. (AAPL - Analyst Report), they primarily associate the multinational, Silicon Valley-based corporation with iPods, MacBook Pros, iTunes, and the company's founder Steve Jobs.
 Zacks.com - 3 hours ago

[Is Apple, Inc. Still Optimistic About These Products?](#)

Here's a look at Tim Cook's thoughts on iPhone and Watch sales. Has his opinion shifted? Daniel Sparks. (TMFDanielSparks).
 Motley Fool - 6 hours ago

[Apple, Inc.'s Electric Car Ambitions May Have Hit a Speed Bump](#)

The fabled electric Apple (NASDAQ:AAPL) Car may have just hit a bump in the road. The Wall Street Journal is reporting that Steve Zadesky, who has been at Apple for 16 years and was most recently in charge of the electric car project dubbed Project ...
 Motley Fool - 10 hours ago

Events - [Upcoming](#) | [Past](#)

- Jan 26, 2016
 Q1 2016 Apple Inc Earnings Release - 4:00PM EST - [📅](#)
- Jan 26, 2016
 Q1 2016 Apple Inc Earnings Call - 5:00PM EST - [📅](#)
- Jan 27, 2016
 Q1 2016 Qualcomm Inc Earnings Release - 4:00PM EST - [📅](#)
- Jan 27, 2016
 Q1 2016 Qualcomm Inc Earnings Call - 4:45PM EST - [📅](#)
- Jan 28, 2016
 Q4 2015 T. Rowe Price Group Inc Earnings Release - 9:30AM EST - [📅](#)
- Jan 28, 2016
 Q1 2016 Visa Inc Earnings Release - 9:30AM EST - [📅](#)
- Jan 28, 2016
 Q4 2015 Gentex Corp Earnings Release - 9:30AM EST - [📅](#)
- Jan 28, 2016
 Q4 2015 Gentex Corp Earnings Call - 10:30AM EST - [📅](#)
- Jan 28, 2016
 Q2 2016 Microsoft Corp Earnings Release - 4:00PM EST - [📅](#)
- Jan 28, 2016
 Q1 2016 Visa Inc Earnings Call - 5:00PM EST - [📅](#)
- Jan 28, 2016
 Q2 2016 Microsoft Corp Earnings Call - 5:30PM EST - [📅](#)
- Jan 29, 2016
 Q1 2016 Visa Inc Earnings Call - 5:00PM EST - [📅](#)



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Mon, Jan 25, 2016, 7:21pm EST - US Markets are closed Streaming Report an Issue

Dow -1.29% Nasdaq -1.58%

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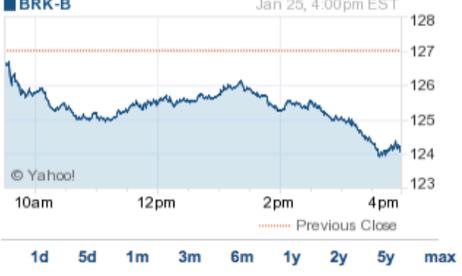
Berkshire Hathaway Inc. (BRK-B) - NYSE Watchlist

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124.13 -2.91 (2.29%) 4:01PM EST
After Hours : 124.28 +0.15 (0.12%) 7:02PM EST

Prev Close:	127.04	Day's Range:	123.90 - 126.90
Open:	126.55	52wk Range:	123.90 - 151.63
Bid:	124.01 x 100	Volume:	5,084,321
Ask:	124.13 x 400	Avg Vol (3m):	3,979,640
1y Target Est:	N/A	Market Cap:	305.99B
Beta:	0	P/E (ttm):	13.45
Next Earnings Date:	N/A	EPS (ttm):	9.23
		Div & Yield:	N/A (N/A)

Berkshire Hathaway Inc. New Com



Quotes delayed, except where indicated otherwise. Currency in USD.

Headlines

- My 3 Biggest Stock Holdings at Motley Fool (Mon 7:03PM EST)
- Berkshire Hathaway Acquisition of Precision Castparts to Close on Friday, January 29, 2016 GlobeNewswire (Mon 4:04PM EST)
- Berkshire Hathaway Acquisition of Precision Castparts to Close on Friday, January 29, 2016 Business Wire (Mon 4:01PM EST)
- Heizberg Diamonds Surprises Lucky Bachelor With An Offer He Can't Refuse: A Free Ring If He Proposes In 48 Hours PR Newswire (Mon 11:30AM EST)
- "My Partner, Charlie" Yahoo Finance Contributors (Sat, Jan 23)
- New Yorkers Really Don't Know Their Fortune 500 CEOs at Fortune (Fri, Jan 22)

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DASHBOARD BROWSE RESEARCH MARKETS FIND IDEAS INVESTMENT EDUCATION SUBSCRIBE INSTITUTIONAL

Boston Beer 'A' NYSE:SAM

Last Price \$164.00	Day Change -\$4.80 (-2.84%)	Trailing P/E 23.20	Relative P/E 1.85	Dividend Yield --	Target Price Range \$215.00 - 325.00	Timeliness 3	Safety 3	Financial Strength A
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As of 3:59 PM Jan 15, 2016. Delayed at least 15 minutes.

Industry Rank: Beverage - 9 (of 96) PDF Reports

CURRENT LIST

RANKS

SAFETY

3

Downgraded on Jan 17, 2014

Industry - Beverage

The Safety™ Rank measures the total risk...

TIMELINESS

3

Downgraded on Nov 27, 2015

Industry - Beverage

The Timeliness™ Rank measures...

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FINANCIAL STRENGTH GRADE RATING

FINANCIAL STRENGTH

A

Upgraded on Feb 13, 2010

Peers

A	■	■	■	■	■
B	■	■	■	■	■
C	■	■	■	■	■

Industry - Beverage

A	■	■	■	■	■
B	■	■	■	■	■
C	■	■	■	■	■

Investment Survey

A	■	■	■	■	■
B	■	■	■	■	■
C	■	■	■	■	■

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COMMENTARY

Click icons to view commentaries. Color indicates the number of rank & rating changes. Least Most

3-5 YEAR PROJECTIONS

Price Projection [Explain](#)

	2015	2017	2019
Boston Beer 'A' Price (actual)			350

BOSTON BEER CO. NYSE-SAM				RECENT PRICE	P/E RATIO	RELATIVE P/E RATIO	DIV'D YLD	VALUE LINE											
				172.42	22.8 (Trailing: 23.2 Median: 24.0)	1.37	Nil												
TIMELINESS 3 Lowered 12/4/15	High: 28.0	27.3	37.5	55.3	54.2	48.6	100.9	115.5	142.5	265.5	299.0	325.0	Target Price Range						
SAFETY 3 Lowered 1/24/14	Low: 16.4	19.8	24.8	30.8	25.5	17.5	22.7	71.0	94.2	134.4	202.8	195.0	2018	2019	2020				
TECHNICAL 3 Raised 1/8/16	LEGENDS — 16.5 x "Cash Flow" p sh Relative Price Strength Options: Yes Shaded area indicates recession																		
BETA .90 (1.00 = Market)																			
2018-20 PROJECTIONS																			
	Price	Gain	Ann'l Total Return																
High	325	(+90%)	17%																
Low	215	(+25%)	6%																
Insider Decisions																			
	F	M	A	M	J	J	A	S	O										
to Buy	0	0	0	0	0	0	1	0	0										
Options	3	5	2	2	1	0	2	0	1										
to Sell	3	6	3	3	2	0	3	0	1										
Institutional Decisions																			
	1Q2015	2Q2015	3Q2015																
to Buy	143	121	124																
to Sell	84	103	98																
Hld's(000)	8724	8597	8601																
													Percent shares traded	30	20	10			
													% TOT. RETURN 12/15						
													1 yr.	-30.3	-6.9				
													3 yr.	50.2	37.7				
													5 yr.	112.3	52.1				
													© VALUE LINE PUB. LLC 18-20						
1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	Sales per sh ^A	128.00
9.20	11.56	11.42	13.87	15.41	15.21	17.07	20.00	24.05	28.10	29.13	34.62	39.85	44.97	57.98	69.09	74.60	84.00	"Cash Flow" per sh	16.40
.88	1.07	.89	.89	1.31	1.23	1.44	1.62	2.38	2.31	3.37	5.04	5.43	6.17	7.55	9.63	10.70	12.25	Earnings per sh ^{AB}	10.75
.54	.62	.48	.47	.70	.86	1.07	1.27	1.85	1.45	2.17	3.52	3.73	4.39	5.18	6.69	7.35	8.30	Div'ds Decl'd per sh	Nil
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Nil	Cap'l Spending per sh	12.00
.20	.34	.20	.15	.13	.32	1.00	.63	1.80	4.20	1.19	1.02	1.52	5.12	7.90	11.61	7.70	8.80	Book Value per sh	75.85
4.34	4.47	4.78	5.08	4.63	5.49	6.16	7.61	9.41	9.88	12.15	12.36	14.35	18.99	23.70	33.37	41.20	49.45	Common Shs Outst'g ^C	12.50
19.21	16.48	16.35	15.52	13.50	14.29	13.96	14.27	14.20	14.18	14.25	13.40	12.87	12.90	12.75	13.07	13.00	12.50	Avg Ann'l P/E Ratio	25.0
15.0	13.3	22.1	32.1	21.5	24.3	21.9	23.7	21.1	27.5	14.8	18.3	24.0	24.7	36.7	35.0	33.5		Relative P/E Ratio	1.55
.86	.86	1.13	1.75	1.23	1.28	1.17	1.28	1.12	1.66	.99	1.16	1.51	1.57	2.06	1.85	1.70		Avg Ann'l Div'd Yield	Nil
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
CAPITAL STRUCTURE as of 9/26/15						238.3	285.4	341.6	398.4	415.1	463.8	513.0	580.2	739.1	903.0	970	1050	Sales (\$mill) ^A	1600
Total Debt None						11.7%	11.5%	12.7%	6.7%	17.2%	21.3%	23.9%	20.0%	19.0%	20.3%	19.5%	20.5%	Operating Margin	18.5%

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End Session

Boston Beer Co Inc Class A SAM | ★★★★★

PDF Report

Analyst Research Analyst Report Archive Top Rated Stocks in Sector

The continued growth of craft beer in the U.S. should support continued gains at Boston Beer.



by [Adam Fleck](#)
 Sector Director

Investment Thesis 02/25/2015

Authors can be reached at [Analyst Feedback](#)
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Boston Beer has separated itself as the preeminent U.S. craft brewer, and we think the firm has carved a narrow economic moat based on its brand intangible assets. Craft beer has grown at an impressive rate over the past two decades at the expense of traditional value and premium offerings, with Boston Beer's above-premium Sam Adams brand a key driver. We believe the company has an opportunity to further expand its

national distribution, but we also expect the category's success to draw more competition, which could limit pricing power and share gains longer term. Nonetheless, we expect Boston Beer to enjoy further double-digit top-line growth over the next five years, with benefits of additional scale making their way to the bottom line.

The craft beer market in the U.S. (96% of Boston's revenue) is highly fragmented, with close to 3,000 breweries (both distribution-based and brewpub models), but we expect Boston Beer's leading position and strong resulting brand to help the firm maintain wider distribution and better cost leverage than the vast majority of smaller peers. However, Boston remains a much smaller brewer than major producers such as SABMiller and AB-Inbev (Boston brewed 4.8 million total hectoliters in 2014, compared with 245 million for SABMiller and 426 million for AB-Inbev (2013)

Morningstar's Take SAM

Analyst		
Price 01-15-2016	Fair Value Estimate	Uncertainty
164 USD	210 USD	Medium
Consider Buy	Consider Sell	Economic Moat
147 USD	283.5 USD	Narrow

Stewardship Rating
 Standard

Bulls Say

- Boston Beer's cider brand, Angry Orchard, is the largest in the U.S. by dollars, and the category is growing extremely quickly (100% in 2013).
- Boston Beer's opportunities on the U.S. West Coast and internationally support our view that it will continue double-digit growth over the next several years.
- Management has mentioned that when growth slows, the company plans to implement efficiency programs to expand margins.

Bears Say

- Boston Beer has approximately 1.5% of the U.S. beer market. MillerCoors and Anheuser-Busch have significantly larger shares at 27% and 47%, respectively.
- The company brews about 10% of its core brand product at facilities it does not own. If the contract breweries the firm uses

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Stock Report | January 16, 2016 | NYS Symbol: **SAM** | **SAM** is in the S&P MidCap 400



Boston Beer Co Inc. (The)

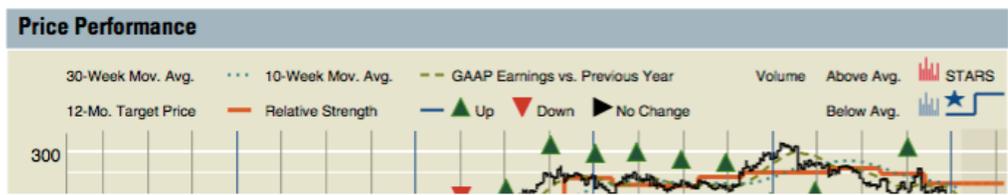
S&P Capital IQ Recommendation **HOLD** ★★☆☆☆
S&P Capital IQ Equity Analyst J. Agnese

Price \$164.00 (as of Jan 15, 2016 4:00 PM ET) **12-Mo. Target Price** \$227.00 **Report Currency** USD **Investment Style** Mid-Cap Growth

GICS Sector Consumer Staples **Sub-Industry** Brewers **Summary** This company is the largest craft brewer in the U.S., and the sixth largest brewer in the U.S.

Key Stock Statistics (Source S&P Capital IQ, Vickers, company reports)

52-Wk Range	\$325.00– 163.01	S&P Oper. EPS 2015E	7.25	Market Capitalization(B)	\$1.587	Beta	0.41
Trailing 12-Month EPS	\$7.43	S&P Oper. EPS 2016E	8.40	Yield (%)	Nil	S&P 3-Yr. Proj. EPS CAGR(%)	13
Trailing 12-Month P/E	22.1	P/E on S&P Oper. EPS 2015E	22.6	Dividend Rate/Share	Nil	S&P Quality Ranking	B+
\$10K Invested 5 Yrs Ago	\$17,659	Common Shares Outstg. (M)	13.3	Institutional Ownership (%)	89		



Analyst's Risk Assessment

LOW **MEDIUM** **HIGH**

While SAM operates in an industry that historically has exhibited stable revenue streams, it must compete against much larger peers.

Geek Tools

SSGs: BetterInvesting Online and Toolkit 6

Screening Tools: Stock Investor Pro, Prospector, Manifest Investing, Morningstar, Value Line, and Stock Rover

Google Sheets

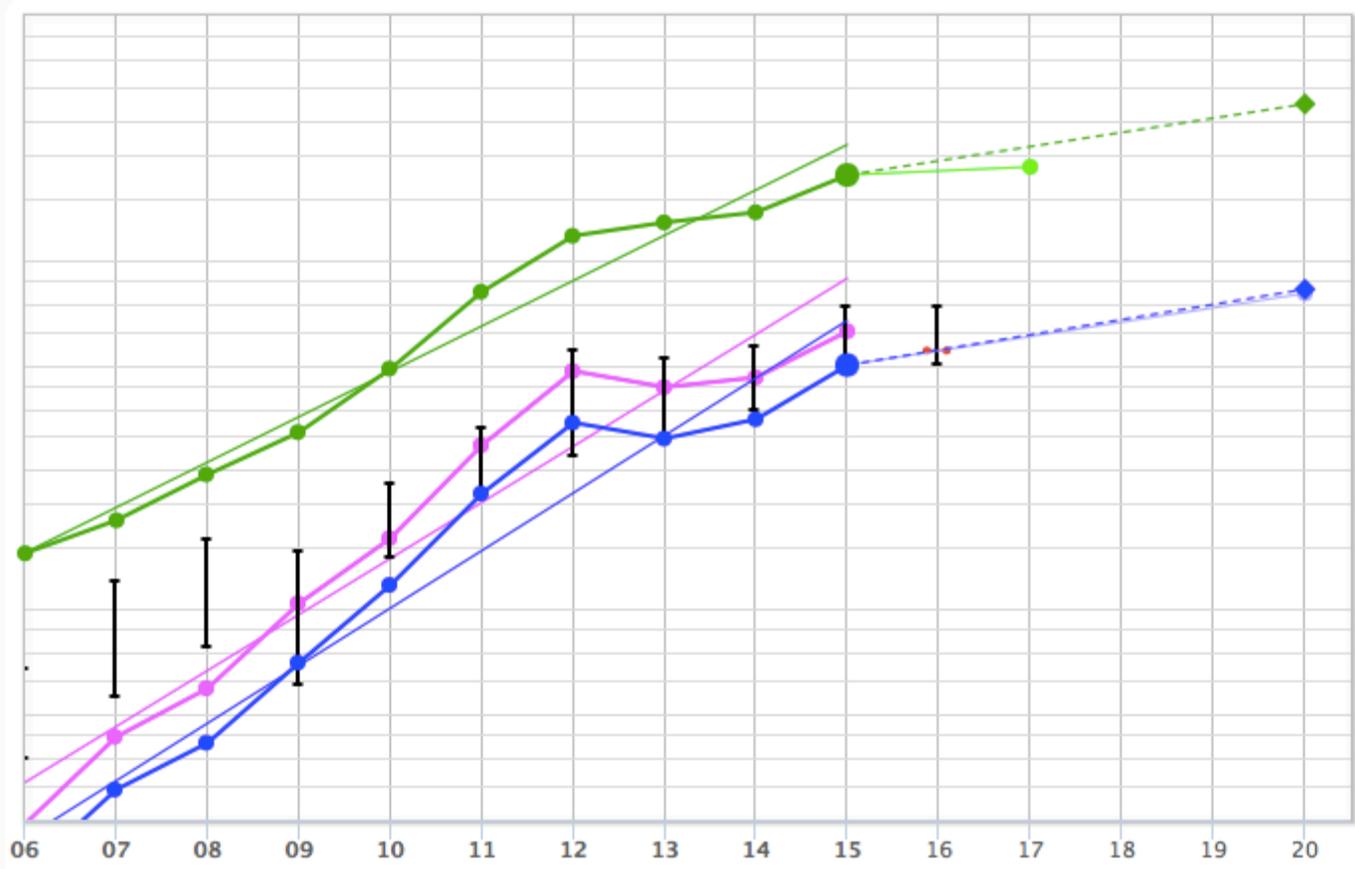
Google Finance

Analyze Growth and Quality Valuation and Return Quarterly Data

Company: Apple (AAPL)

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Projection Starting Point

Annual Quarter Trend

Recent Quarterly Figures

FY2015 Quarter Ending (09/15)

	Sales	EPS
Latest Quarter	51,501	1.96
Year Ago Quarter	42,123	1.42
Percentage Change	22.3%	38.1%

Analyst Consensus Estimates

Sales 2 Year Estimate:	2.7%
EPS Long Term Estimate:	9.9%

- Legend**
- Sales
 - Pre-Tax Profit
 - Prices Hi/Lo
 - EPS
 - Book Value
 - Free Cash Flow/Share
 - Dividend
 - Long-term Debt
 - Net Income
 - Shares Outstanding

View Peer Data

Fundamental Company Data

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Growth(%)	Forecast (%)	5 yr Est
Historical Sales	19,315	24,006	32,479	42,905	65,225	108,249	156,508	170,910	182,795	233,715	34.9%	9.8	372,991
Historical Earnings	0.32	0.56	0.77	1.30	2.17	3.95	6.31	5.68	6.45	9.22	46.1%	10.5	15.18
Pre-Tax Profit	2,818	5,008	6,895	12,066	18,540	34,205	55,763	50,155	53,483	72,515	44.7%		

Archive (228467 mess

Evaluate Management

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	5 Yr Avg



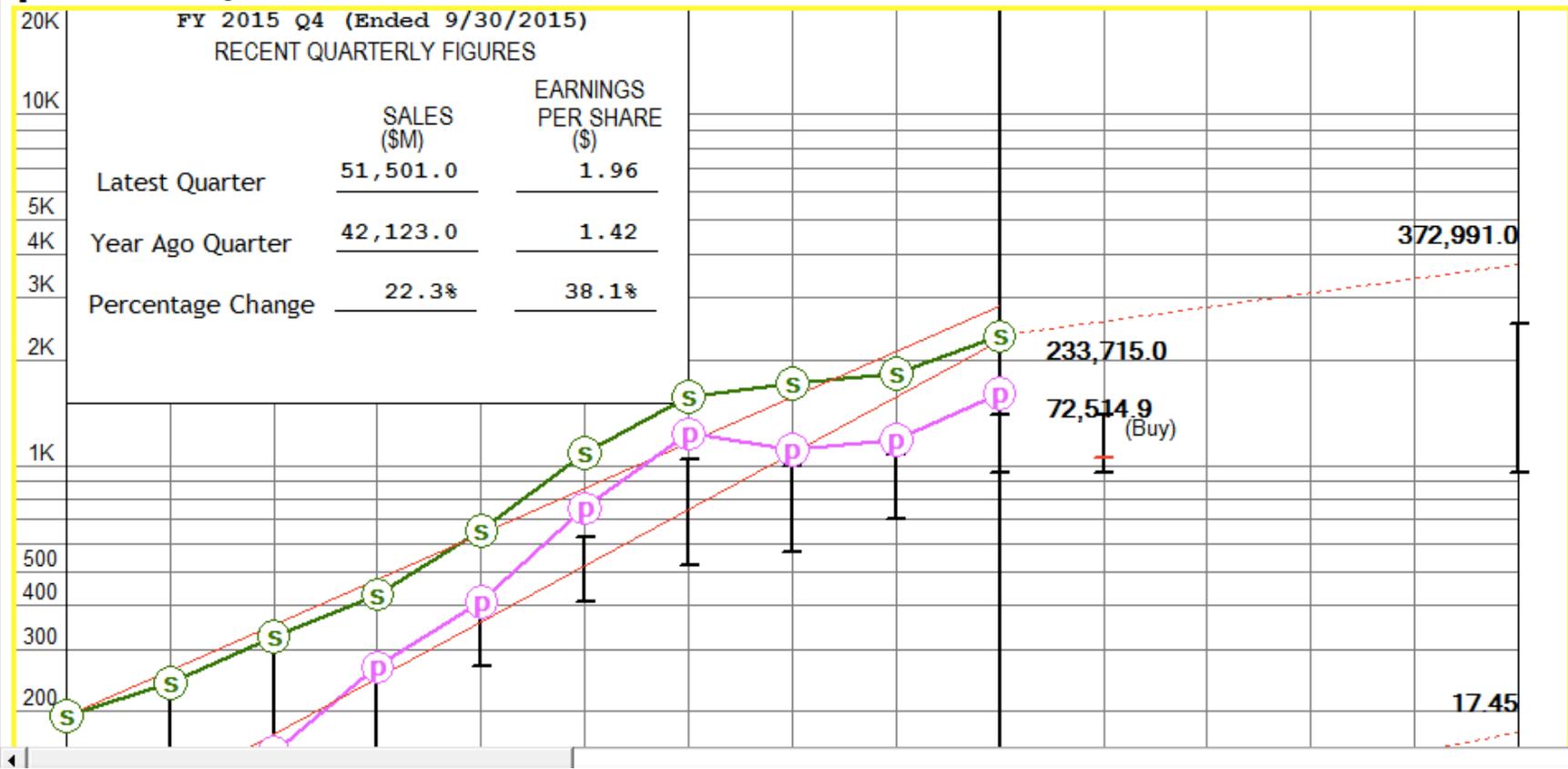


Stock Selection Guide

Company	APPLE COMPUTER INC	Price Date	01/22/16
Study by	jah	Data Date	01/22/16
Sector	Technology	Last Judgment	01/17/16
Industry	Consumer Electronics	Data Source	BI
Preferred(\$M)	0.0	Reference	
Diluted(M Shares)	5,682.5	% Insiders	0.2
Debt(\$M)	64,462.0	% Institutions	62.1
% Debt to Tot.Cap.	33.6	Quality	

1 Growth Analysis

NAS: AAPL



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
		Security	Ticker	Shares	Cur Price	Market Value	% Port.	Daily \$ Change	Daily % Change	YTD % Change	1 Yr % Change	Div Yld	Cur P/E	Market Cap \$	Market Cap Size	Cost	Port. Gain \$	Port. Gain %	
		Equities																	
		Air Lease Corp	AL	218.37	25.76	5,625	3.44%	305.72	5.75%	-23.06%	-28.56%	-	12	2,617	Medium	7,061	(1,436)	-20.33%	
		Alphabet Inc	GOOG	7.36	742.95	5,468	3.35%	88.25	1.64%	-2.10%	40.58%	-	35	517,242	Large	2,215	3,253	146.87%	
		Alphabet Inc	GOOGL	6.39	761.35	4,867	2.98%	83.43	1.74%	-2.14%	43.06%	-	36	517,242	Large	1,726	3,141	182.00%	
		Apple Inc.	AAPL	68.85	97.34	6,702	4.10%	223.75	3.45%	-7.52%	-17.95%	-	10	539,710	Large	3,956	2,746	69.40%	
		Atwood Oceanics, Inc.	ATW	506.51	6.13	3,105	1.90%	227.93	7.92%	-40.08%	-78.58%	-	1	397	Small	8,341	(5,236)	-62.78%	
		Berkshire Hathaway Inc.	BRK.B	99.24	129.58	12,859	7.87%	354.27	2.83%	-1.86%	-11.69%	-	0	319,651	Large	9,554	3,305	34.59%	
		Biogen Inc	BIIB	27.51	273.06	7,513	4.60%	195.36	2.67%	-10.87%	-29.98%	-	18	60,866	Large	8,000	(487)	-6.08%	
		C.H. Robinson Worldwide, Inc.	CHRW	104.62	64.77	6,776	4.15%	179.95	2.73%	4.43%	-11.81%	-	19	9,303	Large	5,741	1,035	18.03%	
		Chicago Bridge & Iron Company N.	CBI	198.57	38.82	7,709	4.72%	345.52	4.69%	-0.44%	6.94%	-	NMF	4,071	Medium	7,777	(68)	-0.88%	
		Cognizant Technology Solutions Cc	CTSH	120.11	63.31	7,604	4.65%	236.61	3.21%	5.48%	16.57%	-	25	38,497	Large	6,003	1,601	26.67%	
		CSX Corporation	CSX	161.25	23.02	3,712	2.27%	104.81	2.91%	-11.29%	-31.65%	-	11	22,443	Large	3,400	312	9.18%	
		Exxon Mobil Corporation	XOM	45.80	77.57	3,553	2.17%	26.56	0.75%	-0.49%	-13.41%	-	16	324,085	Large	3,891	(338)	-8.70%	
		IPG Photonics Corporation	IPGP	86.56	80.83	6,997	4.28%	292.59	4.36%	-9.34%	6.43%	-	18	4,266	Medium	6,000	997	16.62%	
		Microsoft Corporation	MSFT	127.74	55.09	7,037	4.31%	387.05	5.83%	-0.70%	33.45%	-	39	435,724	Large	2,693	4,344	161.31%	
		National-Oilwell Varco, Inc.	NOV	156.03	32.51	5,072	3.10%	226.24	4.67%	-2.93%	-42.35%	-	10	12,227	Large	9,107	(4,035)	-44.30%	
		Polaris Industries Inc.	PII	75.34	73.84	5,563	3.40%	318.67	6.08%	-14.09%	-48.78%	-	11	4,841	Medium	8,000	(2,437)	-30.46%	
		Skyworks Solutions Inc	SWKS	99.03	68.92	6,825	4.18%	408.98	6.37%	-10.30%	-15.97%	-	14	13,174	Large	8,295	(1,470)	-17.72%	
		T. Rowe Price Group Inc	TROW	116.01	70.95	8,231	5.04%	293.51	3.70%	-0.76%	-11.32%	-	15	17,815	Large	8,631	(400)	-4.63%	
		Wells Fargo & Co	WFC	150.04	50.21	7,533	4.61%	193.55	2.64%	-7.63%	-4.92%	-	12	256,565	Large	7,798	(265)	-3.39%	
		WisdomTree Investments, Inc.	WETF	344.89	12.00	4,139	2.53%	237.97	6.10%	-23.47%	-32.17%	-	24	1,660	Medium	5,024	(885)	-17.62%	
		Index Funds																	
		PowerShares Dynamic Biotech &G	PBE	179.79	38.53	6,927	4.24%	97.09	1.42%	-23.73%	-26.92%	-		285		6,150	777	12.64%	
		Vanguard REIT Index Fund	VNQ	109.91	76.97	8,460	5.18%	168.17	2.03%	-3.46%	-10.83%	-		27,111		5,407	3,053	56.46%	
		Vanguard Emerging Markets Stock	VWO	149.14	30.83	4,598	2.81%	156.59	3.53%	-5.75%	-24.16%	-		31,794		6,175	(1,577)	-25.54%	
		Vanguard Small-Cap ETF	VB	70.20	102.24	7,177	4.39%	218.31	3.14%	-7.59%	-11.19%	-		10,609		5,372	1,805	33.60%	
		Vanguard Small-Cap Value ETF	VBR	79.37	92.46	7,338	4.49%	225.40	3.17%	-6.39%	-10.49%	-		5,360		5,580	1,758	31.51%	
		Cash				2,000	1.22%									5,453			

Quotes are not sourced from all markets and may be delayed up to 20 minutes. Information is provided 'as is' and solely for informational purposes, not for trading purposes or advice. Disclaimer

Syntax

`GOOGLEFINANCE(ticker, [attribute], [start_date], [num_days|end_date], [interval])`

- `ticker` - The ticker symbol for the security to consider.
- `attribute` - [OPTIONAL - "price" by default] - The attribute to fetch about `ticker` from Google Finance.
 - `attribute` is one of the following for realtime data:
 - "price" - Realtime price quote, delayed by up to 20 minutes.
 - "priceopen" - The price as of market open.
 - "high" - The current day's high price.
 - "low" - The current day's low price.
 - "volume" - The current day's trading volume.
 - "marketcap" - The market capitalization of the stock.
 - "tradetime" - The time of the last trade.
 - "datadelay" - How far delayed the realtime data is.
 - "volumeavg" - The average daily trading volume.
 - "pe" - The price/earnings ratio.
 - "eps" - The earnings per share.
 - "high52" - The 52-week high price.
 - "low52" - The 52-week low price.
 - "change" - The price change since the previous trading day's close.
 - "beta" - The beta value.

Google Sheets

Example 1 - Google Finance Functions

Example 2 - Stock Watch List

Example 3 - Watch List and Holdings

Example 4 - Portfolio Tracker

Example 5 - Compare Mutual Funds

Boston Beer (SAM)

Equity Analysis Guide News

Company	Ticker	Sector Industry	Quality	PAR
Boston Beer	SAM	Staples Beverage (Alcoholic)	92	18.4%
Current Price (01/15)				\$164.00
CAPS Rating (Rate this stock on CAPS)				★★★★★
Expected Income Statement				
Current Sales				981.4
Sales Growth Forecast				15.1%
Net Profit Margin				10.0%
Projected Shares Outstanding				13.02
EPS - Five year Forecast				\$15.25
Average P/E Ratio				25.0
Projected Average Price				\$381.23
Price Appreciation (Annualized)				18.4%
Annual Dividend Yield				0.0%
Projected Annual Return				18.4%
Quality				
Financial Strength			89	22.2
EPS Stability			80	20.0

MIPAR	9.8%
Sweet Spot	14.8% - 19.8%

Top In Beverage (Alcoholic)

Ticker	Quality	PAR
SAM	92	18.4%
DEO	83	7.4%
BF-B	91	5.1%
BUD	74	8.3%
BREW	39	15.2%

Top In Staples

Ticker	Quality	PAR
HAIN	97	19.2%
SAM	92	18.4%
TFM	79	19.0%
MNST	100	13.7%
UNFI	88	23.3%

EAGLE: Boston Beer (SAM)

Edit

MIPAR	9.8%
Sweet Spot	14.8% - 19.8%

Income Statement	01/15/2016	Annual Rates	Income Statement	01/15/2021
Sales (Trailing 12-Mon)	981.4	15.1%	Sales (5-Year Forecast)	1,985.9
Net Margin	9.8%		Net Margin	10.0%
Share (M)	12.9		Share (M)	13.0
Earnings Per Share	\$7.43	15.5%	Earnings Per Share	\$15.25
P/E Ratio	22.1		P/E Ratio Forecast	25.0
Stock Price	\$164.00	18.4%	Stock Price Forecast	\$381.23
			Payout Ratio	0.0%
			Projected Div Yield	0.0%
			Projected Annual Return	18.4%

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Public Dashboard: MICNOVA

Model Investment Club of Northern Virginia -- <http://micnova.net> (Updated: 2016-01-18)

01/19/2016												
Company	Symbol	Shares	Price	Value	% of Total	Growth	Proj P/E	Proj Yield	Fin Str	EPS Stab	Qty	PAR
Air Lease*	AL	70.00	\$26.05	\$1,823.50	4.0%	17.4%	13.0	0.4%	21%	87	70	25.6%
Apple Inc.	AAPL	35.00	\$97.13	\$3,399.55	7.5%	9.8%	12.0	2.2%	98%	77	100	19.0%
Boston Beer	SAM	13.00	\$164.00	\$2,132.00	4.7%	15.1%	25.0	0.0%	89%	80	92	18.4%
Cognizant Technology	CTSH	60.00	\$58.71	\$3,522.60	7.8%	16.9%	22.0	0.0%	99%	95	100	18.3%
Gentex	GNTX	160.00	\$13.41	\$2,145.60	4.7%	10.4%	17.0	1.5%	83%	73	97	17.6%
LKQ Corp	LKQ	100.00	\$25.96	\$2,596.00	5.7%	11.9%	21.0	0.0%	69%	96	95	15.6%
Abbvie	ABBV	32.90	\$57.34	\$1,886.49	4.2%	9.6%	15.0	2.3%	91%	96	76	14.6%
Berkshire Hathaway B	BRK-B	25.00	\$126.14	\$3,153.50	7.0%	9.0%	17.0	0.0%	93%	69	87	14.0%
IPG Photonics	IPGP	30.00	\$81.04	\$2,431.20	5.4%	13.5%	19.0	0.0%	86%	53	98	13.5%
Mastercard	MA	25.00	\$88.71	\$2,217.75	4.9%	11.0%	29.0	0.5%	94%	80	99	13.1%
Oracle Corp.	ORCL	50.00	\$34.12	\$1,706.00	3.8%	5.8%	14.0	1.4%	99%	97	95	12.7%
JP Morgan Chase	JPM	25.00	\$57.04	\$1,426.00	3.2%	7.1%	11.0	2.7%	95%	68	87	12.5%
CH Robinson	CHRW	37.00	\$63.56	\$2,351.72	5.2%	7.9%	20.0	2.0%	98%	76	86	12.4%
Price T. Rowe	TROW	30.00	\$64.95	\$1,948.50	4.3%	6.2%	18.0	2.8%	95%	84	93	12.1%
ITC Holdings	ITC	65.00	\$38.73	\$2,517.45	5.6%	10.7%	20.0	2.2%	91%	86	100	11.6%
Qualcomm	QCOM	40.00	\$45.82	\$1,832.80	4.1%	3.1%	11.0	2.0%	96%	95	97	11.3%
Visa Inc.	V	20.00	\$71.83	\$1,436.60	3.2%	10.5%	26.0	0.8%	98%	72	98	9.3%
Microsoft	MSFT	50.00	\$50.99	\$2,549.50	5.6%	6.6%	15.0	2.8%	100%	80	83	9.3%
Intel Corp.	INTC	60.00	\$29.76	\$1,785.60	3.9%	3.8%	13.0	2.4%	98%	72	95	7.3%

MIPAR	9.8%
Sweet Spot	14.8% - 19.8%

Portfolio Averages

PAR	13.9%
Quality	92.1
Growth	9.9%
P/E Ratio	17.7
Yield	1.3%
Fin Strength	90%
EPS Stability	81

Hide charts Legend

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MICNOVA: Worksheet

Reset

MIPAR	9.8%
Sweet Spot	14.8% - 19.8%

Active Companies													01/19/2016	
	Company	Symbol	Shares	Price	Value	% of Total	Growth	Proj P/E	Proj Yield	Fin Str	EPS Stab	Qty	PAR	
+	Fastenal	FAST	200.00	\$37.67	\$7,534.00	14.8%	8.8%	22.0	2.6%	97%	93	93	12.5%	
+	Cognizant Technology	CTSH	60.00	\$58.71	\$3,522.60	6.9%	16.9%	22.0	0.0%	99%	95	100	18.3%	
+	Apple Inc.	AAPL	35.00	\$97.13	\$3,399.55	6.7%	9.8%	12.0	2.2%	98%	77	100	19.0%	
+	LKQ Corp	LKQ	100.00	\$25.96	\$2,596.00	5.1%	11.9%	21.0	0.0%	69%	96	95	15.6%	
+	Microsoft	MSFT	50.00	\$50.99	\$2,549.50	5.0%	6.6%	15.0	2.8%	100%	80	83	9.3%	
+	CH Robinson	CHRW	37.00	\$63.56	\$2,351.72	4.6%	7.9%	20.0	2.0%	98%	76	86	12.4%	
+	Mastercard	MA	25.00	\$88.71	\$2,217.75	4.4%	11.0%	29.0	0.5%	94%	80	99	13.1%	
+	Precision Castparts	PCP	9.00	\$232.11	\$2,088.99	4.1%	6.0%	17.0	0.1%	94%	97	99	5.3%	
+	Berkshire Hathaway B	BRK-B	16.00	\$126.14	\$2,018.24	4.0%	9.0%	17.0	0.0%	93%	69	87	14.0%	
+	Price T. Rowe	TROW	30.00	\$64.95	\$1,948.50	3.8%	6.2%	18.0	2.8%	95%	84	93	12.1%	
+	Gentex	GNTX	140.00	\$13.41	\$1,877.40	3.7%	10.4%	17.0	1.5%	83%	73	97	17.6%	
+	Qualcomm	QCOM	40.00	\$45.82	\$1,832.80	3.6%	3.1%	11.0	2.0%	96%	95	97	11.3%	
+	Abbvie	ABBV	31.00	\$57.34	\$1,777.54	3.5%	9.6%	15.0	2.3%	91%	96	76	14.6%	
+	Oracle Corp.	ORCL	50.00	\$34.12	\$1,706.00	3.4%	5.8%	14.0	1.4%	99%	97	95	12.7%	
+	Air Lease*	AL	60.00	\$26.05	\$1,563.00	3.1%	17.4%	13.0	0.4%	21%	87	70	25.6%	
+	Exxon Mobil	XOM	20.00	\$77.58	\$1,551.60	3.1%	1.1%	10.2	3.0%	100%	83	82	6.7%	
+	JP Morgan Chase	JPM	25.00	\$57.04	\$1,426.00	2.8%	7.1%	11.0	2.7%	95%	68	87	12.5%	
+	Abbott Labs	ABT	31.00	\$46.54	\$1,456.74	2.5%	2.6%	22.0	2.0%	99%	88	88	9.6%	

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Automotive [P/CF]
Auto Parts
Cable TV
Educational Service
Entertainment
Foreign Elec/Entert

Use Sweet Spot

Yes No

Proj Annual Return

Quality

Financial Strength

Growth Forecast

EPS Stability

Projected Yield

Current Price

% From 52 Week Low

Manifest Rank

CAPS Stars

MIPAR	9.9%
Sweet Spot	14.9% - 19.9%

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Portfolios MicNOVA (20 rows)

Views Profile Portfolio Performance Current Returns Historical Returns Returns vs. S&P 500 Historical Val

Ticker	Sector	Return (YTD)	Gain 1-Day	52-wk Range
SAM	Consumer Defensive	-18.8%	-\$62	\$163.01 - \$325.00
AL	Industrials	-22.2%	-\$74	\$25.70 - \$40.49
QCOM	Technology	-8.3%	-\$76	\$45.13 - \$74.09
ORCL	Technology	-6.2%	-\$33	\$33.66 - \$45.33
GNTX	Consumer Cyclical	-15.8%	-\$30	\$13.13 - \$18.80
BRK.B	Financial Services	-4.5%	-\$48	\$124.51 - \$151.63
TROW	Financial Services	-9.1%	-\$19	\$63.57 - \$85.22
AAPL	Technology	-7.7%	-\$84	\$92.00 - \$134.54
CHRW	Industrials	2.5%	\$16	\$59.71 - \$76.18
CTSH	Technology	-2.2%	-\$90	\$53.33 - \$69.80
LKQ	Consumer Cyclical	-12.4%	\$14	\$22.90 - \$32.25
IPGP	Technology	-9.1%	-\$57	\$70.21 - \$102.49
JPM	Financial Services	-13.0%	-\$29	\$50.07 - \$70.61
INTC	Technology	-13.6%	-\$179	\$24.87 - \$37.03
XOM				



Insight for SAM (Boston Beer Co)

Summary Detail Statements Analysts News Peers

Ratings Estimates

Earnings Estimates	Current Qtr Dec 15	Next Qtr Mar 16	Current Year Dec 15
Average EPS Estimate	\$1.14	\$1.08	\$7.21
Number of EPS Analysts	7	5	8
Low EPS Estimate	\$1.10	\$0.99	\$7.16
High EPS Estimate	\$1.27	\$1.17	\$7.32

Revenue Estimates	Current Qtr Dec 15	Next Qtr Mar 16	Current Year Dec 15
Average Sales Estimate	\$224M	\$210M	\$968M
Number of Sales Analysts	7	5	8
Low Sales Estimate	\$216M	\$207M	\$960M
High Sales Estimate	\$230M	\$213M	\$975M
Sales Growth	2.9%	5.3%	7.2%

EPS Trends	Current Qtr Dec 15	Next Qtr Mar 16	Current Year Dec 15
Average EPS Estimate	\$1.14	\$1.08	\$7.21

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