

Single Company Heat Map

For Institutional Use Only

Name MOHAWK INDUSTRIES INC

Sector Name: Consumer Discretionary
Group Name: Consumer Durables & Apparel
Industry Name: Household Durables

Sub-industry Name: Home Furnishings

Valuation Quintile	4
Current Div to Price	0
Current Book to Price	89
Current Sales to EV	88
Current Earn to Price	74
E/P 3 Yr Avg	85
E/P 5 Yr Avg	90
Current FCF/P	91
FCF/P 3-Yr Avg	83
FCF/P 5-Yr Avg	81
Current FCF/EV	93
FCF/EV 3 Yr Avg	87
FCF/EV 5 Yr Avg	84
Earn 1 Yr Grth	28
Earn 3 Yr Grth (Inv)	78
Earn 5 Yr Grth (Inv)	80
Sales 1 Yr Grth (Inv)	67
Sales 3 Yr Grth (Inv)	74
Sales 5 Yr Grth (Inv)	66
Theoretical Growth	36
Theoretical Growth Diff	34

Balance Sheet Quintile	4
Current CAPX/Total Assets (Inv)	33
CAPX/Total Assets 3 Yr Chg (Inv)	89
Div 1 Yr Grth	
Div 3 Yr Grth	
Div 5 Yr Grth	
Current Buyback Yield	83
Current GW/Total Assets (Inv)	41
Current Debt/EBITDA (Inv)	69
Current Net Cash/EV	42
Current R&D/Sales	
Current CAPX/Sales (Inv)	38
CAPX/Sales 3 Yr Chg (Inv)	94
CAPX/Sales 5 Yr Chg (Inv)	81
WCap 3 Yr Grth (Inv)	34
WCap 5 Yr Grth (Inv)	2
Quick Ratio	47
Current Ratio	62
Rec/Sales 1 Yr Chg (Inv)	33
Rec/Sales 3 Yr Chg (Inv)	41
Rec/Sales 5 Yr Chg (Inv)	40
BV Grth 3 Yr Disp (Inv)	90
BV Grth 5 Yr Disp (Inv)	76

Market Quality Quintile		5	
Volume (Inv)	33	6-Mo/12-Mo Breakout	23
3-Mo Mom	21	CAPM Ret Diff (Inv)	81
6-Mo Mom	85	Negative 24-Mo Skewness	Υ
9-Mo Mom	91	24-Mo Kurtosis (Inv)	33
12-Mo Mom	82	Extreme 6-Mo Momentum	
36-Mo Mom (Inv)	95	Extreme 24-Mo Skewness	
3-Mo Bat Avg	92	Extreme 24-Mo Kurtosis	
6-Mo Bat Avg	99	Low Mom High Vol	
9-Mo Bat Avg	99	Broken Chart	
12-Mo Bat Avg	99	Hi 6-Mo Mom/Hi 9-Mo Bat Avg	Υ
3-Mo/6-Mo Breakout	6	_	

Pricing as of: 07.31.2021	
Price	\$194.90
Market Cap (\$m)	13,586
Proper Peers	
Top Miss or Top Beat	
Agg Rank	34

Earnings Quality Quintile	3
Curr. Accruals/Assets (Inv)	79
Current Inv/Sales	85
Inv/Sales 1 Yr Chg (Inv)	91
Inv/Sales 3 Yr Chg (Inv)	80
Inv/Sales 5 Yr Chg (Inv)	41
Current Op Margin	31
Current Gross Margin	29
Op Margin 1 Yr Chg	43
Op Margin 3 Yr Chg	15
Op Margin 5 Yr Chg	19
Gross Margin 1 Yr Chg	39
Gross Margin 3 Yr Chg	18
Gross Margin 5 Yr Chg	27
Current ROA	49
ROA 1 Yr Chg	31
ROA 3 Yr Chg	22
ROA 5 Yr Chg	19
Current ROE	32
ROE 1 Yr Chg	38
ROE 3 Yr Chg	30
ROE 5 Yr Chg	22
ROA 5 Yr Disp (Inv)	62
ROE 5 Yr Disp (Inv)	73
Current XI/Net Income (Inv)	100
Current Dep/CAPX	58
Dep/CAPX 3 Yr Avg	41
Dep/CAPX 5 Yr Avg	28

Analyst Quality Quintile	5
LTG Est (Inv)	46
Shr of Est Rising	100
LTG Disp (Inv)	100
Surp Score	83
PEG Ratio (Inv)	76





Ranking Metric Glossary

For Institutional	Use Only
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For Institutional Use Only			
Valuation Metrics	Formal Name	Description	Higher is Viewed:
Current Div to Price	Current Dividend to Price	The rolling four quarter dividends paid divided by the most recent market cap.	Favorably
Current Book to Price	Current Book to Price	Last stated book value from balance sheet divided by the most recent market cap.	Favorably
Current Sales to EV	Current Sales to Enterprise Value	Sum of the trailing four quarters' revenues divided by the most recent enterprise value.	Favorably
Current Earn to Price	Current Earnings to Price	Sum of the trailing four quarters' income before XO divided by the most recent market cap.	Favorably
E/P 3 Yr Avg	Average Three Year Earnings To Price	The average of the rolling four quarter earnings for the past 12 quarters divided by the most recent market cap.	Favorably
E/P 5 Yr Avg	Average Five Year Earnings to Price	The average of the rolling four quarter earnings for the past 20 quarters divided by the most recent market cap.	Favorably
Current FCF/P	Current FCF to Price	Sum of the trailing four quarters' free cash flow divided by the most recent market cap.	Favorably
FCF/P 3-Yr Avg	Average Three Year FCF to Price	Average of rolling 4 quarters FCF over the last 12 quarters divided by the most recent market cap.	Favorably
FCF/P 5-Yr Avg	Average Five Year FCF to Price	Average of rolling 4 quarters FCF over the last 20 quarters divided by the most recent market cap.	Favorably
Current FCF/EV	Average One Year FCF to Enterprise Value	Sum of the last 4 quarters FCF divided by the most recent enterprise value.	Favorably
FCF/EV 3 Yr Avg	Average Three Year FCF to Enterprise Value	The average of the rolling four quarter FCF for the past 12 quarters divided by the most recent enterprise value. FCF is defined as cash flow from operations less CAPEX and adding back in sales of PP&E.	Favorably
FCF/EV 5 Yr Avg	Average Five Year FCF to Enterprise Value	The average of the rolling four quarter FCF for the past 20 quarters divided by the most recent enterprise value. FCF is defined as cash flow from operations less CAPEX and adding back in sales of PP&E.	Favorably
Earn 1 Yr Grth	One Year Earnings Growth	The percent change in this quarter's rolling four quarter earnings compared to the same quarter in the prior year's rolling four quarter earnings.	Favorably
Earn 3 Yr Grth (Inv)	Three Year Earnings Growth (Inverted)	The percent change in this quarter's rolling four quarter earnings compared to the same quarter three years prior rolling four quarter earnings.	Negatively
Earn 5 Yr Grth (Inv)	Five Year Earnings Growth (Inverted)	The percent change in this quarter's rolling four quarter earnings compared to the same quarter five years prior rolling four quarter earnings.	Negatively
Sales 1 Yr Grth (Inv)	One Year Sales Growth (Inverted)	The percent change in this quarter's rolling four quarter sales compared to the same quarter one year prior rolling four quarter sales.	Negatively
Sales 3 Yr Grth (Inv)	Three Year Sales Growth (Inverted)	The trailing four quarter's sales divided by the same period three years prior.	Negatively
Sales 5 Yr Grth (Inv)	Five Year Sales Growth (Inverted)	The trailing four quarter's sales divided by the same period five years prior.	Negatively
Theoretical Growth	Theoretical Growth	The expected growth for the shares based upon the retention rate and return on common equity.	Favorably
Theoretical Growth Diff	Theoretical Spread	We analyze the spread between the implied growth rate calculated using the retention rate and the return on common equity [Defined as 1 - D / E * ROE] and the consensus growth rate of analysts.	Favorably
Balance			Higheric
Sheet	Formal Name	Description	Higher is Viewed:
Metrics	Current CAREV to Total Acceta	Trailing four quarter conital expanditure divided by the most recent	
Assets (Inv)	Current CAPEX to Total Assets (Inverted)	Trailing four quarter capital expenditure divided by the most recent quarter's total assets.	Negatively
3 Yr Chg (Inv)	Three Year Δ CAPEX to Total Assets (Inverted)	Trailing four quarter capital expenditure divided by the most recent quarter's total assets minus the same metric three years ago.	Negatively
Div 1 Yr Grth	One Year Growth in Dividends Paid	Calculated using the direct method from the cash flow statement. The rolling four quarter sum of dividends paid divided by the rolling four quarter sum from the year ago period.	Favorably
Div 3 Yr Grth	ThreeYear Growth in Dividends Paid	Calculated using the direct method from the cash flow statement. The rolling four quarter sum of dividends paid divided by the rolling four quarter sum from the three year ago period.	Favorably
Div 5 Yr Grth	Five Year Growth in Dividends Paid	Calculated using the direct method from the cash flow statement. The rolling four quarter sum of dividends paid divided by the rolling four quarter sum from the five year ago period.	Favorably
Current Buyback Yield	Current Buyback Yield	The most recent quarter's rolling four quarter share repurchase divided by the current equity market capitalization.	Favorably

Earnings			Higher is
(Inv)	Trailing, One Year Growth in Book Value (Inverted)	rate of growth in book value over the prior year, then calculate the standard deviation for the twenty observations.	Negatively
BV Grth 5 Yr Disp	Consistency of the Five Year	For each quarter in the prior five years, we calculate a rolling four quarter	
(Inv)	Trailing, One Year Growth in Book Value (Inverted)	rate of growth in book value over the prior year, then calculate the standard deviation for the twelve observations.	Negatively
BV Grth 3 Yr Disp	Consistency of the Three Year	For each quarter in the prior three years, we calculate a rolling four quarter	Managara
(Inv)	Sales (Inverted)	quarter sales less the same figure from the five year ago period.	
	Five Year Δ Receivables to	The current quarter's accounts receivables divided by the rolling four	Negatively
(Inv)	Sales (Inverted)	quarter sales less the same figure from the three year ago period.	regatively
	Three Year Δ Receivables to	The current quarter's accounts receivables divided by the rolling four	Negatively
(Inv)	Sales (Inverted)	quarter sales less the same figure from the year ago period.	ivegatively
Rec/Sales 1 Yr Chg	One Year A Receivables to	The current quarter's accounts receivables divided by the rolling four	Negatively
Current Ratio	Current Ratio	Current assets divided by current liabilities.	Favorably
Quion radio	Quion radio	liabilities.	Favorably
Quick Ratio	Quick Ratio	The difference between current assets minus inventories divided by current	
(Inv)	Capital (Inverted)	by the same figure in the five year prior period.	Negatively
(Inv) WCap 5 Yr Grth	Capital (Inverted) Five Year Growth in Working	by the same figure in the three year prior period. Current assets less current liabilities from the most recent quarter divided	
WCap 3 Yr Grth	Three Year Growth in Working	Current assets less current liabilities from the most recent quarter divided	Negatively
Chg (Inv)	(Inverted)	rolling four quarter sales minus the same metric five years ago.	5 ,
CAPX/Sales 5 Yr	Five Year Δ CAPEX to Sales	The most recent quarter's rolling four quarter's CAPEX divided by the	Negatively
Chg (Inv)	(Inverted)	four quarter sales minus the same metric three years ago.	
CAPX/Sales 3 Yr	Three Year Δ CAPEX to Sales	The most recent quarter's rolling four quarter CAPEX divided by the rolling	Negatively
CAPX/Sales (Inv)	(Inverted)	four quarter sales minus the same metric one year ago.	regatively
Current	Current CAPEX to Sales	The most recent quarter's rolling four quarter CAPEX divided by the rolling	Negatively
	Development to Sales	quarters revenue.	Favorably
Current R&D/Sales	Current Research &	Sum of the most recent four quarters R&D/sum of the most recent four	E
Cash/EV	Value		Favorably
Current Net	Current Net Cash to Enterprise	Most recent net cash divided by enterprise value.	
Debt/EBITDA (Inv)	(Inverted)	quarter EBITDA.	Negatively
Current	Current Debt to EBITDA	Most recent quarter's long- and short-term debt divided by the rolling four	
Assets (Inv)	(Inverted)	The most recent quarter's goodwill divided by the most recent quarter's total assets.	Negatively
Current GW/Total	Current Coodwill to Total Acceta	The most recent quarter's goodwill divided by the most recent quarter's	

Earning: Metrics		Description	Higher is Viewed:
Curr. Accruals/Assets (Inv)		Rolling four quarter's net income less cash flow from operations divided by the most recent quarter's total assets.	Negatively
Inv/Sales 1 Yr ((Inv)	Chg One Year Δ in Inventory to Sales (Inverted)	The most recent quarter's inventory divided by the rolling four quarter sales less the same figure from the year ago period.	Negatively
Inv/Sales 3 Yr ((Inv)	Chg Three Year ∆ in Inventory to Sales (Inverted)	The most recent quarter's inventory divided by the rolling four quarter sales less the same figure from the three year ago period.	Negatively
Inv/Sales 5 Yr ((Inv)	Chg Five Year Δ in Inventory to Sales (Inverted)	The most recent quarter's inventory divided by the rolling four quarter sales less the same figure from the five year ago period.	Negatively
Current Op Mar	rgin Current Operating Margin	Operating profit from the trailing four quarters divided by sales from the same period.	Favorably
Current Gross Margin	Current Gross Margins	Sales minus Cost of Goods Sold (COGS) divided by sales for the trailing four quarters.	Favorably
Current Inv/Sale	· · · · · · · · · · · · · · · · · · ·	The most recent quarter's inventory divided by the rolling four quarter	Favorably
Op Margin 1 Yr Chg		Operating profit from the trailing four quarters divided by sales from the same period, less the same figure from the year ago period.	Favorably
Op Margin 3 Yr Chg	Three Year ∆ Operating Margin	Operating profit from the trailing four quarters divided by sales from the same period, less the same figure from the three year ago period.	Favorably
Op Margin 5 Yr Chg	Five Year Δ Operating Margin	Operating profit from the trailing four quarters divided by sales from the same period, less the same figure from the five year ago period.	Favorably
Gross Margin 1 Chg	Yr One Year Δ Gross Margin	Sales minus COGS divided by sales for the trailing four quarters, less the same figure from the year ago period.	Favorably
Gross Margin 3 Chg	Yr Three Year Δ Gross Margin	Sales minus COGS divided by sales for the trailing four quarters, less the same figure from the three year ago period.	Favorably
Gross Margin 5 Chg	Yr Five Year Δ Gross Margin	Sales minus COGS divided by sales for the trailing four quarters, less the same figure from the five year ago period.	Favorably
Current ROA	Current Return on Assets	Trailing twelve month earnings before extraordinary items divided by most recent total assets.	Favorably
ROA 1 Yr Chg	One Year Δ in ROA	The trailing four quarter earnings before extraordinary items divided by the most recent total assets less the same figure from the prior year.	Favorably
ROA 3 Yr Chg	Three Year ∆ in ROA	The trailing four quarter earnings before extraordinary items divided by the most recent total assets less the same figure from three years earlier.	Favorably
ROA 5 Yr Chg	Five Year Δ in ROA	The trailing four quarter earnings before extraordinary items divided by the most recent total assets less the same figure from five years earlier.	Favorably
Current ROE	Current Return on Equity	Trailing twelve month earnings before extraordinary items divided by most recent shareholders equity.	Favorably
ROE 1 Yr Chg	One Year Δ in ROE	The trailing four quarter earnings before extraordinary items divided by the most recent shareholder's equity less the same figure from the prior year.	Favorably

Five Year A in ROE ROA 5 Yr Dap (Inv.) Standard Receitan of Five Year A in ROE ROA 5 Yr Dap (Inv.) Standard Receitan of Five Year A in ROE ROE 5 Yr Dap (Inv.) Standard Development of Five Year A in ROE ROE 5 Yr Dap (Inv.) Standard Development of Five Year A in ROE ROE 5 Yr Dap (Inv.) Standard Development of Five Year A in Roe Current XiVest Lorna Text Strandard Development of Five Year Tailing ROE (Inverted) Current DepCAPX Formal Name Current DepCAPX Formal Name Current DepCAPX Formal Name Current DepCAPX Current DepCAPX Formal Name Current Search	ROE 3 Yr Chg	Three Year Δ in ROE	The trailing four quarter income before extraordinary items divided by the most recent shareholder's equity less the same figure from three years earlier.	Favorably
ROE 5 Yr Diso (Inv) Standard Deviation of Five Year Tailing ROC (inverted) Tailing ROE (inverted) Current XiNet Income (inv) Standard Deviation of Five Year Tailing ROE (inverted) Current XiNet Income (inv) Standard Deviation of Five Year Tailing ROE (inverted) Current Capital Current XiNet Income (inv) Income (inv) Current Depication to CAPEX Tailing ROE (inverted) Current Depication to April Current Capital Current Capital Current Capital Current Depication to April Current Capital Curre	ROE 5 Yr Chg	Five Year Δ in ROE	The trailing four quarter income before extraordinary items divided by the most recent shareholder's equity less the same figure from five years	Favorably
Rote Str Date (Inv) Standard Deviation of Five Year Trailing RotE (inverted) Current XinNet Income (Inv) Current DepCAPX Current DepCAPX Current DepcCAPX Curre	ROA 5 Yr Disp (Inv)			Negatively
Current DepCAPX Current DepCaPX Current Depcetation to CAPEX Long Term Average Depreciation DepCAPX S Yr Pro you'r Average Depreciation DepCAPX S Yr Pro Tall Name Description Analyst estimate of the long term growth rate for the company. Warket Metrics Volume (inv) Pro Earnings Surprise Score The ratio of surprise (actual - ostimated) divided by the dispersion of earnings Earnings Surprise Score The ratio of surprise (actual - ostimated) divided by analysts' long-term Invested North Momentum Three Month Momentum Three Month Momentum Three Month Trailing Batting Average 12-Mo Bat Avg Nea Month Trailing Battin	ROE 5 Yr Disp (Inv)	Standard Deviation of Five Year	The standard deviation of the rolling four quarter ROE for the prior 20	Negatively
DepiCAPX S Yr CAPEX CAPE		Current Extraordinary Items to	The sum of extraordinary items and discontinued operations for the most recent rolling four quarters divided by the magnitude of net income	Negatively
beginder Average CAPEX Persy set Average Depreciation for Long Term Average CAPEX Analyst Metrics Formal Name LTG Est (Inv) Long Term Growth Estimate (Inverted) Shr of Est Rising Carp Term Average Capex LTG Est (Inv) Long Term Growth Estimate (Inverted) Shr of Est Rising Carp Term Growth Dispersion (Inverted) LTG Est (Inv) Price Earnings Suprise Score Pice Earnings Suprise Score Formal Name Market Metrics Volume (Inverted) Three Month Momentum Six Month Momentum Six Month Momentum Table Mo	Current Dep/CAPX	Current Depreciation to CAPEX	The trailing four quarter depreciation expense divided by rolling four quarter	Favorably
DepiCAPX S YY Five year Average Depreciation to Long Term Average CAPEX to Long Term Average CAPEX to Long Term Average CAPEX	•		The average of the last 12 trailing four quarters of depreciation divided by	Favorably
Analyst Metrics Formal Name Description Description Higher is Viewed: Negatively Most recent quarters percentage of analyst earnings estimate that are rising. The Standard deviation of analysts current quarter estimates. Negatively The standard deviation of analysts current quarter estimates. Negatively PEG Ratio (inv) PEG Ratio (inv) PEG Ratio (inv) PEG Ratio (inv) PIC Earnings Surprise Score PEG Ratio (inv) PIC Earnings Surprise Score PEG Ratio (inv) PIC Earnings to Growth Ratio (inverted) The standard deviation of analysts current quarter estimates. Negatively The ratio of surprise (actual - estimated) divided by the dispersion of estimates. The ratio of surprise (actual - estimated) divided by analysts' long-term growth estimates. The ratio of surprise (actual - estimated) divided by analysts' long-term growth estimates. Negatively The ratio of surprise (actual - estimated) divided by the dispersion of estimates. The ratio of surprise (actual - estimated) divided by the dispersion of estimates. The recent recent recent recent recent quarters percentage of analyst earnings estimate that are rising. The ratio of surprise (actual - estimated) divided by the dispersion of estimates. The recent recen	Dep/CAPX 5 Yr	Five year Average Depreciation	The average of the last 20 trailing four quarters of depreciation divided by	Favorably
Shr of Est Rising Share of Earnings Estimates Rising Share of Earnings Estimates Rising Share of Earnings Suprise Score Earnings Surprise Score The standard deviation of analysts current quarter estimates. Negatively Favorably Favorab	Analyst			
Shr of Est Rising Rising LTG Disp (Inv) Long Term Growth Dispersion (Inverted) Surp Score Earnings Surprise Score Earnings Surprise Score Earnings Surprise Score Formal Name Market Metrics Volume (Inverted) Surb Mom Six Month Momentum Three Month Momentum 12-Mo Mom 3-Mo Mom (Inv) Peter Month Trailing Batting Average 9-Mo Bat Avg Six Month Trailing Batting Average 9-Mo Bat Avg Six Month Trailing Batting Average 12-Mo Bat Avg Six Month Trailing Batting Average 13-Mol-6-Mo Six Month Trailing Batting Average 14-Mo Bat Avg Six Month Trailing Batting Average 14-Mo Bat Avg Six Month Trailing Batting Average 15-Mol Bat Avg Six Month Trailing Batting Average 16-Mol Bat Avg Six Month Trailing Batting Average 16-Mol Bat Avg Six Month Trailing Batting Average 17-Mol Bat Avg Six Month Trailing Batting Average 18-Mol Batting Average 18-Mol Batting Average 18-Mol Batting Average 19-Mol Batting Average 19-Mol Batting Average 19-Mol Batting Average 19-Mol Batting Average 10-Mol Batting Average 10-Mo	LTG Est (Inv)	_	Analyst estimate of the long term growth rate for the company.	Negatively
The standard deviation of analysts current quarter estimates. Negatively	Shr of Est Rising	Share of Earnings Estimates	The state of the s	Favorably
Favorably	LTG Disp (Inv)	Long Term Growth Dispersion	•	Negatively
PEG Ratio (Inv) Price Earnings to Growth Ratio (Inverted) Market Metrics Formal Name Description Wigner Signature Properties Prope	Surp Score	•		Favorably
Market Metrics Formal Name Description Higher is Viewed:	PEG Ratio (Inv)	_	The most recent rolling four quarters P/E divided by analysts' long-term	Negatively
3-Mo Mom 6-Mo Mom Six Month Momentum 9-Mo Mom Nine Month Momentum 12-Mo Mom 3-Mo Mom Nine Month Momentum Neverted 12-Mo Bat Avg Six Month Trailing Batting Average 3-Mo Bat Avg Six Month Trailing Batting Average 12-Mo Bat Avg 1-Mo Bat Avg 1				
6-Mo Mom 9-Mo Mom Nine Month Momentum 12-Mo Mom Nine Month Momentum 136-Mo Mom (Inv) 137-Mo Mom (Inv) 138-Mo	Volume (Inv)	Volume (Inverted)	Liquidity, lower is better (i.e. illiquid stocks get higher scores).	Negatively
9-Mo Morm 12-Mo Morm 12-Mo Morm 12-Mo Morm 12-Mo Morm 12-Mo Morm 12-Mo Morm 13-Mo Morm 13-Mo Morm 13-Mo Morm 13-Mo Morm 14-Morm 15-Mo Morm 15-			<u> </u>	•
12-Mo Mom (Inv) 36-Mo Mom (Inv) Thirty-Six Month Momentum Inverted 3-Mo Bat Avg Average 6-Mo Bat Avg P-Mo Bat Avg Average 12-Mo Bat Avg Average 13-Mo/6-Mo Breakout 6-Mo/12-Mo Breakout CAPM Ret Diff (Inv) Average Average 13-Mo/6-Mo Breakout CAPM Ret Diff (Inv) Average Av			-	•
Inverted Three Month Trailing Batting Average 6-Mo Bat Avg Six Month Trailing Batting Average 9-Mo Bat Avg Nine Month Trailing Batting Average 12-Mo Bat Avg Twelve Month Trailing Batting Average 13-Mo/6-Mo Bat Avg Twelve Month Trailing Batting Average 13-Mo/6-Mo Short Term Breakout Factor Breakout 6-Mo/12-Mo Short Term Breakout Factor Breakout CAPM Ret Diff (Inv) CAPM Expected Return Less 12 Month Momentum (Inverted) CAPM Ret Diff (Inv) Regative 24-Mo Skewness Negative Skewness of Returns Skewness Negative Skewness of Returns Extreme 6-Mo Momentum Extreme 6-Mo Skewness (Right Tail) The sercent of months in the prior six months that a security has outperformed the market. The percent of months in the prior nine months that a security has outperformed the market. The percent of months in the prior six months that a security has outperformed the market. The percent of months in the prior six months that a security has outperformed the market. The percent of months in the prior six months that a security has outperformed the market. The percent of months in the prior time months that a security has outperformed the market. The percent of months in the prior six months that a security has outperformed the market. The percent of months in the prior six months that a security has outperformed the market. The percent of months in the prior six months that a security has outperformed the market. The the percent of months in the prior time months that a security has outperformed the market. The the market. The the market. The the market. The the month return, lagged by a month, less the twelve month return lagged by a month. Capital Asset Pricing Model (CAPM) expected return less the stock's 12 month return lagged by a month. The six month return, lagged by a month or the security and the security and security and security	12-Mo Mom	Twelve Month Momentum	The twelve month return with dividends reinvested with a one month lag.	•
Average 9-Mo Bat Avg Nine Month Trailing Batting Average 9-Mo Bat Avg Nine Month Trailing Batting Average 12-Mo Bat Avg Nine Month Trailing Batting Average Nort Term Breakout Factor Breakout 6-Mo/12-Mo Nid Term Breakout Factor Breakout CAPM Ret Diff (Inv) CAPM Expected Return Less 12 Month Momentum (Inverted) Negative 24-Mo Skewness Negative Skewness of Returns Skewness Negative Skewness of Returns (Inv) Extreme 6-Mo Momentum Extreme 6-Mo Momentum Extreme 24-Mo Skewness Returns Extreme Positive Skewness Returns Extreme Positive Skewness Returns Returns Average Outperformed the market. The percent of months in the prior nine months that a security has outperformed the market. The percent of months in the prior mice months that a security has outperformed the market. The percent of months in the prior nine months that a security has outperformed the market. The percent of months in the prior nine months that a security has outperformed the market. The percent of months in the prior nine months that a security has outperformed the market. The percent of months in the prior nine months that a security has outperformed the market. The percent of months in the prior nine months that a security has outperformed the market. The percent of months in the prior nine months that a security has outperformed the market. The percent of months in the prior nine months that a security has outperformed the market. The percent of months in the prior nine months that a security has outperformed the market. The percent of months in the prior nine months that a security has outperformed the market. The percent of months in the prior nine months that a security has outperformed the market. The percent of months in the prior nine months that a security has outperformed the market. Cap		Inverted	on a three year basis get penalized/lower scores).	Negatively
9-Mo Bat Avg Nine Month Trailing Batting Average 12-Mo Bat Avg Twelve Month Trailing Batting Average 3-Mo/6-Mo Short Term Breakout Factor Breakout 6-Mo/12-Mo Breakout CAPM Ret Diff (Inv) CAPM Expected Return Less 12 Month Momentum (Inverted) Negative 24-Mo Skewness Negative 24-Mo Skewness Kurtosis of Returns (Inverted) Extreme 6-Mo Momentum Extreme 24-Mo Skewness (Right Tail) Average outperformed the market. The percent of months in the prior twelve months that a security has outperformed the market. The percent of months in the prior twelve months that a security has outperformed the market. The percent of months in the prior twelve months that a security has outperformed the market. The three month return, lagged by a month, less the six month return lagged by a month. The six month return, lagged by a month, less the twelve month return lagged by a month. CapM expected return when stocks outperform the CapM expected return and realized return; when stocks outperform the CaPM expectation, this is viewed negatively. CAPM Expected Return is defined as the approximation (8% * 6). The distribution of returns over multiple trailing periods is calculated. Equities that have a small number of large left tail observations in concert with a large number of large left tail observations are viewed very favorably. A measurement of the likelihood of extreme movements. Securities whose performance distributions show central tendencies are favored over those with excessive observations at the tails. The very highest performers on the six month rank receive a positive weighting. All highly right-skewed stocks are penalized as they have few observations of significant excess returns—a sign that past excess performance was driven by a one-off event rather than a consistent improvement in fundamentals. Infrequent large right tail events with a large number of below-average observations. Touch a make the market. The percent of months in the prior twelve months that a security has outperformed the market. The percent o	o wo bat rwg			Favorably
Average Twelve Month Trailing Batting Average 3-Mo/6-Mo Breakout 6-Mo/12-Mo Breakout CAPM Ret Diff (Inv) CAPM Expected Return Less 12 Month Momentum (Inverted) Negative 24-Mo Skewness Negative 24-Mo Skewness Negative 24-Mo Skewness Average Average Average Average Joutperformed the market. The percent of months in the prior twelve months that a security has outperformed the market. The percent of months in the prior twelve months that a security has outperformed the market. The percent of months in the prior twelve months that a security has outperformed the market. The percent of months in the prior twelve months that a security has outperformed the market. The three month return, lagged by a month, less the six month return lagged by a month. Capital Asset Pricing Model (CAPM) expected return less the stock's 12 month return lagged by a month. This is the differential between the calculated expected return and realized return; when stocks outperform the CAPM expectation, this is viewed negatively. CAPM Expected Return is defined as the approximation (8% * §). Negative 24-Mo Skewness Negative Skewness of Returns Kurtosis of Returns (Inverted) (Inv) A measurement of the likelihood of extreme movements. Securities whose performance distributions show central tendencies are favored over those with excessive observations at the tails. Extreme 24-Mo Extreme Positive Skewness (Right Tail) Extreme Positive Skewness (Right Tail) All highly right-skewed stocks are penalized as they have few observations of significant excess returns—a sign that past excess performance was driven by a one-off event rather than a consistent improvement in fundamentals. Infrequent large right tail events with a large number of below-average observations. All stocks with extremely fat tails are penalized as it is a sign that investors 100/Y = True 0 = False	6-Mo Bat Avg			Favorably
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Low Mom High Vol Low Momentum & High Volume

Broken Chart Broken Charts Factor

Mo Bat Avg High Nine Month Batting Average quintile of high nine month batting average.

Securities with atypically large volumes and poor momentum scores are viewed unfavorably as this may signal that the "story is over." A combination of price-driven observations which seeks to identify securities whose chart patterns tend to produce significant negative Hi 6-Mo Mom/Hi 9- High Six Month Momentum and Securities that fall in the top quintile of high six month momentum and top 100/Y = True0 = False 100/Y = True 0 = False 100/Y = True 0 = False







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