

# Industry Status: Electronics (Semis)

1 week 10/26/23 to 11/02/23								
9Weakest	8VWeak	7Weaker	6Weak	5Avg	4Strong	3Stronger	2VStrong	1Strongest
.	.	122 ELECTRNCS->	122 ELECTRNCS->	.	.	.	.	.
.	.	24 Div Elect->	24 Div Elect->	.	.	.	.	.
.	.	.	.	7 Circuit Boards->	7 Circuit Boards->	.	.	.
.	.	20 Sci/Tech Inst->	20 Sci/Tech Inst->	.	.	.	.	.
.	.	.	13 BroadLine->	13 BroadLine->	.	.	.	.
.	.	14 IC Semis	.	.	.	.	.	.
.	.	.	.	4 Mem Chips	.	.	.	.
.	17 Spec Semis	.	.	.	.	.	.	.
.	.	<-Equip/Mtl 23	<-Equip/Mtl 23	.	.	.	.	.
.	.	.	.	.	.	.	.	.

November 02, 2023

UP +1 to **WEAK** strength rating  
(**6th** strongest of 9 levels)

previous move was **DOWN**

**4 strengthening sub-industries, 1 week 74% positive stocks (16% 3 mos)**



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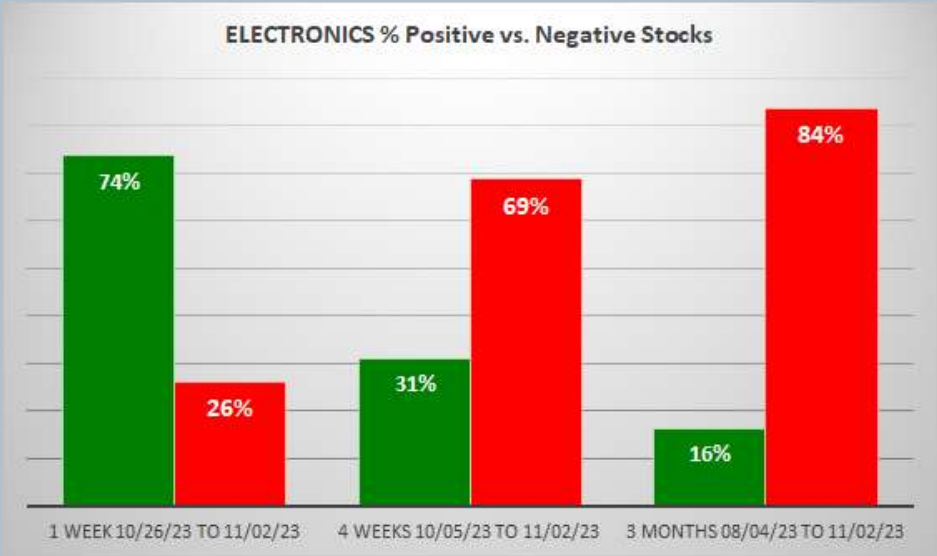
1. INDUSTRY OVERVIEW

1A. Performance

Past 10 Weeks Strengthening/Weakening week-by-week, per the following chart:

9Weakest	8VWeak	7Weaker	6Weak	5Avg	4Strong	3Stronger	2VStrong	1Strongest	Period
.	.	122 ELECTRNCS->	122 ELECTRNCS->	.	.	.	.	.	7 Days - 10/26/23 to 11/02/23
.	.	<-ELECTRNCS 122	<-ELECTRNCS 122	.	.	.	.	.	7 Days - 10/19/23 to 10/26/23
.	.	.	122 ELECTRNCS	.	.	.	.	.	7 Days - 10/12/23 to 10/19/23
.	.	.	122 ELECTRNCS	.	.	.	.	.	7 Days - 10/05/23 to 10/12/23
.	.	.	122 ELECTRNCS	.	.	.	.	.	7 Days - 09/28/23 to 10/05/23
.	.	.	122 ELECTRNCS	.	.	.	.	.	7 Days - 09/21/23 to 09/28/23
.	.	.	<-ELECTRNCS 122	<-ELECTRNCS 122	.	.	.	.	7 Days - 09/14/23 to 09/21/23
.	.	.	.	122 ELECTRNCS	.	.	.	.	7 Days - 09/07/23 to 09/14/23
.	.	.	.	122 ELECTRNCS	.	.	.	.	7 Days - 08/31/23 to 09/07/23
.	.	.	.	122 ELECTRNCS	.	.	.	.	7 Days - 08/24/23 to 08/31/23

STRENGTHENING 1 Week vs. Mid- and Longer-Term // 1 week positive/negative stocks ratio is HIGHER than both 4 weeks and 3 Months, per the following chart:



## 1B. Background

Largest of 8 sub-industries (122 stocks, average 15):

- \* Diversified Electronics (24 stocks)
- \* Semiconductor Equipment & Materials (23 stocks)
- \* Scientific & Technical Instruments (20 stocks)
- \* Semiconductor – Specialized (17 stocks)
- \* Semiconductor – Integrated Circuits (14 stocks)

Top 10 by Market Capitalization:

NVDA/NVIDIA Corporation, TSM/Taiwan Semiconductor Manufacturing Company Ltd. ADS, AVGO/Broadcom Inc, AMD/Advanced Micro Devices, INTC/Intel Corp, TXN/Texas Instruments Inc, AMAT/Applied Materials Inc, LRCX/Lam Research Corp, ADI/Analog Devices Inc, MU/Micron Technology Inc

## 2. SUB-INDUSTRIES AND STOCKS DETAIL

### 2A. Sub-Industries Overview

Strengthened: 4/8 sub-industries

Weakened: 1/8 sub-industries

STRONGEST at Strong rating/4th strongest of 9 levels:

- \* Printed Circuit Boards (7 stocks)

WEAKEST at Very Weak rating/8th strongest of 9 levels:

- \* Semiconductor – Specialized (17 stocks)



## 2B. Sub-Industries 10-Week Strengthening Analysis

What: recent week-by-week strength changes for the industry and its sub-industries  
Why: objective measurement of strengthening and weakening enabling comparison within and across industries and sub-industries

INDUSTRY CURRENT PERIOD SUMMARY										1 week 10/26/23 to 11/02/23									
Length - Begin/End	Industry/Sub-Industry	Period	#	Min	Avg	Max	Status	9Week	8Week	7Week	6Week	5Avg	4Strong	3Stronger	2VStrong	1Strongest			
7 Days - 10/26/23 to 11/02/23	ELECTRONICS	Period 1 of 10 (Current)	122	-28%	-2%	23%	Strengthened	9Week	8Week	7Week	6Week	5Avg	4Strong	3Stronger	2VStrong	1Strongest			
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Diversified Electronics	Period 1 of 10 (Current)	122	-28%	-2%	17%	Strengthened			122 ELECTRONICS->	122 ELECTRONICS->								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Printed Circuit Boards	Period 1 of 10 (Current)	7	-2%	6%	23%	Strengthened			24 Div Elect->	24 Div Elect->								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Scientific & Technical Instruments	Period 1 of 10 (Current)	20	-11%	1%	15%	Strengthened			20 Scl/Tech Inst->	20 Scl/Tech Inst->	7 Circuit Boards->	7 Circuit Boards->						
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Broad Line	Period 1 of 10 (Current)	13	-20%	3%	16%	Strengthened				13 BroadLine->	13 BroadLine->							
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Integrated Circuits	Period 1 of 10 (Current)	14	-8%	1%	8%	Unchanged			14 IC Semis									
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Memory Chips	Period 1 of 10 (Current)	4	-18%	2%	13%	Unchanged					4 Mem Chips							
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Specialized	Period 1 of 10 (Current)	17	-18%	2%	17%	Unchanged		17 Spec Semis										
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor Equipment & Materials	Period 1 of 10 (Current)	23	-22%	0%	12%	Weakened			<Equip/Mtl 23	<Equip/Mtl 23								
7 Days - 10/26/23 to 11/02/23		Period 1 of 10 (Current)																	
PREVIOUS WEEKS (EDUCATIONAL PURPOSES ONLY/NOT A STOCK OR INVESTMENT RECOMMENDATION)																			
Length - Begin/End	Industry/Sub-Industry	Period	#	Min	Avg	Max	Status	9Week	8Week	7Week	6Week	5Avg	4Strong	3Stronger	2VStrong	1Strongest			
7 Days - 10/26/23 to 11/02/23	ELECTRONICS	Period 1 of 10 (Current)	122	-28%	-2%	23%	Strengthened			122 ELECTRONICS->	122 ELECTRONICS->								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS	Period 2 of 10	122	-28%	-2%	19%	Weakened			<ELECTRONICS 122	<ELECTRONICS 122								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS	Period 3 of 10	122	-10%	2%	5%	Weakened			122 ELECTRONICS	122 ELECTRONICS								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS	Period 4 of 10	122	-10%	2%	18%	Strengthened			122 ELECTRONICS	122 ELECTRONICS								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS	Period 5 of 10	122	-21%	3%	6%	Unchanged			122 ELECTRONICS	122 ELECTRONICS								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS	Period 6 of 10	122	-10%	2%	19%	Strengthened			122 ELECTRONICS	122 ELECTRONICS								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS	Period 7 of 10	122	-10%	2%	10%	Weakened			<ELECTRONICS 122	<ELECTRONICS 122								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS	Period 8 of 10	122	-10%	2%	14%	Unchanged												
7 Days - 10/26/23 to 11/02/23	ELECTRONICS	Period 9 of 10	122	-28%	-4%	18%	Weakened												
7 Days - 10/26/23 to 11/02/23	ELECTRONICS	Period 10 of 10	122	-10%	5%	25%	Strengthened			24 Div Elect->	24 Div Elect->								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Diversified Electronics	Period 1 of 10 (Current)	24	-9%	4%	17%	Strengthened			24 Div Elect->	24 Div Elect->								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Diversified Electronics	Period 2 of 10	24	-28%	-1%	19%	Unchanged			24 Div Elect	24 Div Elect								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Diversified Electronics	Period 3 of 10	24	-10%	-6%	5%	Weakened			<Div Elect 24	<Div Elect 24								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Diversified Electronics	Period 4 of 10	24	-10%	-6%	1%	Weakened			24 Div Elect	24 Div Elect								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Diversified Electronics	Period 5 of 10	24	-10%	-4%	5%	Unchanged			24 Div Elect	24 Div Elect								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Diversified Electronics	Period 6 of 10	24	-10%	1%	7%	Unchanged			24 Div Elect	24 Div Elect								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Diversified Electronics	Period 7 of 10	24	-10%	-4%	2%	Weakened			<Div Elect 24	<Div Elect 24								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Diversified Electronics	Period 8 of 10	24	-9%	-1%	6%	Unchanged					24 Div Elect							
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Diversified Electronics	Period 9 of 10	24	-28%	-4%	1%	Weakened					24 Div Elect							
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Diversified Electronics	Period 10 of 10	24	0%	4%	11%	Strengthened			24 Div Elect->	24 Div Elect->								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Printed Circuit Boards	Period 1 of 10 (Current)	7	-2%	6%	23%	Strengthened			7 Circuit Boards->	7 Circuit Boards->								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Printed Circuit Boards	Period 2 of 10	7	-1%	4%	4%	Strengthened			7 Circuit Boards	7 Circuit Boards								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Printed Circuit Boards	Period 3 of 10	7	-8%	5%	-2%	Weakened			7 Circuit Boards	7 Circuit Boards								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Printed Circuit Boards	Period 4 of 10	7	-9%	2%	8%	Strengthened			7 Circuit Boards	7 Circuit Boards								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Printed Circuit Boards	Period 5 of 10	7	-2%	1%	6%	Unchanged			7 Circuit Boards	7 Circuit Boards								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Printed Circuit Boards	Period 6 of 10	7	-1%	6%	19%	Strengthened			7 Circuit Boards	7 Circuit Boards								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Printed Circuit Boards	Period 7 of 10	7	-8%	2%	3%	Unchanged			7 Circuit Boards	7 Circuit Boards								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Printed Circuit Boards	Period 8 of 10	7	-2%	2%	14%	Unchanged			7 Circuit Boards	7 Circuit Boards								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Printed Circuit Boards	Period 9 of 10	7	-9%	-5%	0%	Weakened			<Circuit Boards 7	<Circuit Boards 7								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Printed Circuit Boards	Period 10 of 10	7	0%	4%	10%	Strengthened			7 Circuit Boards->	7 Circuit Boards->								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Scientific & Technical Instruments	Period 1 of 10 (Current)	20	-11%	1%	15%	Strengthened			20 Scl/Tech Inst->	20 Scl/Tech Inst->								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Scientific & Technical Instruments	Period 2 of 10	20	-8%	-4%	3%	Weakened			<Scl/Tech Inst 20	<Scl/Tech Inst 20								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Scientific & Technical Instruments	Period 3 of 10	20	-10%	1%	1%	Weakened			20 Scl/Tech Inst	20 Scl/Tech Inst								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Scientific & Technical Instruments	Period 4 of 10	20	-11%	1%	12%	Strengthened			20 Scl/Tech Inst	20 Scl/Tech Inst								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Scientific & Technical Instruments	Period 5 of 10	20	-18%	-3%	2%	Weakened			20 Scl/Tech Inst	20 Scl/Tech Inst								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Scientific & Technical Instruments	Period 6 of 10	20	-2%	2%	11%	Strengthened			20 Scl/Tech Inst	20 Scl/Tech Inst								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Scientific & Technical Instruments	Period 7 of 10	20	-10%	-4%	10%	Weakened			20 Scl/Tech Inst	20 Scl/Tech Inst								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Scientific & Technical Instruments	Period 8 of 10	20	-9%	-1%	7%	Unchanged			20 Scl/Tech Inst	20 Scl/Tech Inst								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Scientific & Technical Instruments	Period 9 of 10	20	-10%	2%	2%	Weakened			<Scl/Tech Inst 20	<Scl/Tech Inst 20								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Scientific & Technical Instruments	Period 10 of 10	20	-1%	3%	9%	Strengthened			<Scl/Tech Inst 20	20 Scl/Tech Inst								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Broad Line	Period 1 of 10 (Current)	13	-20%	3%	16%	Strengthened			13 BroadLine->	13 BroadLine->								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Broad Line	Period 2 of 10	13	-10%	-6%	-2%	Weakened			<BroadLine 13	<BroadLine 13								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Broad Line	Period 3 of 10	13	-9%	-2%	-1%	Weakened			13 BroadLine	13 BroadLine								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Broad Line	Period 4 of 10	13	-4%	3%	10%	Strengthened			13 BroadLine->	13 BroadLine->								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Broad Line	Period 5 of 10	13	-1%	2%	2%	Unchanged			13 BroadLine	13 BroadLine								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Broad Line	Period 6 of 10	13	-1%	3%	7%	Unchanged			13 BroadLine	13 BroadLine								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Broad Line	Period 7 of 10	13	-10%	-5%	0%	Weakened			<BroadLine 13	<BroadLine 13								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Broad Line	Period 8 of 10	13	-9%	-1%	2%	Weakened			13 BroadLine	13 BroadLine								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Broad Line	Period 9 of 10	13	-11%	-3%	9%	Weakened			13 BroadLine	13 BroadLine								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Broad Line	Period 10 of 10	13	1%	7%	14%	Strengthened			13 BroadLine->	13 BroadLine->								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Integrated Circuits	Period 1 of 10 (Current)	14	-8%	1%	8%	Unchanged			14 IC Semis	14 IC Semis								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Integrated Circuits	Period 2 of 10	14	-10%	-5%	5%	Weakened			14 IC Semis	14 IC Semis								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Integrated Circuits	Period 3 of 10	14	-11%	-7%	1%	Weakened			<IC Semis 14	<IC Semis 14								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Integrated Circuits	Period 4 of 10	14	-7%	2%	6%	Strengthened			14 IC Semis->	14 IC Semis->								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Integrated Circuits	Period 5 of 10	14	-14%	-3%	1%	Unchanged			14 IC Semis	14 IC Semis								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Integrated Circuits	Period 6 of 10	14	-2%	3%	17%	Unchanged			14 IC Semis	14 IC Semis								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Integrated Circuits	Period 7 of 10	14	-10%	-5%	0%	Weakened			<IC Semis 14	<IC Semis 14								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Integrated Circuits	Period 8 of 10	14	3%	1%	2%	Unchanged			14 IC Semis	14 IC Semis								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Integrated Circuits	Period 9 of 10	14	-11%	-6%	-2%	Weakened			<IC Semis 14	<IC Semis 14								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Integrated Circuits	Period 10 of 10	14	1%	5%	16%	Strengthened			14 IC Semis->	14 IC Semis->								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Memory Chips	Period 1 of 10 (Current)	4	-18%	2%	13%	Unchanged			4 Mem Chips	4 Mem Chips								
7 Days - 10/26/23 to 11/02/23	ELECTRONICS - Semiconductor - Memory Chips	Period 2 of 10	4	-13%	-6%	-3%	Weakened			<Mem Chips 4	<Mem Chips 4								
7 Days - 10/26/23 to 1																			



## 2C. Stocks 1 Week Strongest and Weakest

What: stocks currently rated Strongest/Weakest (highest/lowest of 9 strength ratings)

Why: most interesting stocks for available capital because

- the Strongest have the least amount of overhead supply to dampen breakouts while
- the Weakest may be prone to volatility, subject to big pops from bottom-fishing and short-covering BUT ALSO to bigger and faster falls.

(Not guaranteed and not a recommendation - weak stocks in weakening sub-industries may be better shorts than high-flyers.)

STOCK DETAIL (EDUCATIONAL PURPOSES ONLY/NOT FINANCIAL ADVICE)										1 week 10/26/23 to 11/02/23									
Sub-Industry	Ticker	Company	ID1	ID2	% Chg	ID3	Status	9Weakest	8Weak	7Weaker	6Weak	5Avg	4Strong	3Stronger	2VStrong	1Strongest			
ELECTRONICS - Diversified Electronics	BELFA	Bel Fuse Inc Cl A	11-61-61	74%	11%	13%	1Strongest										BELFA-->	BELFA-->	BELFA-->
ELECTRONICS - Diversified Electronics	BELFB	Bel Fuse Inc Cl B	15-61-61	83%	8%	36%	1Strongest												
ELECTRONICS - Diversified Electronics	VNT	Vontier Corporation	11-61-61	73%	8%	10%	1Strongest										VNT-->	VNT-->	VNT-->
ELECTRONICS - Diversified Electronics	WIRE	Encore Wire Corp	15-61-61	89%	3%	6%	1Strongest												
ELECTRONICS - Diversified Electronics	BW	Babcock & Wilcox	95-61-61	19%	4%	53%	9Weakest												
ELECTRONICS - Diversified Electronics	CTS	Cts Corp	95-61-61	68%	4%	9%	9Weakest												
ELECTRONICS - Diversified Electronics	MVIS	Microvision Inc	95-61-61	7%	3%	30%	9Weakest												
ELECTRONICS - Diversified Electronics	SANM	Sanmina-Sci Corporation	95-61-61	67%	2%	7%	9Weakest												
ELECTRONICS - Diversified Electronics	MEI	Methode Electronics Cl A	95-61-61	7%	2%	36%	9Weakest												
ELECTRONICS - Diversified Electronics	GLW	Corning Inc	95-61-61	34%	2%	16%	9Weakest												
ELECTRONICS - Diversified Electronics	PLUG	Plug Power Inc	95-61-61	7%	0%	39%	9Weakest												
ELECTRONICS - Diversified Electronics	BE	Bloom Energy Corporation	95-61-61	20%	-1%	36%	9Weakest												
ELECTRONICS - Printed Circuit Boards	CLS	Celestica Inc	11-41-61	90%	9%	49%	1Strongest										CLS-->	CLS-->	CLS-->
ELECTRONICS - Printed Circuit Boards	JBL	Jabil Inc	15-41-61	88%	2%	27%	1Strongest												
ELECTRONICS - Printed Circuit Boards	PKE	Park Aerospace Corp	11-41-61	37%	2%	6%	1Strongest												
ELECTRONICS - Scientific & Technical Instruments	GRMN	Garmin Ltd	11-61-61	44%	13%	12%	1Strongest										GRMN-->	GRMN-->	GRMN-->
ELECTRONICS - Scientific & Technical Instruments	GEOS	Geospace Technologies Corporation	15-61-61	60%	-4%	42%	1Strongest												
ELECTRONICS - Scientific & Technical Instruments	FARO	Faro Technologies Inc	95-61-61	5%	15%	23%	9Weakest												
ELECTRONICS - Scientific & Technical Instruments	NOVT	Novanta Inc	95-61-61	60%	6%	13%	9Weakest												
ELECTRONICS - Scientific & Technical Instruments	COHR	Coherent Inc	95-61-61	13%	6%	20%	9Weakest												
ELECTRONICS - Scientific & Technical Instruments	KEYS	Keysight Technologies Inc	95-61-61	38%	3%	19%	9Weakest												
ELECTRONICS - Scientific & Technical Instruments	CGNX	Cognex Corp	95-61-61	1%	2%	28%	9Weakest												
ELECTRONICS - Scientific & Technical Instruments	WAT	Waters Corp	95-61-61	32%	0%	14%	9Weakest												
ELECTRONICS - Scientific & Technical Instruments	HURC	Hurco Companies Inc	95-61-61	1%	-1%	23%	9Weakest												
ELECTRONICS - Scientific & Technical Instruments	VPK	Vishay Precision Group	95-61-61	47%	-1%	18%	9Weakest												
ELECTRONICS - Scientific & Technical Instruments	BBKR	Braker Corp	95-61-61	42%	-2%	20%	9Weakest												
ELECTRONICS - Scientific & Technical Instruments	BIO	Bio-rad Laboratories Inc Cl A	95-61-61	6%	4%	31%	9Weakest												
ELECTRONICS - Scientific & Technical Instruments	ST	Sensata Technologies Holding N.V.	95-61-61	21%	-8%	27%	9Weakest												
ELECTRONICS - Scientific & Technical Instruments	TRMB	Trimble Inc	95-61-61	28%	-11%	9%	9Weakest												
ELECTRONICS - Semiconductor - Broad Line	INTC	Intel Corp	11-51-61	29%	16%	17%	1Strongest										INTC-->	INTC-->	INTC-->
ELECTRONICS - Semiconductor - Broad Line	ASX	ASE Industrial Holding Co. Ltd	11-51-61	73%	6%	3%	1Strongest										ASX-->	ASX-->	ASX-->
ELECTRONICS - Semiconductor - Broad Line	SITM	Sitime Corp	95-51-61	29%	6%	8%	9Weakest												
ELECTRONICS - Semiconductor - Broad Line	LASR	nLIGHT Inc	95-51-61	1%	5%	26%	9Weakest												
ELECTRONICS - Semiconductor - Broad Line	TXN	Texas Instruments Inc	95-51-61	50%	2%	13%	9Weakest												
ELECTRONICS - Semiconductor - Broad Line	QRVO	Qorvo Inc	95-51-61	18%	-1%	14%	9Weakest												
ELECTRONICS - Semiconductor - Integrated Circuits	AMKR	Amkor Technology Inc	95-75-61	67%	6%	11%	9Weakest												
ELECTRONICS - Semiconductor - Integrated Circuits	POWI	Power Integrations Inc	95-75-61	50%	3%	14%	9Weakest												
ELECTRONICS - Semiconductor - Integrated Circuits	ADI	Analog Devices Inc	95-75-61	70%	2%	10%	9Weakest												
ELECTRONICS - Semiconductor - Integrated Circuits	SWKS	Skyworks Solutions Inc	95-75-61	17%	1%	16%	9Weakest												
ELECTRONICS - Semiconductor - Integrated Circuits	TSEM	Tower Semiconductor Ltd	95-75-61	28%	1%	35%	9Weakest												
ELECTRONICS - Semiconductor - Integrated Circuits	IPGP	Ipg Photonics Corp	95-75-61	3%	0%	22%	9Weakest												
ELECTRONICS - Semiconductor - Integrated Circuits	DIOD	Diodes Inc	95-75-61	44%	-4%	22%	9Weakest												
ELECTRONICS - Semiconductor - Integrated Circuits	ALGM	Allegro Microsystems Inc	95-75-61	23%	-7%	35%	9Weakest												
ELECTRONICS - Semiconductor - Integrated Circuits	SMTC	Semtech Corp	95-75-61	1%	-7%	44%	9Weakest												
ELECTRONICS - Semiconductor - Memory Chips	MU	Micron Technology Inc	11-55-61	59%	9%	3%	1Strongest										MU-->	MU-->	MU-->
ELECTRONICS - Semiconductor - Specialized	MX	MagnaChip Semiconductor Corp	95-85-61	9%	8%	16%	9Weakest												
ELECTRONICS - Semiconductor - Specialized	RUN	Sunrun Inc	95-85-61	2%	8%	42%	9Weakest												
ELECTRONICS - Semiconductor - Specialized	CEVA	Ceva Inc	95-85-61	3%	6%	28%	9Weakest												
ELECTRONICS - Semiconductor - Specialized	SPWR	SunPower Corp	95-85-61	3%	5%	58%	9Weakest												
ELECTRONICS - Semiconductor - Specialized	UCTT	Ultra Clean Holdings	95-85-61	28%	5%	23%	9Weakest												
ELECTRONICS - Semiconductor - Specialized	CRUS	Cirrus Logic Inc	95-85-61	46%	5%	17%	9Weakest												
ELECTRONICS - Semiconductor - Specialized	CSIQ	Canadian Solar Inc	95-85-61	15%	4%	39%	9Weakest												
ELECTRONICS - Semiconductor - Specialized	NVEC	Nve Corp	95-85-61	41%	1%	16%	9Weakest												
ELECTRONICS - Semiconductor - Specialized	MCHP	Microchip Technology Inc	95-85-61	69%	1%	9%	9Weakest												
ELECTRONICS - Semiconductor - Specialized	AOSL	Alpha & Omega Semicond Ltd	99-85-61	32%	1%	13%	9Weakest												
ELECTRONICS - Semiconductor - Specialized	FSLR	First Solar Inc	95-85-61	58%	-2%	20%	9Weakest												
ELECTRONICS - Semiconductor - Specialized	INDI	Indie Semiconductor Inc	95-85-61	3%	-3%	39%	9Weakest												
ELECTRONICS - Semiconductor - Specialized	MAXN	Maxeon Solar Technologies Ltd	95-85-61	1%	-6%	71%	9Weakest												
ELECTRONICS - Semiconductor - Specialized	SLAB	Silicon Laboratories Inc	95-85-61	14%	-8%	40%	9Weakest												
ELECTRONICS - Semiconductor - Specialized	LSCC	Lattice Semiconductor	95-85-61	54%	-18%	34%	9Weakest												
ELECTRONICS - Semiconductor Equipment & Materials	SNPS	Synopsys Inc	11-79-61	96%	6%	15%	1Strongest										SNPS-->	SNPS-->	SNPS-->
ELECTRONICS - Semiconductor Equipment & Materials	WOLF	WolfSpeed Inc	95-79-61	6%	12%	37%	9Weakest												
ELECTRONICS - Semiconductor Equipment & Materials	MXL	Maxlinear Inc	95-79-61	11%	9%	45%	9Weakest												
ELECTRONICS - Semiconductor Equipment & Materials	ADEA	Adela Inc	95-79-61	23%	5%	10%	9Weakest												
ELECTRONICS - Semiconductor Equipment & Materials	KLIC	Kulicke & Soffa Ind	95-79-61	46%	4%	15%	9Weakest												
ELECTRONICS - Semiconductor Equipment & Materials	ICHR	Ichor Holdings Ltd	95-79-61	23%	3%	20%	9Weakest												
ELECTRONICS - Semiconductor Equipment & Materials	ASYS	Amtech Systems Inc	95-79-61	31%	3%	19%	9Weakest												
ELECTRONICS - Semiconductor Equipment & Materials	TER	Teradyne Inc	95-79-61	38%	1%	16%	9Weakest												
ELECTRONICS - Semiconductor Equipment & Materials	AMBA	Amarella Inc	95-79-61	5%	1%	36%	9Weakest												
ELECTRONICS - Semiconductor Equipment & Materials	COHU	Cohu Inc	95-79-61	53%	1%	15%	9Weakest												
ELECTRONICS - Semiconductor Equipment & Materials	ATOM	Atomera Incorporated	99-79-61	8%	-9%	17%	9Weakest												
ELECTRONICS - Semiconductor Equipment & Materials	ENPH	Enphase Energy Inc	95-79-61	22%	-18%	53%	9Weakest												

Strongest to Weakest stocks ratio is 13:59 (11% and 48% of total) 10/26/23 to 11/02/23.

Green Highlight: Strengthened

Red Highlight: Weakened

No Highlight: Unchanged

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November 02, 2023

For educational purposes only. Not a stock or investment recommendation.

### 3. STRENGTH BY LOOKBACK PERIOD (with Best/Worst stocks)

#### 3A. Lookback 3 Months



1 stock >+20% and 51 stocks <-20% (1% and 42% of total) 08/04/23 to 11/02/23.



### 3. STRENGTH BY LOOKBACK PERIOD (with Best/Worst stocks)

#### 3B. Lookback 4 Weeks

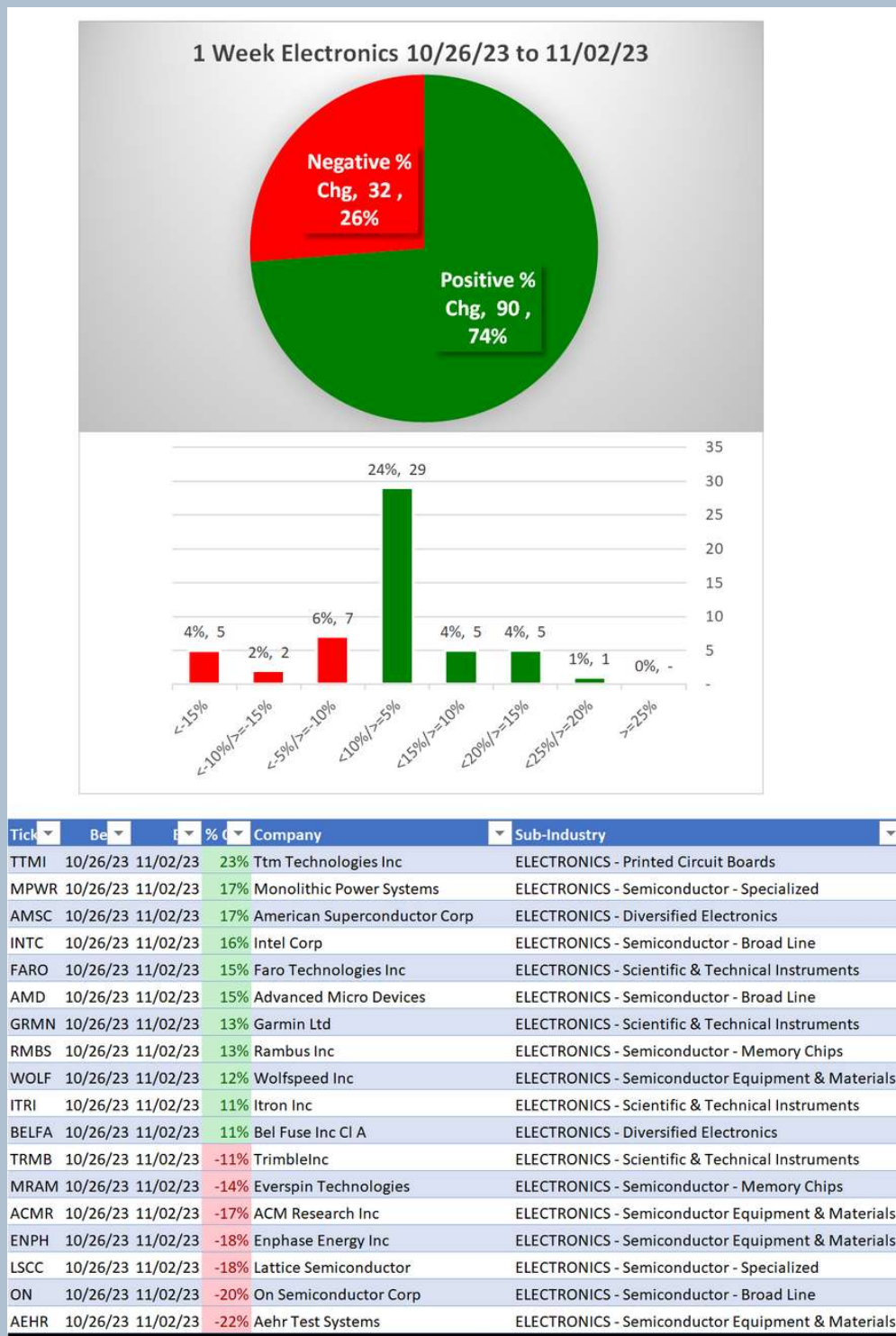


4 stocks > +10% and 29 stocks < -10% (3% and 24% of total) 10/05/23 to 11/02/23.



### 3. STRENGTH BY LOOKBACK PERIOD (with Best/Worst stocks)

#### 3C. Lookback 1 Week



11 stocks >+10% and 7 stocks <-10% (9% and 6% of total) 10/26/23 to 11/02/23.