June 16, 2024

1Q24 Semiconductor Earnings Summary—Final Weak 1Q and 2Q Guidance Finish Improved with NVDA and AVGO AI Boost

The 1Q earnings season is now complete with 54 out of 55 companies in my Tokeneke Universe having reported (SQNS is struggling with a potential de-listing, among other things). The weak 1Q earnings season metrics improved considerably in its closing weeks as AI-juggernauts NVDA and AVGO announced their April-ended quarters. Nevertheless: 1Q was weak; 2Q guidance is soft; and half the companies reporting missed expectations. And while the AI guys drove SOX outperformance this quarter, the average stock across my Universe underperformed. AI and its impact on memory is the only thing working right now, and I hope AI euphoria ahead of revenue and profits lasts long enough for PCs, smartphones, automotive, servers and IoT to return to growth.

Memory Rules: Memories account for >20% of total chip industry sales and three-quarters of those memory suppliers are *NOT* in my Tokeneke Universe (Samsung, Hynix and Kioxia). According to WSTS, semiconductor industry growth in 2023 declined -8% while memories declined an even worse -29%. On the other hand, expected 2024 industry growth of +16% is boosted by memories at +77%. I exclude MU and WDC in the table below due to their growth rate differentials (and will differentiate NVDA next quarter). Recall my US-equity based Tokeneke Universe does *not* include most large international firms, although it does include wafer foundries and IP companies that count as manufacturing costs rather than industry sales. I also normalize fiscal quarters to the best fitting two out of three months. Unreported acquisition stub periods and mergers exiting the sector can also make a difference.

1Q Miss Improves: 1Q chip revenue fell short of historical norms but finished at the high-end of company guidance thanks to AI. The weighted average sales across my Tokeneke Universe improved a lot since Week 3 to a sequential quarterly decline of -2.2% as noted in the adjacent table. Company guidance was centered at -4.6% ranging from -7.0% to -2.2% after only one preannouncement that was an increase from SIMO—which is an unusually tiny number of preannoucements. SIA/WSTS industry statistics for 1Q released last month reflected a sequential decline of -5.7%. The 1Q is seasonally the weakest quarter of the year with an average sequential revenue decline of -2.1%, a high of +9.2%, a low of

		1Q	2Q	2Q Range
Week 1	Weighted	-6.7%	4.8%	+1.8+7.7%
12 co's	excl mem	-11.2%	3.3%	+0.4+6.3%
\$50.3B	co. avg	-5.5%	-0.8%	-4.0+2.3%
Week 2	Weighted	-6.9%	2.7%	-0.7+6.0%
28 co's	excl mem	-9.8%	1.5%	-1.9+4.8%
\$73.7B	co. avg	-0.3%	-3.6%	-7.2+0%
Week 3	Weighted	-7.5%	2.4%	-0.8+5.7%
45 co's	excl mem	-10.1%	1.3%	-2.0+4.6%
\$80.4B	co. avg	-2.9%	1.7%	-1.8+5.3%
Final	Weighted	-2.2%	3.4%	+0.6+6.1%
54 co's	excl mem	-6.5%	2.3%	-0.7+5.2%
\$122.8B	co. avg	-3.7%	0.9%	-2.7+4.5%

-19.4%, and 25 declines in the last 37 years—including 11 of the last 12, per industry statistics.

Weak 2Q Guidance Improves: The 2Q revenue outlook based on management guidance across my Tokeneke Universe improved—again, thanks to AI—but remains below average, as noted in the table above. The specific weighted average guidance for revenue calls for a sequential gain of +3.4% this quarter, ranging from +0.6% to +6.1%. The 2Q is seasonally a recovery quarter with an average revenue increase of +4.2%, a high of +20.0%, a low of -19.9%, and eight declines in the last 38 years—including only two of the last 13, per industry statistics.

Half Make/Miss Expectations: The Performance to Expectations histogram on Page 2 shows my Universe splitting exactly in half between those making and missing 1Q expectations. The category of outperforming companies meeting or exceeding expectations rose to 50% up from 49% Week 3, 39% Week 2 and 42% Week 1, and includes all the AI and memory firms. Those reporting 'mixed' results simultaneously missing, meeting and exceeding was down to 41% from 44%, 57% and 50%, while underperformers that completely missed expectations was up to 9% from 7%, 4% and 8%. Recall this metric compares investor expectations to reported results for 1Q revenue and EPS, as well as 2Q revenue guidance. Note the grading Legend on Page 2 and details on Pages 3-5.

SOX Outperforms, But Without Breadth: Semiconductor sector share prices flipped to outperformance from underperformance since Week 3, but most of my Universe is underperforming relative to broader equity market gains so far this quarter. Quarter-to-date the Philadelphia Semiconductor Index Option (SOX) has advanced by +14.1% while 29 out of 55 stocks in my Tokeneke Universe have gained by an average of only +2.4% versus the NASDAQ, S&P500 and DOW at +8.0%, +3.4%, and -3.1%, respectively.

Stocks Still Scary: While AI is growing the rest of the semiconductor industry's markets are struggling. In the meantime, the SOX index is way over-extended compared to the S&P500 and most fundamental valuations across the sector are unattractive, in my opinion. I would be very careful and extremely selective considering potential chip sector opportunities at this time.

CY1Q24 earnings announcements through June 14, 2024. Most earnings and gross margins are non-GAAP. Companies sorted alphabetically by ticker across all compilations in this report.

1Q24 Earnings Review

* includes acquisition (and/or divestiture)

		Revenu	e		Revenue			
-	1Q24	Qtr-Qtr	2Q24	_	1Q24	Qtr-Qtr	2Q24	
Ticker	(\$ mil)	change	Guidance	Ticker	(\$ mil)	change	Guidance	
ADEA	83.4	-4.0%	no guidance	NLST	35.8	7.1%	no guidance	
ADI	2,159.0	-14.1%	+1+10%	NVDA	26,044.0	17.8%	+5+10%	
ALAB	65.3	29.3%	+10+12%	NXPI	3,126.0	-8.6%	-3+3%	
AMBA	54.5	5.6%	+10+18%	ON	1,862.7	-7.7%	-10-4%	
AMD	5,473.0	-11.3%	-1+10%	PI	76.8	8.6%	+25+29%	
AOSL	150.1	-9.2%	+0+13%	POWI	91.7	2.5%	+9+20%	
ARM	928.0	12.6%	-6-0%	PXLW	16.1	-20.0%	-50-44%	
AVGO	12,487.0	4.4%	no guidance	QCOM	9,386.0	-5.4%	-6+2%	
CEVA	22.1	-8.7%	+6+16%	QRVO	941.0	-12.4%	-12-7%	
CRUS	371.8	-39.9%	-22-6%	QUIK	6.0	-19.8%	-33-18%	
DIOD	302.0	-6.4%	+2+8%	RMBS	117.9	-3.5%	+10+26%	
GFS	1,549.0	-16.5%	+3+6%	SIMO	189.3	-6.5%	+5+10%	
GSIT	5.2	-3.2%	-11+1%	SITM	33.0	-22.1%	+21+27%	
HIMX	207.6	-8.8%	+8+13%	SKYT	79.6	0.5%	+1+7%	
IDCC	263.5	149.8%	-65-63%	SLAB	106.4	22.6%	+27+36%	
INFN	306.9	-32.3%	+1+14%	SMTC	206.1	6.8%	+0+5%	
INTC	12,724.0	-17.4%	-2+6%	STM	3,465.0	-19.1%	-11-4%	
LSCC	140.8	-17.5%	-15-1%	SWKS	1,046.0	-12.9%	-16-12%	
MBLY	239.0	-62.5%	no guidance	SYNA	237.3	0.1%	-3+10%	
MCHP	1,325.8	-24.9%	-8-5%	TSEM	327.2	-7.0%	+2+12%	
MPWR	457.9	0.9%	+5+9%	TSM	18,872.8	-3.8%	+4+8%	
MRAM	14.4	-13.6%	-31-24%	TXN	3,661.0	-10.2%	+0+8%	
MRVL	1,160.9	-18.6%	+2+13%	UMC	1,707.8	-4.6%	+1+3%	
MTSI	181.2	15.3%	+3+7%	VSH	746.3	-5.0%	-2+3%	
MU	5,824.0	23.2%	+10+17%	WDC	3,457.0	14.0%	+4+10%	
MX	49.1	-3.4%	+0+10%	WOLF	200.7	-3.7%	-8+7%	
MXL	95.3	-24.0%	-6+15%	XPER	118.8	-13.4%	no guidance	
excluding NVDA:	96,755.0	-6.5%	-0.7+5.2%	Total (weighted):	122,799.0	-2.2%	+0.6+6.1%	
excl. MU/WDC:	113,518.0	-3.7%	+0.0+5.5%	Company Avera		-3.7%	-2.7+4.5%	
excluding both:	87,474.0	-8.6%	-1.5+4.2%		- •			

Note: 'no guidance' is calculated as flat revenue for statistical purposes.

DIOD INFN STM	MCHP PXLW	CEVA IDCC INTC LSCC MBLY MRAM MRVL MX MXL NLST NXPI ON QRVO QUIK RMBS SKYT SLAB SWKS UMC VSH WOLF XPER	AMD AOSL GSIT MTSI	ADEA ADI AMBA ARM AVGO CRUS GFS MU NVDA POWI QCOM SIMO SMTC SYNA TSM TXN WDC	ALAB HIMX MPWR PI SITM TSEM
5.6% F	3.7% E	40.7% D	7.4% C	31.5% B	11.1% A
-	_	_	-	_	
misse		mixed	n	net/exceede	ed
9.3	3%	40.7%		50.0%	
Total:	54	companies	with estir	mates or gu	idance

Performance	to	Expectations	Skew
-------------	----	--------------	------

LEGEND

Grade

В

С

D

Е

F

all +++

all +

all o/+

mixed -/o/+

all o/-

all -

exceeded the high-end of the range

missed the low-end of the range

slightly above consensus

slightly below consensus

met consensus

above consensus, within the high-end of the range

missed consensus, within the low-end of the range

ADEA	3 est.	Adeia		CY24rev:	3%	GFS	15 est.	GlobalFour	ndries	CY24rev:	-9%
Qtr:	1Q	Grade:	В	Growth	(qtr-qtr)	Qtr:	1Q	Grade:	В	Growth	(qtr-qtr)
Rev:	83.4	Rev:	++	Rev:	-4.0%	Rev:	1.549	Rev:	++	Rev:	-16.5%
GM:	100.0%	EPS:	+++	Fcst:	na	GM:	26.1%	EPS:	+++	Fcst:	+3+6%
EPS:	\$0.25	Fcst:	na	Div:	\$0.05	EPS:	\$0.31	Fcst:	+	Div:	
	40						40.0				
ADI	25 est.	Analog Devi	ices	FY24rev:	-24%	GSIT	no est.	GSI Techn	oloav	FY25rev:	na
Qtr:	F2Q	Grade:	В	Growth	(qtr-qtr)	Qtr:	F4Q	Grade:	C	Growth	
Rev:	2,159.0	Rev:	+++	Rev:	-14.1%	Rev:	5.15	Rev:	0	Rev:	-3.2%
GM:	66.7%	EPS:	+++	Fcst:	+1+10%	GM:	51.6%	EPS:	na	Fcst:	-11+1%
EPS:	\$1.40	Fcst:	++	Div:	\$0.92	EPS:	(\$0.17)	Fcst:	na	Div:	,,
	ψσ				Ψ0.02		(ψο)				
ALAB	11 est.	Astera Labs	3	CY24rev:	162%	HIMX	3 est.	Himax		CY24rev:	-3%
Qtr:	1Q	Grade:	Α	Growth	(qtr-qtr)	Qtr:	1Q	Grade:	Α		(qtr-qtr)
Rev:	65.3	Rev:	+++	Rev:	29.3%	Rev:	207.6	Rev:	++	Rev:	-8.8%
GM:	78.2%	EPS:	+++		+10+12%	GM:	29.3%	EPS:	+++	Fcst:	+8+13%
EPS:	\$0.10	Fcst:	+++	Div:	1011270	EPS:	\$0.071	Fcst:	+++	Div:	\$0.073
<u> </u>	ψ0.10	1 001.					ψ0.07 1	1 001.		DIV.	ψ0.010
AMBA	15 est.	Ambarella		FY25rev:	11%	IDCC	4 est.	InterDigital		CY24rev:	16%
Qtr:	F1Q	Grade:	В	Growth	(qtr-qtr)	Qtr:	1Q	Grade:	D	Growth	(gtr-gtr)
Rev:	54.5	Rev:	+++	Rev:	5.6%	Rev:	263.5	Rev:	+++	Rev:	149.8%
GM:	63.4%	EPS:	+++	Fcst:	+10+18%	GM:	63.3%	EPS:	+++	Fcst:	-65-63%
EPS:	(\$0.26)	Fcst:	++	Div:		EPS:	\$3.58	Fcst:		Div:	\$0.40
	(40.20)						ψ0.00				ψ00
AMD	32 est.	Adv Micro E	Devices	CY24rev:	13%	INFN	10 est.	Infinera		CY24rev:	-5%
Qtr:	1Q	Grade:	С	Growth	(qtr-qtr)	Qtr:	1Q	Grade:	F	Growth	
Rev:	5,473	Rev:	+	Rev:	-11.3%	Rev:	306.9	Rev:		Rev:	-32.3%
GM:	52.3%	EPS:	+	Fcst:	-1+10%	GM:	36.6%	EPS:		Fcst:	+1+14%
EPS:	\$0.62	Fcst:	0	Div:	-111070	EPS:	(\$0.17)	Fcst:		Div:	111170
LI 0.	ψ0.02	1 031.		DIV.			(ψ0.17)	1 031.		DIV.	
AOSL	3 est.	Alpha & Om	nega	FY24rev:	-5%	INTC	31 est.	Intel		CY24rev:	3%
Qtr:	F3Q	Grade:	C	Growth		Qtr:	1Q	Grade:	D		(qtr-qtr)
Rev:	150.1	Rev:	0	Rev:	-9.2%	Rev:	12,724	Rev:	_	Rev:	-17.4%
GM:	25.2%	EPS:	+++	Fcst:	+0+13%	GM:	45.1%	EPS:	++	Fcst:	-2+6%
EPS:	(\$0.04)	Fcst:	+	Div:		EPS:	\$0.18	Fcst:		Div:	\$0.125
	(+0.00.)						70110				701120
ARM	19 est.	ARM		FY25rev:	23%	LSCC	12 est.	Lattice Ser	ni	CY24rev:	-23%
Qtr:	F4Q	Grade:	В	Growth	(qtr-qtr)	Qtr:	1Q	Grade:	D		(qtr-qtr)
Rev:	928	Rev:	+++	Rev:	12.6%	Rev:	140.8	Rev:	+++	Rev:	-17.5%
GM:	97.2%	EPS:	+++	Fcst:	-6-0%	GM:	69.0%	EPS:	+	Fcst:	-15-1%
EPS:	\$0.36	Fcst:	++	Div:		EPS:	\$0.29	Fcst:		Div:	
										-	
AVGO	28 est.	Broadcom		FY24rev:	43%	MBLY	21 est.	Mobileye C	_	CY24rev:	-9%
Qtr:	F2Q	Grade:	В	Growth	(qtr-qtr)	Qtr:	1Q	Grade:	D		(qtr-qtr)
Rev:	12,487	Rev:	+++	Rev:	4.4%	Rev:	239.0	Rev:	++	Rev:	-62.5%
GM:	76.2%	EPS:	+	Fcst:	na	GM:	61.9%	EPS:	-	Fcst:	na
EPS:	\$10.96	Fcst:	na	Div:	\$5.25	EPS:	(\$0.07)	Fcst:	na	Div:	
OE\/*	6 1	Cours		0\/0.4	00/	MOUS	04 = 1	Mierre	T !-	EV05:	000/
CEVA	6 est.	Ceva		CY24rev:	6% (artis, artis)	MCHP	21 est.	Microchip		FY25rev:	-28%
Qtr:	1Q	Grade:	D	Growth	(, , , , , , , , , , , , , , , , , , ,	Qtr:	F4Q	Grade:	E		(qtr-qtr)
Rev:	22.07	Rev:		Rev:	-8.7%	Rev:	1,325.8	Rev:	-	Rev:	-24.9%
GM:	90.2%	EPS:		Fcst:	+6+16%	GM:	60.3%	EPS:	0	Fcst:	-8-5%
EPS:	(\$0.05)	Fcst:	+	Div:		EPS:	\$0.57	Fcst:		Div:	\$0.452
CRUS	8 est.	Cirrus Logic		FY25rev:	10/	MDWD	12 oot	Monlithia E	Power Su	o CV24rov	1 /10/
	o est.	Cirrus Logic	; В		1% (atr. atr.)	MPWR	12 est.			s CY24rev:	14%
		(20000	D	Growth		Qtr:	1Q 457.9	Grade: Rev:	Α		(qtr-qtr) 0.9%
Qtr:	F4Q	Grade:		Pov	_30 0%						
Qtr: Rev:	F4Q 371.8	Rev:	+++	Rev:	-39.9%	Rev:			+++	Rev:	
Qtr: Rev: GM:	F4Q 371.8 51.9%	Rev: EPS:	+++ +++	Fcst:	-39.9% -22-6%	GM:	55.7%	EPS:	+++	Fcst:	+5+9%
Qtr: Rev:	F4Q 371.8	Rev:	+++								
Qtr: Rev: GM: EPS:	F4Q 371.8 51.9% \$1.24	Rev: EPS: Fcst:	+++ +++	Fcst: Div:	-22-6%	GM: EPS:	55.7% \$2.81	EPS: Fcst:	+++	Fcst:	+5+9% \$1.25
Qtr: Rev: GM: EPS:	F4Q 371.8 51.9% \$1.24 6 est.	Rev: EPS: Fcst:	+++ +++ ++	Fcst: Div:	-22-6%	GM: EPS: MRAM	55.7% \$2.81 2 est.	EPS: Fcst:	+++ +++ Tech	Fcst: Div:	+5+9% \$1.25 -19%
Qtr: Rev: GM: EPS: DIOD Qtr:	F4Q 371.8 51.9% \$1.24 6 est.	Rev: EPS: Fcst: Diodes Grade:	+++ +++ ++	Fcst: Div: CY24rev: Growth	-22-6% -21% (qtr-qtr)	GM: EPS: MRAM Qtr:	55.7% \$2.81 2 est. 1Q	EPS: Fcst: Everspin T Grade:	+++ +++ Tech	Fcst: Div: CY24rev: Growth	+5+9% \$1.25 -19% (qtr-qtr)
Qtr: Rev: GM: EPS: DIOD Qtr: Rev:	F4Q 371.8 51.9% \$1.24 6 est. 1Q 302.0	Rev: EPS: Fcst: Diodes Grade: Rev:	+++ +++ ++	Fcst: Div: CY24rev: Growth Rev:	-22-6% -21% (qtr-qtr) -6.4%	GM: EPS: MRAM Qtr: Rev:	55.7% \$2.81 2 est. 1Q 14.43	EPS: Fcst: Everspin T Grade: Rev:	+++ +++ Tech D +++	Fcst: Div: CY24rev: Growth Rev:	+5+9% \$1.25 -19% (qtr-qtr) -13.6%
Qtr: Rev: GM: EPS: DIOD	F4Q 371.8 51.9% \$1.24 6 est.	Rev: EPS: Fcst: Diodes Grade:	+++ +++ ++	Fcst: Div: CY24rev: Growth	-22-6% -21% (qtr-qtr)	GM: EPS: MRAM Qtr:	55.7% \$2.81 2 est. 1Q	EPS: Fcst: Everspin T Grade:	+++ +++ Tech	Fcst: Div: CY24rev: Growth	+5+9% \$1.25 -19% (qtr-qtr)

MRVL	26 est.	Marvell		FY25rev:	-2%	PXLW	3 est.	Pixelworks		CY24rev:	-14%
Qtr:	F1Q	Grade:	D	Growth	(qtr-qtr)	Qtr:	1Q	Grade:	E	Growth	(gtr-gtr)
Rev:	1,160.9	Rev:	-	Rev:	-18.6%	Rev:	16.1	Rev:	0	Rev:	-20.0%
GM:	62.4%	EPS:	-	Fcst:	+2+13%	GM:	50.7%	EPS:	0	Fcst:	-50-44%
EPS:	\$0.24	Fcst:	+	Div:	\$0.06	EPS:	(\$0.07)	Fcst:		Div:	
							`				
MTSI	13 est.	MACOM Te	ch	FY24rev:	12%	QCOM	25 est.	Qualcomm		FY24rev:	7%
Qtr:	F2Q	Grade:	С	Growth	(qtr-qtr)	Qtr:	F2Q	Grade:	В	Growth	(qtr-qtr)
Rev:	181.2	Rev:	+++	Rev:	15.3%	Rev:	9,386	Rev:	++	Rev:	-5.4%
GM:	57.1%	EPS:	0	Fcst:	+3+7%	GM:	56.9%	EPS:	++	Fcst:	-6+2%
EPS:	\$0.59	Fcst:	+	Div:		EPS:	\$2.44	Fcst:	++	Div:	\$0.85
MU	24 est.	Micron Tech	1	FY24rev:	59%	QRVO	22 est.	Qorvo		FY25rev:	3%
Qtr:	F2Q	Grade:	В	Growth	(qtr-qtr)	Qtr:	F4Q	Grade:	D	Growth	(qtr-qtr)
Rev:	5,824	Rev:	+++	Rev:	23.2%	Rev:	941.0	Rev:	++	Rev:	-12.4%
GM:	20.0%	EPS:	+++	Fcst:	+10+17%	GM:	42.5%	EPS:	++	Fcst:	-12-7%
EPS:	\$0.42	Fcst:	++	Div:	\$0.115	EPS:	\$1.39	Fcst:		Div:	
MX	3 est.	MagnaChip		CY24rev:	3%	QUIK	2 est.	QuickLogic		CY24rev:	30%
Qtr:	1Q	Grade:	D	Growth	(gtr-gtr)	Qtr:	1Q	Grade:	D	Growth	(gtr-gtr)
Rev:	49.07	Rev:	+	Rev:	-3.4%	Rev:	6.0	Rev:	-	Rev:	-19.8%
GM:	18.3%	EPS:	+++	Fcst:	+0+10%	GM:	70.3%	EPS:	+++	Fcst:	-33-18%
EPS:	(\$0.28)	Fcst:		Div:	570	EPS:	\$0.11	Fcst:		Div:	30 107
	(+===)						+				
MXL	10 est.	MaxLinear		CY24rev:	-37%	RMBS	4 est.	Rambus		CY24rev:	27%
Qtr:	1Q	Grade:	D	Growth	(qtr-qtr)	Qtr:	1Q	Grade:	D	Growth	
Rev:	95.3	Rev:	+++	Rev:	-24.0%	Rev:	117.9	Rev:		Rev:	-3.5%
GM:	60.6%	EPS:	+	Fcst:	-6+15%	GM:	82.5%	EPS:		Fcst:	+10+26
EPS:	(\$0.21)	Fcst:		Div:		EPS:	\$0.30	Fcst:	+	Div:	
						,					
NLST	1 est.	Netlist		CY24rev:	131%	SIMO	8 est.	Silicon Moti	on	CY24rev:	28%
Qtr:	1Q	Grade:	D		<u> </u>	Qtr:	1Q	Grade:	В	Growth	
Rev:	35.81	Rev:	+	Rev:	7.1%	Rev:	189.3	Rev:	+++	Rev:	-6.5%
GM:	2.0%	EPS:		Fcst:	na	GM:	45.0%	EPS:	++	Fcst:	+5+10%
EPS:	(\$0.07)	Fcst:	na	Div:		EPS:	\$0.64	Fcst:	+++	Div:	\$0.50
NVDA	36 est.	NVIDIA		FY25rev:	98%	SITM	6 est.	SiTime		CY24rev:	25%
Qtr:	F1Q	Grade:	В	Growth	(qtr-qtr)	Qtr:	1Q	Grade:	Α	Growth	(qtr-qtr)
Rev:	26,044	Rev:	++	Rev:	17.8%	Rev:	33.02	Rev:	+++	Rev:	-22.1%
GM:	78.9%	EPS:	++	Fcst:	+5+10%	GM:	57.9%	EPS:	+++	Fcst:	+21+27
EPS:	\$6.12	Fcst:	++	Div:	\$0.10	EPS:	(\$0.08)	Fcst:	+++	Div:	
NXPI	23 est.	NXP Semi		CY24rev:	-1%	SKYT	4 est.	Skywater Te	ach.	CY24rev:	17%
Qtr:	1Q	Grade:	D	Growth	(qtr-qtr)	Qtr:	1Q	Grade:	D D	Growth	(qtr-qtr)
Rev:	3,126	Rev:	-	Rev:	-8.6%	Rev:	79.6	Rev:	-	Rev:	0.5%
GM:	58.2%	EPS:	++	Fcst:	-3+3%	GM:	16.9%	EPS:		Fcst:	+1+7%
EPS:	\$3.24	Fcst:	-	Div:	\$1.014	EPS:	(\$0.08)	Fcst:	+++	Div:	. 1 . 7 /
	Ψ0.2.				ψ		(40.00)				
ON	28 est.	ON Semicor	nductor	CY24rev:	-13%	SLAB	11 est.	Silicon Labs	;	CY24rev:	-19%
Qtr:	1Q	Grade:	D	Growth	(qtr-qtr)	Qtr:	1Q	Grade:	D	Growth	(qtr-qtr)
Rev:	1,862.7	Rev:	+	Rev:	-7.7%	Rev:	106.4	Rev:	+++	Rev:	22.6%
GM:	45.9%	EPS:	+	Fcst:	-10-4%	GM:	52.2%	EPS:	+++	Fcst:	+27+36
EPS:	\$1.08	Fcst:		Div:		EPS:	(\$0.92)	Fcst:	-	Div:	
<u> </u>	0 (lman !!		0)/0.4	450/	CLITC		Cometer		F)/05:	470/
PI	9 est.	Impinj Grado:	Λ	CY24rev:	15% (atr. atr)	SMTC	11 est.	Semtech Grade:	В	FY25rev:	17%
Qtr:	1Q 76.8	Grade:	A +++	Growth Rev:	8.6%	Qtr: Rev:	F1Q 206.1	Grade:	В +++	Growth Rev:	(qtr-qtr)
Rev:		Rev:						Rev:			6.8%
GM:	51.5% \$0.21	EPS:	+++		+25+29%	GM:	49.8% \$0.06	EPS:	+++	Fcst:	+0+5%
EPS:	\$0.21	Fcst:	+++	Div:		EPS:	\$0.06	Fcst:	+	Div:	
POWI	6 est.	Power Integ	rations	CY24rev:	3%	STM	7 est.	STMicroeled	ctronics	CY24rev:	-17%
Qtr:	1Q	Grade:	В	Growth	(qtr-qtr)	Qtr:	1Q	Grade:	F	Growth	(qtr-qtr)
Rev:	91.7	Rev:	+	Rev:	2.5%	Rev:	3,465	Rev:		Rev:	-19.1%
GM:	53.0%	EPS:	+++	Fcst:	+9+20%	GM:	41.7%	EPS:		Fcst:	-11-4%
EPS:	\$0.18	Fcst:	++	Div:	\$0.20	EPS:	\$0.54	Fcst:		Div:	\$0.06

SWKS	23 est.	Skyworks		FY24rev:	-13%	UMC	2 est.	United Micro	0	CY24rev:	3%
Qtr:	F2Q	Grade:	D	Growth	(qtr-qtr)	Qtr:	1Q	Grade:	D	Growth	(qtr-qtr)
Rev:	1,046.0	Rev:	-	Rev:	-12.9%	Rev:	1,708	Rev:		Rev:	-4.6%
GM:	45.0%	EPS:	+	Fcst:	-16-12%	GM:	30.9%	EPS:	0	Fcst:	+1+3%
EPS:	\$1.55	Fcst:		Div:	\$0.68	EPS:	\$0.131	Fcst:	+	Div:	\$0.0335
SYNA	10 est.	Synaptics		FY24rev:	-29%	VSH	4 est.	Vishay Inter	connect	CY24rev:	-10%
Qtr:	F3Q	Grade:	В	Growth	(qtr-qtr)	Qtr:	1Q	Grade:	D	Growth	(qtr-qtr)
Rev:	237.3	Rev:	+++	Rev:	0.1%	Rev:	746.3	Rev:	+++	Rev:	-5.0%
GM:	52.9%	EPS:	+++	Fcst:	-3+10%	GM:	22.8%	EPS:	+	Fcst:	-2+3%
EPS:	\$0.53	Fcst:	+	Div:		EPS:	\$0.22	Fcst:	-	Div:	\$0.10
TSEM	5 est.	Tower Semi		CY24rev:	1%	WDC	19 est.	Western Dig	gital	FY24rev:	5%
Qtr:	1Q	Grade:	Α	Growth	(qtr-qtr)	Qtr:	F3Q	Grade:	В	Growth	(qtr-qtr)
Rev:	327.2	Rev:	+++	Rev:	-7.0%	Rev:	3,457	Rev:	++	Rev:	14.0%
GM:	22.2%	EPS:	+++	Fcst:	+2+12%	GM:	29.3%	EPS:	+++	Fcst:	+4+10%
EPS:	\$0.46	Fcst:	+++	Div:		EPS:	\$0.63	Fcst:	+	Div:	\$0.50
TSM	5 est.	Taiwan Sem	i/TSMC	CY24rev:	23%	WOLF	16 est.	Wolfspeed		FY24rev:	-12%
Qtr:	1Q	Grade:	В	Growth	(qtr-qtr)	Qtr:	F3Q	Grade:	D	Growth	(qtr-qtr)
Rev:	18,873	Rev:	+++	Rev:	-3.8%	Rev:	200.7	Rev:	-	Rev:	-3.7%
GM:	53.1%	EPS:	+++	Fcst:	+4+8%	GM:	15.0%	EPS:	+	Fcst:	-8+7%
EPS:	\$1.38	Fcst:	++	Div:	\$0.5627	EPS:	(\$0.62)	Fcst:		Div:	
TXN	26 est.	Texas Instru	ıments	CY24rev:	-10%	XPER	3 est.	Xperi		CY24rev:	-2%
Qtr:	1Q	Grade:	В	Growth	(qtr-qtr)	Qtr:	1Q	Grade:	D	Growth	(qtr-qtr)
Rev:	3,661	Rev:	+	Rev:	-10.2%	Rev:	118.8	Rev:		Rev:	-13.4%
GM:	57.2%	EPS:	+	Fcst:	+0+8%	GM:	74.9%	EPS:	+++	Fcst:	na
EPS:	\$1.20	Fcst:	+	Div:	\$1.30	EPS:	(\$0.05)	Fcst:	na	Div:	\$0.05

—Dan K. Scovel Semiconductor Analyst

Tokeneke Research LLC Rowayton, CT 06853 dscovel@tokenekeresearch.com www.tokenekeresearch.com 203-554-4621

Copyright © 2024 Tokeneke Research LLC. All rights reserved. This report is for information purposes only and does not constitute a solicitation or an offer to buy or sell any security or to participate in any investment or trading strategy. Opinions expressed in this report reflect the judgment of Tokeneke Research LLC on the topics addressed as of the date of the report and are subject to change without notice. Tokeneke Research LLC makes every effort to use reliable and comprehensive information but makes no representation that the information in this report is accurate or complete, nor does it undertake to update or revise this report at any time or for any reason. This report contains forward-looking statements that involve risks and uncertainties, both known and unknown, as well as assumptions that, if they do not fully materialize or prove incorrect, could cause actual results to differ materially from those expressed or implied by such forward-looking statements. Actual results and trends may differ materially from historical results or those projected in any such forward-looking statements depending on a variety of factors. This report does not provide individually tailored investment advice and has been prepared without regard to the specific individual financial situation, objectives and needs of those who receive it. Securities discussed in this report may not be suitable for the reader. Tokeneke Research LLC and/or Dan Scovel may have a long or short position in the securities of a company, or companies mentioned in this report and, at any time, may change that position. Tokeneke Research LLC accepts no liability whatsoever for any loss or damage of any kind arising out of the use of any part, or all, of this report. All company and product names mentioned in this report may be trademarks or registered trademarks of their respective holders and are used for identification purposes only. Reproduction or distribution of this report, even for internal distribution, is strictly prohibited unless specif