

SEMICONDUCTOR UNIVERSE PRICES
Closing Prices as of 12/29/17

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	1Q	2Q	3Q	4Q	Year
Avg price chng %:	13.9%	1.6%	5.4%	1.3%	22.3%
Positive:	48	28	42	39	44
Negative:	19	36	21	25	20
No chng:	0	0	0	0	0
Total Companies:	67	64	63	64	64

Index	Close	Change	%	1Q	2Q	3Q	4Q	Year
SOX	1,253.05	(13.25)	-1.0%	11.6%	2.3%	13.2%	6.9%	38.2%
SMH	97.81	(0.91)	-0.9%	11.3%	2.7%	14.0%	4.8%	36.5%
NASDAQ	6,903.39	(46.77)	-0.7%	9.8%	3.9%	5.8%	6.3%	28.2%
SP500	2,673.61	(13.93)	-0.5%	5.5%	2.6%	4.0%	6.1%	19.4%
DJIA	24,719.22	(118.29)	-0.5%	4.6%	3.3%	4.9%	10.3%	25.1%

Average P/E: 27.55
Average P/S: 4.01
Average P/B: 4.59

* = SOX

Ticker	Close	Chng	%	52-week Range	1Q	2Q	3Q	4Q	Year	Volume			Diluted Shs (mil)	Cap (\$mil)	Trailing 12-Month		
										Day	Average	%			P/E	P/S	P/B
ACIA	36.23	-0.70	-1.9%	35.36 - 69.57	-5.1%	-29.3%	13.6%	-23.1%	-41.3%	384,894	440,067	-12.5%	41.8	1,513	14.9	3.4	2.9
* ADI	89.03	-0.35	-0.4%	71.00 - 93.99	12.8%	-5.1%	10.8%	3.3%	22.6%	3,414,815	2,433,957	40.3%	372.1	33,128	19.0	6.5	3.3
AMBA	58.75	-0.75	-1.3%	40.06 - 65.39	1.1%	-11.3%	0.9%	19.9%	8.5%	815,881	940,946	-13.3%	34.4	2,019	23.1	6.5	4.3
* AMD	10.28	-0.27	-2.6%	9.42 - 15.65	28.3%	-14.2%	2.2%	-19.4%	-9.3%	26,678,928	50,679,944	-47.4%	1,143.0	11,750	0.0	2.4	22.6
AOSL	16.36	-0.26	-1.6%	14.81 - 23.00	-19.2%	-3.0%	-1.1%	-0.8%	-23.1%	67,502	72,751	-7.2%	25.0	408	18.0	1.0	1.5
AQ	11.33	0.02	0.2%	9.01 - 13.80				25.9%	25.9%	146,877	424,448	-65.4%	33.3	378	neg	3.8	4.5
* AVGO	256.90	-3.52	-1.4%	173.31 - 285.68	23.9%	6.4%	4.1%	5.9%	45.3%	1,798,003	3,104,464	-42.1%	456.0	117,146	16.0	6.6	5.7
* CAVM	83.83	-0.87	-1.0%	56.96 - 88.96	14.8%	-13.3%	6.1%	27.1%	34.3%	1,080,889	1,524,168	-29.1%	73.2	6,136	32.6	6.5	8.2
CEVA	46.15	0.15	0.3%	32.00 - 51.80	5.8%	28.0%	-5.8%	7.8%	37.6%	142,457	176,781	-19.4%	23.0	1,060	37.2	12.2	4.4
* CRUS	51.86	-0.42	-0.8%	48.61 - 71.97	7.3%	3.3%	-15.0%	-2.7%	-8.3%	850,902	867,303	-1.9%	66.4	3,444	10.6	2.2	2.9
* CY	15.24	-0.05	-0.3%	10.99 - 17.42	20.3%	-0.8%	10.0%	1.5%	33.2%	3,230,927	5,857,117	-44.8%	364.6	5,557	20.1	2.5	3.0
DIOD	28.67	-0.38	-1.3%	22.06 - 35.36	-6.3%	-0.1%	24.6%	-4.2%	11.7%	232,809	352,556	-34.0%	50.4	1,446	26.1	1.4	1.7
DSPG	12.50	-0.15	-1.2%	9.80 - 14.20	-8.0%	-3.3%	12.1%	-3.8%	-4.2%	60,479	63,872	-5.3%	23.2	291	52.1	2.3	2.0
GSIT	7.96	-0.06	-0.7%	5.58 - 9.68	40.3%	-9.7%	-7.5%	9.5%	28.4%	75,919	53,974	40.7%	21.0	167	neg	4.0	2.0
HIMX	10.42	0.06	0.6%	4.88 - 13.95	51.0%	-10.1%	33.3%	-4.7%	72.5%	4,089,292	6,434,553	-36.4%	172.4	1,796	118.4	2.5	4.2
* IDCC	76.15	-0.25	-0.3%	67.55 - 102.30	-5.5%	-10.4%	-4.6%	3.3%	-16.6%	210,584	276,803	-23.9%	35.4	2,695	10.5	4.5	3.3
* IDTI	29.73	-0.42	-1.4%	22.70 - 33.91	0.5%	9.0%	3.1%	11.9%	26.2%	662,863	1,399,449	-52.6%	138.8	4,127	21.5	5.5	5.2
INFN	6.33	-0.45	-6.6%	6.27 - 12.50	20.5%	4.3%	-16.9%	-28.6%	-25.4%	3,644,812	1,623,510	124.5%	148.8	942	neg	1.3	1.3
* INTC	46.16	-0.06	-0.1%	33.23 - 47.64	-0.6%	-6.5%	12.9%	21.2%	27.3%	17,394,491	28,143,010	-38.2%	4,821.0	222,537	14.5	3.6	3.1
IOTS	6.45	0.30	4.9%	1.85 - 9.20	124.3%	9.6%	72.5%	-17.8%	248.6%	112,854	157,032	-28.1%	22.0	142	neg	2.7	4.4
IPHI	36.60	-0.59	-1.6%	33.00 - 51.78	9.4%	-29.7%	15.7%	-7.8%	-18.0%	410,873	695,276	-40.9%	44.0	1,611	22.6	4.7	4.0
IXYS	23.95	0.05	0.2%	11.10 - 24.96	22.3%	13.1%	44.1%	1.1%	101.3%	141,927	244,202	-41.9%	34.1	817	27.2	2.4	2.5
LSCC	5.78	-0.08	-1.4%	5.05 - 7.55	-6.0%	-3.8%	-21.8%	10.9%	-21.5%	466,391	1,115,694	-58.2%	124.2	718	28.9	1.8	3.3
* MCHP	87.88	-0.73	-0.8%	62.21 - 95.92	15.0%	4.6%	16.3%	-2.1%	37.0%	904,040	1,859,645	-51.4%	244.8	21,513	17.8	5.7	6.1
MLNX	64.70	0.20	0.3%	40.70 - 65.90	24.6%	-15.0%	8.9%	37.2%	58.2%	282,869	657,189	-57.0%	51.6	3,340	28.6	3.9	3.2
MOSY	1.11	0.01	0.9%	0.22 - 4.32	-9.2%	-18.2%	-44.0%	16.0%	-51.8%	195,796	1,136,094	-82.8%	7.9	9	neg	1.4	1.1
* MPWR	112.36	-0.95	-0.8%	81.84 - 126.80	12.4%	4.7%	10.5%	5.5%	37.1%	197,122	255,045	-22.7%	43.5	4,887	40.9	11.0	9.7
MRAM	7.50	-0.18	-2.3%	6.69 - 25.39	3.7%	132.3%	-14.5%	-56.1%	-9.5%	260,561	195,152	33.5%	12.6	94	neg	2.9	6.7
* MRVL	21.47	-0.42	-1.9%	13.83 - 24.22	10.0%	8.5%	8.2%	19.9%	54.8%	4,256,379	8,417,634	-49.4%	512.7	11,008	19.5	4.7	2.7
* MSCC	51.65	-0.54	-1.0%	46.09 - 57.97	-4.5%	-9.2%	10.0%	0.3%	-4.3%	358,168	700,224	-48.8%	117.7	6,079	13.4	3.4	3.0
MTSI	32.54	-0.22	-0.7%	29.73 - 65.99	4.4%	15.5%	-20.0%	-27.1%	-29.7%	449,389	980,508	-54.2%	65.9	2,144	14.0	3.1	2.8
* MU	41.12	-0.69	-1.7%	21.49 - 49.89	31.8%	3.4%	31.6%	4.6%	87.6%	44,642,115	38,482,174	16.0%	1,225.0	50,372	5.9	2.2	2.2
* MX	9.95	-0.05	-0.5%	6.05 - 13.40	54.0%	2.6%	15.8%	-12.3%	60.5%	229,100	403,729	-43.3%	45.5	453	18.4	0.7	neg
* MXIM	52.28	-0.55	-1.0%	38.18 - 55.43	16.6%	-0.1%	6.3%	9.6%	35.5%	1,224,367	1,692,265	-27.6%	286.4	14,973	23.2	6.5	6.8
MXL	26.42	-0.40	-1.5%	20.38 - 32.47	28.7%	-0.6%	-14.8%	11.2%	21.2%	425,727	464,316	-8.3%	69.7	1,841	18.2	4.7	4.6
NLST	0.31	0.01	3.5%	0.25 - 1.40	-2.9%	3.0%	-27.9%	-58.2%	-69.9%	2,145,444	1,507,536	42.3%	65.6	20	neg	0.6	neg
NPTN	6.58	-0.10	-1.5%	4.56 - 12.44	-16.7%	-14.3%	-28.0%	-18.3%	-39.1%	492,534	1,369,287	-64.0%	43.8	288	neg	0.9	1.4
* NVDA	193.50	-3.90	-2.0%	95.17 - 218.67	2.1%	32.7%	23.7%	8.2%	81.3%	6,999,116	13,239,807	-47.1%	628.0	121,518	44.8	13.5	19.1
NXPI	117.09	0.11	0.1%	96.00 - 118.20	5.6%	5.7%	3.3%	3.5%	19.5%	1,578,114	2,989,291	-47.2%	346.2	40,537	19.4	4.4	3.2
OIIM	1.67	0.04	2.4%	1.45 - 2.80	30.6%	-16.6%	-9.7%	-5.7%	-7.3%	24,599	34,168	-28.0%	25.7	43	0.0	0.7	0.6
* ON	20.94	-0.19	-0.9%	12.37 - 22.15	21.4%	-9.4%	31.6%	13.4%	64.1%	3,996,265	5,884,934	-32.1%	427.5	8,952	23.0	1.7	4.0
PI	22.53	0.54	2.5%	19.97 - 60.85	-14.3%	60.7%	-14.5%	-45.9%	-36.2%	628,774	644,502	-2.4%	20.8	469	225.3	3.6	3.7
POWI	73.55	-0.55	-0.7%	61.44 - 86.60	-3.1%	10.9%	0.4%	0.5%	8.4%	102,970	145,502	-29.2%	30.6	2,251	26.3	5.3	4.0
PXLW	6.33	-0.14	-2.2%	2.80 - 6.73	66.4%	-1.5%	2.6%	34.4%	126.1%	189,852	376,196	-49.5%	34.7	219	21.8	2.8	5.4
* QCOM	64.02	-0.36	-0.6%	48.92 - 69.28	-12.1%	-3.7%	-6.1%	23.5%	-1.8%	6,631,823	12,388,691	-46.5%	1,488.0	95,262	15.0	4.1	3.1
* QRVO	66.60	-0.76	-1.1%	52.12 - 81.20	30.0%	-7.6%	11.6%	-5.8%	26.3%	714,767	1,333,427	-46.4%	130.8	8,711	14.5	3.0	1.8
QTNL	12.20	0.02	0.2%	9.60 - 25.45	14.9%	-8.8%	-11.5%	-27.4%	-32.7%	436,363	440,127	-0.9%	38.5	470	45.2	2.7	3.3
QUIK	1.74	-0.04	-2.2%	1.09 - 2.48	28.1%	-18.0%	15.1%	3.6%	25.2%	143,921	152,108	-5.4%	80.1	139	neg	11.5	7.8
RMBS	14.22	-0.05	-0.4%	11.30 - 15.50	-4.6%	-13.0%	16.8%	6.5%	3.3%	707,187	968,652	-27.0%	113.1	1,608	21.5	4.1	2.7
SIGM	6.95	0.00	0.0%	5.40 - 7.00	4.2%	-6.4%	7.7%	10.3%	15.8%	333,035	566,425	-41.2%	38.6	268	neg	1.7	2.5
* SIMO	52.96	-0.13	-0.2%	37.37 - 55.68	10.1%	3.2%	-0.4%	10.3%	24.7%	106,379	473,986	-77.6%	36.0	1,904	18.1	3.6	3.7
SLAB	88.30	-0.65	-0.7%	63.15 - 96.92	13.2%	-7.1%	16.9%	10.5%	35.8%	227,007	231,097	-1.8%	43.4	3,830	28.8	5.1	4.1
SMI	8.56	0.09	1.1%	4.49 - 9.14	-17.6%	-9.2%	-2.5%	54.0%	12.3%	340,982	490,161	-30.4%	938.0	8,029	34.2	2.6	1.7
SMTC	34.20	-0.25	-0.7%	31.00 - 41.95	7.1%	5.8%	5.0%	-8.9%	8.4%	331,503	520,633	-36.3%	67.8	2,319	18.7	3.9	3.5
SQNS	1.91	0.02	1.1%	1.68 - 4.75	47.1%	20.4%	-5.1%	-39.2%	2.1%	329,342	561,461	-41.3%	79.8</				