

NTI-100 2014, World Top PCB Makers with Revenue >\$100 million

Rank	Taiwan	Nationality	2013	2014	Growth	Brief Comments
1	Nippon Mektron*	Japan	2,209	3,176	43.78%	A big Apple supplier
2	ZDT*	Taiwan	2,106	2,483	17.90%	A big Apple supplier
3	Unimicron	Taiwan	2,009	2,130	6.02%	Building PCB plants in Huangxi
4	SEMCO	S. Korea	1,795	1,562	-12.98%	Building plants in Vietnam
5	Young Poong Grp*	S. Korea	2,100	1,523	-27.48%	Interflex & YPE poor in 2014
6	Ibiden	Japan	1,315	1,493	13.54%	Boosting growth from Malaysia
7	TTM Technologies	USA	1,326	1,422	7.24%	Purchased Viasystems on 5/15
8	Sumitomo Denko*	Japan	1,121	1,414	26.14%	A big Apple supplier
9	Tripod	Taiwan	1,337	1,391	4.08%	Pushing into automotive PCB
10	Viasystems	USA	1,171	1,204	2.82%	Purchased by TTM 5/31/2015
11	Daeduck Group	S. Korea	1,297	1,159	-10.64%	Careful investment
12	Nanya PCB	Taiwan	1,016	1,146	8.09%	IC substrates seem to grow
13	Compeq	Taiwan	1,013	1,110	9.55%	Chongqing plant contributing
14	PSA PCB Group	Taiwan	957	970	1.36%	NB motherboards reduced
15	KB PCB Group	China	922	963	4.45%	Elec& Eltek is the largest
16	AT&S	Austria	784	886	13.01%	CKG plant starts business soon
17	Meiko	Japan	692	850	22.83%	#3 automtoive PCB maker
18	Kinsus	Taiwan	757	818	7.97%	Flip-Chip CSP strong
19	LG Innotek	S. Korea	581	791	36.14%	LGE & Qualcomm
20	T.P.T.	Taiwan	684	784	14.60%	NB motherboards increasing
21	Multek	USA	750	780	2.74%	Profitable since Oct 2013
22	WUS Group	Taiwan	658	698	6.08%	Kunshan & Huangxi new plants
23	Chin Poon	Taiwan	634	697	9.93%	#1 automotive PCB maker
24	CMK	Japan	621	689	10.95%	#2 automotive PCB maker
25	Nitto Denko*	Japan	485	684	41.03%	FPC for HDD among others
26	Shinko Denki Ind*	Japan	664	675	1.66%	IC substrates
27	Fujikura*	Japan	358	662	80.00%	A big Apple supplier
28	Gold Circuit	Taiwan	593	661	13.35%	Network & Servers
29	Mflex*	USA	788	633	-19.67%	A big Apple supplier
30	Simmtech	S. Korea	513	621	21.05%	Recovered from fire
31	Kyocera CS	Japan	523	570	8.99%	\$1.9 billion if ceramic included
32	Career*	Taiwan	443	528	19.33%	A big Apple supplier
33	Isu-Petasys	S. Korea	520	522	0.38%	S.Korea, China & US plants
34	Shennan	China	425	480	12.94%	Wuxi plant inaugurated
35	Ellington	China	450	460	2.22%	Trying hard for automotive
36	Unitech	Taiwan	435	455	4.60%	HDI & automotive
37	Flexium*	Taiwan	448	429	-3.92%	A big Apple supplier
38	Founder	China	380	423	11.32%	2nd largest China-based maker
39	SI Flex*	S. Korea	726	419	-42.29%	Poor Samsung business
40	Kinwong	China	301	374	24.25%	Jinagxi plant contributing
41	ASE	Tawian	327	360	10.09%	Expanding capacity
42	Sanmina	USA	360	360	0.00%	US (3), Sinagpore & Wuxi
43	Dynamic	Tawian	331	350	6.01%	Into automotive PCB
44	Kyoden	Japan	280	340	21.43%	Thai plant expanding
45	KCE	Thailand	300	340	13.33%	Huge new plant in Latkrabang
46	Wuzhou	China	298	330	10.74%	Emphasis on HDI & FPC
47	Ichia Technology*	Tawian	203	324	59.60%	Over 90% comes from FPC

48	CCTC	China	302	324	7.28%	HDI is high
49	MGC Group	Japan	247	316	27.93%	JCI & Tai Hong Industry
50	Hitachi Chemical	Japan	288	308	6.94%	Singapore is important
51	3CEMS	Tawian	277	298	7.58%	First Int'l Computer's PCB arm
52	APCB	Tawian	265	294	10.75%	Second plant in China planned
53	Aoshikan	China	220	280	27.27%	Export portion is large
54	BH Flex*	S. Korea	330	279	-15.45%	A back-end plant in Vietnam
55	Gul Technology	Singapore	261	274	4.98%	Wuxi second plant
56	SZ Fast Print	China	203	272	44.56%	Acquired eXpress & Multitest
57	Boardtek	Tawian	253	268	5.69%	Microwave specialist
58	Fujitsu	Japan	245	266	8.57%	Japan & Vietnam
59	Shirai	Japan	215	266	23.72%	Automotive PCB & AVI
60	Palwonn	Tawian	252	265	5.16%	Former APCB Shenzhen
61	Flexcom*	S. Korea	497	262	-47.28%	90% is produced in Vietnam
62	SZ Sun Tak	China	203	259	27.59%	Second plant in Jiangmen
63	Guangdong Xinda	China	230	246	5.96%	?
64	Apex	Taiwan	208	242	16.03%	Expanded Phase I in Thailand
65	Redboard	China	203	240	18.23%	Jiangxi plant expanded
66	Shenzhen Bomim	China	159	230	44.65%	Dafeng plant operational
67	DAP	S. Korea	296	206	-30.40%	Big fire in 2014 February
68	Olympic	China	188	200	6.38%	Planning expansion
69	Würth Elektronik	Germany	177	196	10.73%	Big fire, new plant under const.
70	GD Chuohua	China	151	195	29.13%	Laminate business besides PCB
71	DG Shengyi	China	197	192	-2.54%	Under Shenyi Laminate
72	Sun & Lynn	China	140	190	35.71%	New plant contributing
73	Tigerbuilder	China	200	180	-10.00%	Reducing dependence on cellp
74	3M*	USA	180	180	0.00%	Wild guess
75	Elna	Japan	161	179	11.18%	Taiyo Yuden owns 26%
76	Kunshan Huaxin	China	205	178	-13.17%	?
77	Victory Giant Tech	China	159	178	11.95%	Growing
78	Daisho Denshi	Japan	153	165	7.84%	Steady
79	Kyosha	Japan	141	165	17.02%	Claims the largest SSB maker
80	Liangdar	Taiwan	128	163	27.34%	Dongguang plant contributes
81	MFS*	Singapore	133	160	20.30%	Under a new owner
82	STEMCO*	S. Korea	150	157	4.67%	COF
83	Seil Electronics*	S. Korea	200	152	-24.00%	FPC, RFC for automotive
84	Onpress	China	145	150	3.45%	Into automotive PCB
85	Schweizer	Germany	134	146	8.95%	Tie with Meiko, Wus, Infineon
86	Eastern	Japan	126	140	11.11%	30+% owned by NTK
87	Cosmotech	S. Korea	147	135	-8.16%	30% owned by SEMCO
88	Huading Group	China	130	135	3.85%	?
89	Million Group Hdg	China	100	135	35.00%	Consisting of 4 PCB units
90	3win Group	China	123	135	9.75%	Consisting of 8 units (4 PCB)
91	Kunshan Wanzhen	China	127	130	2.36%	?
92	Jiangsu Suhan	China	144	123	-14.48%	?
93	Somacis	Italy	110	123	11.82%	Italy, China (largest) & US
94	Yamamoto	Japan	94	121	27.72%	Japan and China (Dongguang)
95	Xiamen Hongxin*	China	109	121	11.01%	The largest China-based FPC
96	Changzhou O Hong	China	98	109	11.22%	?
97	Ji'An Mankun	China	98	106	8.16%	?

98	Plotech	Taiwan	102	102	-0.01%	Now growth
99	KSG	Germany	93	101	8.16%	Congratulations!
	Top 99 Total		47,703	51,376	7.68%	Big gets bigger & faster

* Primary products are FPC & FPCA

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