

NTI-100 2015 World Top PCB Makers (Revenue in Million US Dollar)

Rank	Maker	Nationality	2014	2015	Growth	Brief Comments
1	Nippon Mektron*	Japan	2,957	3,414	15.45%	Major customer: Apple
2	ZD Tech*	Taiwan	2,390	2,698	12.89%	Major customer: Apple
3	TTM Technologies	USA	1,326	2,450	84.77%	Major customer: Apple
4	Unimicron	Taiwan	2,130	2,210	3.76%	Uniflex, Subtron, Ruwel, Clover
5	Sumitomo Denko*	Japan	1,260	1,503	19.29%	Major customer: Apple
6	Compeq	Taiwan	1,065	1,397	31.17%	Major customer: Apple
7	Tripod	Taiwan	1,335	1,365	2.25%	Aiming high at automotive
8	Samsung E-M	S. Korea	1,445	1,364	-5.60%	Shifting to Vietnam
9	Young Poong Group*	S. Korea	1,413	1,295	-8.35%	Coming back in 2016
10	HannStar	Taiwan	1,531	1,272	-16.92%	Including GBM/PCBA
11	Ibiden	Japan	1,332	1,232	-7.50%	Restructuring product lines
12	Nanya PCB	Taiwan	1,100	941	-14.45%	Substrate, automotive
13	KBC PCB Group	China	972	930	-4.32%	Elec & Eltek, Techwise, etc.
14	Daeduck Group	S. Korea	1,063	874	-16.84%	Still profitable
15	AT&S	Austria	740	846	14.32%	China, China, China!
16	Fujikura*	Japan	590	810	37.29%	Major customer: Apple
17	Meiko	Japan	756	794	5.03%	Major Field: Automotive
18	Multek	USA	780	730	-6.41%	Inlcuding Minnesota Northfield
19	Kinsus	Taiwan	785	726	-7.52%	Substrate (TW+Suzhou)+Piotek
20	Chin Poon	Taiwan	670	716	6.87%	Major Field: Automotive
21	T.P.T.	Taiwan	751	706	-6.00%	NB Motherboard
22	Shinko Denski	Japan	681	680	-0.15%	Substrate
23	Wus Group	Taiwan	669	671	0.30%	Network/Server, Automotive
24	Simmtech	S. Korea	576	662	14.93%	Buying Eastern?
25	Mflex*	USA	632	637	0.79%	Major customer: Apple
26	CMK	Japan	614	610	-0.65%	Major Field: Automotive
27	LG Innotek	S. Korea	600	609	1.50%	Qualcomm, HDI, etc
28	Gold Circuit	Taiwan	632	602	-4.75%	Network/Server, NB, Cellphone
29	Shennan Circuit	China	530	580	9.43%	High Layer Count, Substrate, etc
30	Flexium*	Taiwan	411	570	38.69%	Major customer: Apple
31	Isu-Petasys	S. Korea	484	508	4.96%	Network/Server, etc.
32	Career*	Taiwan	507	495	-2.37%	Major customer: Apple
33	Ellington	China	460	466	1.30%	Emphasis on automotive
34	Kinwong	China	380	451	18.68%	MLB, Metal PCB, FPC
35	Kyocera PCB	Japan	462	450	-2.60%	Substrate, HDI, High Layer Count
36	Unitech	Taiwan	437	434	-0.69%	HDI, Automotive
37	Nitto Denko*	Japan	610	429	-29.67%	HDD, etc
38	Founder Tech	China	414	384	-7.25%	HDI, High Layer Count
39	KCE Electronics	Thailand	340	366	7.65%	Major Field: Automotive
40	Dynamic	Taiwan	350	350	0.00%	Emphasis on automotive
41	Aoshikan	China	335	350	4.48%	MLB
42	Wuzhou	China	323	342	5.88%	HDI, FPC,
43	Kyoden	Japan	303	338	11.55%	Emphasis on automotive

44	SZ Fast Print	China	265	337	27.17%	Including Harbor & Exception
45	Sanmina	USA	320	330	3.13%	Including Singapore + China
46	3CEMS	Taiwan	298	316	6.04%	Variety
47	Hitachi Chemical	Japan	320	308	-3.16%	Sold Taiwan plant to T.P.T
48	CCTC	China	310	303	-2.26%	HDI
49	Guangdong Xinda	China	252	293	16.27%	???
50	BH Flex*	S. Korea	394	292	-25.89%	Recovering
51	SI Flex*	S. Korea	452	283	-37.39%	In default?
52	Shenzhen Suntak	China	253	280	10.67%	Expanding in Jiangmen
53	Redboard	China	201	273	70.00%	Don't know what drove growth
54	APEX	Taiwan	242	272	12.40%	Plant in Thailand
55	Fujitsu	Japan	270	266	-1.48%	Japan & Vietnam, High Layer
56	ASE	Taiwan	312	265	-15.06%	Substrate
57	Palwonn	Taiwan	265	265	0.00%	NB Motherboard
58	APCB	Taiwan	282	246	-12.77%	Taiwan+China+Thailand
59	Boardtek	Taiwan	250	244	-0.96%	Microwave
60	Gul Technologies	Singapore	274	243	-11.31%	Suzhou & Wuxi (expanding)
61	Ichia*	Taiwan	462	237	-48.70%	What happened?
62	Shirai Denshi	Japan	237	235	-0.61%	Emphasis on automotive
63	DG Shengyi Elec	China	196	227	15.82%	High Layer Count (<Shengyi Lam)
64	Olympic	China	193	220	13.99%	Emphasis on automotive
65	Sun & Lynn	China	187	216	15.51%	Variety
66	Mitsubisshi GC	Japan	282	215	-23.76%	JCI shut down in March 2016
67	Victory Giant	China	178	215	20.79%	Expanding in Huizhou
68	Kunshan Huaxing	China	174	204	17.24%	???
69	DAP	S. Korea	191	194	1.57%	Supplies HDI to Samsung Elect.
70	STEMCO* (COF)	S. Korea	146	194	32.88%	Toray owns 70% (Japanese?)
71	Bomin	China	168	180	7.14%	New Plant in Da Fong
72	3M	USA	180	180	0.00%	????????????????????
73	Tigerbuilder	China	180	170	-5.55%	Deemphasizing cellphone board
74	Liang Dar	Taiwan	163	167	2.45%	Tawian + China
75	MFS	Singapore	167	160	-4.19%	Under new owner for 2 years
76	Daisho Denshi	Japan	150	150	0.00%	Networking with Chinese
77	Seil Electronics	S. Korea	141	150	6.38%	Major Field: Automotive
78	Xiamen Hongxin*	China	118	149	26.27%	FPC for cellphones
79	Elna	Japan	158	147	-6.96%	Emphasis on automotive
80	Kyosha	Japan	134	147	9.70%	Japan+China+Indonesia
81	3Win Group	China	135	140	2.96%	Four entities
82	Huading Group	China	135	139	2.96%	???
83	Würth Elektronik	Germany	164	138	-15.85%	Niedernhall plant restored
84	Cosmotech	S. Korea	125	132	5.60%	SEMCO owns a part
85	Schweizer	Germany	122	128	4.92%	Emphasis on automotive
86	Somacis	Italy	123	128	4.05%	Italy,China, San Diego
87	Million Group	China	132	127	-3.79%	Formerly "Kingshine"
88	Guangdong Chaohua	China	123	123	0.00%	Makes ink and laminate, too
89	OKI PCB Group	Japan	96	121	26.04%	Bought Yokogawa PCB
90	Ji'An Mankun	China	103	115	11.65%	???

91	Guangzhou GCI	China	95	115	21.05%	???
92	SZ Shinwu	China	91	112	-23.08%	???
93	KS Wanzhen PCB	China	127	110	-13.38%	???
94	Amphenol PCB	USA	85	110	29.41%	Bought Invotec of U.K.
95	Changzhou Haihong	China	107	109	1.87%	???
96	King Brother	China	85	108	27.06%	High tech
97	Netron Soft Tech	China	98	107	9.18%	???
98	Yamamoto Mfg	Japan	121	106	-12.39%	High layer Count
99	New Flex*	S. Korea	133	106	-20.30%	???
100	Eastern	Japan	142	104	-26.76%	Being pursued by Simmtech
101	Jiangsu Suhan	China	120	103	-14.17%	???
102	Sunshine	China	90	103	14.44%	Jimmy, you made it!
103	HT Electronics*	China	96	101	5.20%	???
	Viasystems (TTM)		1,204	0		Bought by TTM, May 31, 2015
	Top 103 Total		49,758	50,515	1.52%	

(N.T. Information Ltd)