

Current consumption chart as per IPC 2221 A

Temperature
Rise 25
Ambient
Temperature 25

Current in A Copper thickness Track width
Internal External

0.25	0.5	5.2	2.0
0.25	1	2.6	1.0
0.25	2	1.3	0.5
0.5	0.5	13.6	5.2
0.5	1	6.8	2.6
0.5	2	3.4	1.3
1	0.5	35.3	13.6
1	1	17.6	6.8
1	2	8.8	3.4
2	0.5	91.8	35.3
2	1	45.9	17.6
2	2	22.9	8.8
3	0.5	160.6	61.7
3	1	80.3	30.9
3	2	40.1	15.4
4	0.5	238.8	91.8
4	1	119.4	45.9
4	2	59.7	22.9
5	0.5	324.8	124.9
5	1	162.4	62.4
5	2	81.2	31.2
6	0.5	417.7	160.6
6	1	208.9	80.3
6	2	104.4	40.1
7	0.5	516.7	198.6
7	1	258.3	99.3
7	2	129.2	49.7
8	0.5	621.2	238.8
8	1	310.6	119.4
8	2	155.3	59.7
9	0.5	730.7	280.9
9	1	365.4	140.4
9	2	182.7	70.2
10	0.5	845.0	324.8
10	1	422.5	162.4
10	2	211.3	81.2
11	0.5	963.8	370.5
11	1	481.9	185.2
11	2	240.9	92.6

Sheet1

12	0.5	1086.7	417.7
12	1	543.3	208.9
12	2	271.7	104.4
13	0.5	1213.5	466.5
13	1	606.8	233.2
13	2	303.4	116.6
14	0.5	1344.1	516.7
14	1	672.1	258.3
14	2	336.0	129.2
15	0.5	1478.3	568.3
15	1	739.1	284.1
15	2	369.6	142.1
16	0.5	1615.9	621.2
16	1	808.0	310.6
16	2	404.0	155.3
17	0.5	1756.9	675.3
17	1	878.4	337.7
17	2	439.2	168.8
18	0.5	1901.0	730.7
18	1	950.5	365.4
18	2	475.2	182.7
19	0.5	2048.2	787.3
19	1	1024.1	393.7
19	2	512.0	196.8
20	0.5	2198.3	845.0
20	1	1099.2	422.5
20	2	549.6	211.3
21	0.5	2351.4	903.9
21	1	1175.7	451.9
21	2	587.8	226.0
22	0.5	2507.2	963.8
22	1	1253.6	481.9
22	2	626.8	240.9
23	0.5	2665.7	1024.7
23	1	1332.9	512.4
23	2	666.4	256.2
24	0.5	2826.9	1086.7
24	1	1413.4	543.3
24	2	706.7	271.7
25	0.5	2990.6	1149.6
25	1	1495.3	574.8
25	2	747.7	287.4
26	0.5	3156.9	1213.5
26	1	1578.4	606.8
26	2	789.2	303.4
27	0.5	3325.5	1278.3
27	1	1662.8	639.2
27	2	831.4	319.6
28	0.5	3496.6	1344.1

Sheet1

28	1	1748.3	672.1
28	2	874.2	336.0
29	0.5	3670.0	1410.8
29	1	1835.0	705.4
29	2	917.5	352.7
30	0.5	3845.7	1478.3
30	1	1922.9	739.1
30	2	961.4	369.6
31	0.5	4023.6	1546.7
31	1	2011.8	773.3
31	2	1005.9	386.7
32	0.5	4203.7	1615.9
32	1	2101.9	808.0
32	2	1050.9	404.0
33	0.5	4386.0	1686.0
33	1	2193.0	843.0
33	2	1096.5	421.5
34	0.5	4570.4	1756.9
34	1	2285.2	878.4
34	2	1142.6	439.2
35	0.5	4756.8	1828.5
35	1	2378.4	914.3
35	2	1189.2	457.1
36	0.5	4945.3	1901.0
36	1	2472.6	950.5
36	2	1236.3	475.2
37	0.5	5135.8	1974.2
37	1	2567.9	987.1
37	2	1283.9	493.5
38	0.5	5328.2	2048.2
38	1	2664.1	1024.1
38	2	1332.0	512.0
39	0.5	5522.5	2122.9
39	1	2761.3	1061.4
39	2	1380.6	530.7
40	0.5	5718.8	2198.3
40	1	2859.4	1099.2
40	2	1429.7	549.6
41	0.5	5916.9	2274.5
41	1	2958.5	1137.2
41	2	1479.2	568.6
42	0.5	6116.9	2351.4
42	1	3058.5	1175.7
42	2	1529.2	587.8
43	0.5	6318.7	2428.9
43	1	3159.3	1214.5
43	2	1579.7	607.2
44	0.5	6522.3	2507.2
44	1	3261.1	1253.6

Sheet1

44	2	1630.6	626.8
45	0.5	6727.6	2586.1
45	1	3363.8	1293.1
45	2	1681.9	646.5
46	0.5	6934.7	2665.7
46	1	3467.3	1332.9
46	2	1733.7	666.4
47	0.5	7143.5	2746.0
47	1	3571.7	1373.0
47	2	1785.9	686.5
48	0.5	7353.9	2826.9
48	1	3677.0	1413.4
48	2	1838.5	706.7
49	0.5	7566.1	2908.4
49	1	3783.1	1454.2
49	2	1891.5	727.1
50	0.5	7779.9	2990.6
50	1	3890.0	1495.3
50	2	1945.0	747.7

Refer to the link <http://circuitcalculator.com/wordpress/2006/01/31/pcb-trace-width-calculator/>