



PCB-RULER-ND
www.digikey.com
Tech Support 24-7-365

Digi-Key ELECTRONICS

17.4µm Max A="C Rise" 34.8µm Max A="C Rise" 69.6µm Max A="C Rise"

MM	1"	5"	10"	20"	MM	1"	5"	10"	20"	MM	1"	5"	10"	20"
0.15	0.13	0.27	0.38	0.49	0.15	0.22	0.44	0.80	0.80	0.15	0.36	0.73	0.99	1.35
0.25	0.19	0.39	0.53	0.72	0.25	0.32	0.64	0.87	1.18	0.25	0.52	1.06	1.44	1.95
0.4	0.27	0.55	0.74	1.01	0.4	0.44	0.90	1.23	1.58	0.4	0.74	1.49	2.03	2.75
0.5	0.32	0.64	0.87	1.18	0.5	0.52	1.06	1.44	1.95	0.5	0.88	1.76	2.38	3.23
0.75	0.42	0.86	1.17	1.59	0.75	0.70	1.43	1.93	2.62	0.75	1.16	2.36	3.20	4.33
1.0	0.52	1.06	1.44	1.95	1.0	0.86	1.76	2.38	3.23	1.0	1.43	2.90	3.94	5.34
1.25	0.61	1.25	1.69	2.30	1.25	1.02	2.06	2.80	3.80	1.25	1.68	3.41	4.63	6.25
2.0	0.86	1.76	2.38	3.23	2.0	1.43	2.90	3.94	5.34	2.0	2.36	4.80	6.51	8.83
2.5	1.02	2.06	2.80	3.80	2.5	1.68	3.41	4.63	6.25	2.5	2.78	5.64	7.65	10.4
3.0	1.38	2.80	3.79	5.15	3.0	2.28	4.62	6.27	8.50	3.0	3.76	7.64	10.4	14.1
5.0	1.68	3.41	4.63	6.25	5.0	2.78	5.64	7.65	10.4	5.0	4.59	9.32	12.6	17.2

For Reference Only
For Internal: Multiply Traces x2.6
* Based on IPC-2221(A)

M2	M2.5	M3	M4	M5	M6
2.2	2.7	3.2	4.3	5.3	6.4
1.1A	#10	#8	#6	#4	#2

MACHINE SCREW HOLES-TIGHT

0.4mm, 0.5, 0.6, 0.8, 1.0, 1.2, 1.5, 1.8, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10.0, 10.5, 11.0, 11.5, 12.0, 12.5, 13.0, 13.5, 14.0, 14.5, 15.0, 15.5, 16.0, 16.5, 17.0, 17.5, 18.0, 18.5, 19.0, 19.5, 20.0

TEST POINTS: 0.75mm, 1.0mm, 1.5mm, 2.0mm

Flux On, Flux Off

2512 (6432m), 1206 (3216m), 0805 (2012m), 0603 (1608m), 0402 (1005m), 0201 (0603m)

XTAL & OSC: 3.2 x 1.6mm, 2.5 x 2.0mm, 2.0 x 2.5mm, 1.6 x 3.2mm, 1.6 x 3.2mm, 1.6 x 3.2mm

7 STRAND WIRE: AWG, e2.95mm

CONVERTERS: SMA, DO-214AC, SMB, DO-214AA, SMC, DO-214AB, SOD-23(F), SC-76, SOD-323, SC-79, SOD-523

ewiki.net



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17.5mm 18mm

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

A: 8-SOP (0.154" 3.9mm Wide)
B: SOT-23, SC-74A, SOT-753
C: 8-TSSOP, 8-MSOP (3.0mm Wide)
D: 14-TSSOP (0.177" 4.4mm Wide)
E: 5-TSSOP, SC-72-S, SOT-353
F: DIP (2 Leads+Tab), TO-252-3, SC-63
G: TO-261-A, TO-261AA, SOT-223-3
H: DPAK(S Leads+Tab), TO-263-6, TO-263BA

XTAL & OSC
1.2 x 2.5 x 1.5mm
1.6 x 2.5 x 1.5mm
2.0 x 2.5 x 1.5mm
2.5 x 2.5 x 1.5mm
3.0 x 2.5 x 1.5mm
4.0 x 2.5 x 1.5mm
5.0 x 2.5 x 1.5mm
6.0 x 2.5 x 1.5mm
7.0 x 2.5 x 1.5mm
8.0 x 2.5 x 1.5mm
9.0 x 2.5 x 1.5mm
10.0 x 2.5 x 1.5mm
11.0 x 2.5 x 1.5mm
12.0 x 2.5 x 1.5mm
13.0 x 2.5 x 1.5mm
14.0 x 2.5 x 1.5mm
15.0 x 2.5 x 1.5mm
16.0 x 2.5 x 1.5mm
17.0 x 2.5 x 1.5mm
18.0 x 2.5 x 1.5mm
19.0 x 2.5 x 1.5mm
20.0 x 2.5 x 1.5mm
21.0 x 2.5 x 1.5mm
22.0 x 2.5 x 1.5mm
23.0 x 2.5 x 1.5mm
24.0 x 2.5 x 1.5mm
25.0 x 2.5 x 1.5mm
26.0 x 2.5 x 1.5mm
27.0 x 2.5 x 1.5mm
28.0 x 2.5 x 1.5mm
29.0 x 2.5 x 1.5mm
30.0 x 2.5 x 1.5mm

7 STRAND WIRE
AWG a2.85mm
10 2.44
12 1.93
14 1.53
16 1.27
18 0.97
20 0.76
22 0.61
24 0.48
26 0.38
28 0.30
30 0.25

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TEST POINTS
0.5mm 1.0mm 1.5mm 2.0mm
2.5mm 3.0mm 3.5mm 4.0mm

174um Max A="C Rise"
1MM 1" 5" 10" 20"
0.15 0.13 0.27 0.35 0.45 0.15 0.22 0.44 0.60 0.50 0.15 0.25 0.73 0.99 1.35
0.28 0.19 0.39 0.53 0.72 0.25 0.32 0.64 0.87 1.18 0.25 0.52 1.58 1.44 1.95
0.4 0.27 0.55 0.74 1.01 0.4 0.44 0.90 1.23 1.65 0.4 0.74 1.49 2.03 2.75
0.5 0.32 0.64 0.87 1.18 0.5 0.52 1.08 1.44 1.95 0.5 0.88 1.76 2.38 3.23
0.75 0.42 0.86 1.17 1.60 0.75 0.70 1.43 1.93 2.62 0.75 1.16 2.36 3.29 4.33
1.0 0.62 1.06 1.44 1.95 1.0 0.88 1.76 2.38 3.23 1.0 1.43 2.90 3.94 5.34
1.25 0.61 1.25 1.69 2.30 1.25 1.02 2.05 2.80 3.80 1.25 1.69 3.41 4.63 6.28
2.0 0.88 1.76 2.38 3.23 2.0 1.43 2.90 3.94 5.34 2.0 2.38 4.80 6.51 8.83
2.5 1.02 2.05 2.80 3.80 2.5 1.69 3.41 4.63 6.28 2.5 2.78 5.64 7.65 10.4
3.0 1.38 2.80 3.79 5.15 3.0 2.28 4.62 6.27 8.50 3.0 3.78 7.64 10.4 14.1
5.0 1.68 3.41 4.63 6.28 5.0 2.78 5.64 7.65 10.4 5.0 4.59 9.32 12.6 17.2

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M2 M2.5 M3 M4 M5 M6
3.2 3.7 3.2 4.3 5.3 6.4mm
MACHINE SCREW HOLES-TIGHT
#6 #8 #10 #12
#5.5 #6 #8 #10 #12



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17.4µm Max A="C Rise"	34.8µm Max A="C Rise"	68.8µm Max A="C Rise"
1.0 0.13 0.27 0.38 0.48 0.55 0.62 0.68 0.73 0.78 0.82 0.85 0.88 0.91 0.93 0.95 0.97 0.99 1.00	1.0 0.13 0.27 0.38 0.48 0.55 0.62 0.68 0.73 0.78 0.82 0.85 0.88 0.91 0.93 0.95 0.97 0.99 1.00	1.0 0.13 0.27 0.38 0.48 0.55 0.62 0.68 0.73 0.78 0.82 0.85 0.88 0.91 0.93 0.95 0.97 0.99 1.00

For Reference Only
For Internal: Multiply Traces x2.6
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M2	M2.5	M3	M4	M5	M6
2.5	2.7	3.5	4.3	5.3	6.3

MACHINE SCREW HOLES-TIGHT

#10	#8	#6	#4	#2
4.8	3.2	2.5	1.6	0.8