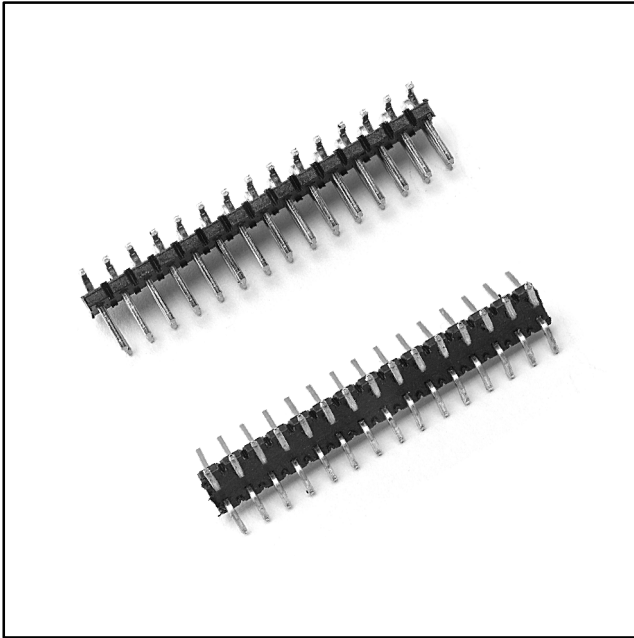


3M™ Pak 20 Pin Strip Header

2 mm × 2 mm Surface Mount

1512 Series



- High temperature dielectric
- IR solder compatible
- Maximizes PC board stacking heights
- Cuttable strips

Date Modified: May 30, 2003

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Sheet 1 of 2

Physical

Insulation
Material: Liquid Crystal Polymer (LCP)
Flammability: UL 94V-0
Color: Natural

Contact
Material: Copper Alloy

Plating
Underplate: 100 μ" [2.54 μm] Nickel — QQ-N-290, Class 2
Wiping Area: 30 μ" [0.76 μm] Gold — MIL-G-45204, Type II, Grade C
Solder Tails: 200 μ" [5.08 μm] Tin Lead

Marking: Orientation Triangle and 3M Logo

Electrical

Current Rating: 1.5 A
Insulation Resistance: $> 5 \times 10^9 \Omega$ at 250 Vdc
Withstanding Voltage: 500 Vrms at Sea Level

Environmental

Temperature Rating: -55°C to +105°C

UL File No.: E68080

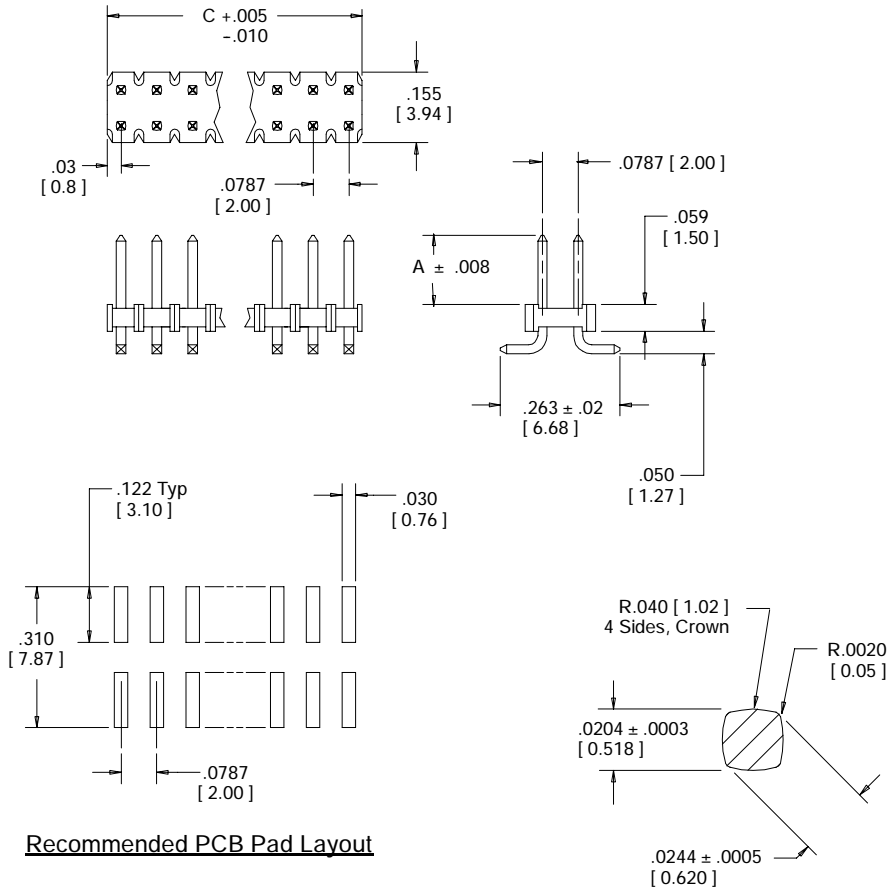
3M
Interconnect Solutions
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800-225-5373

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Recommended PCB Pad Layout

Pin Cross Section

Table	
Contact Quantity	Dimension C
04	.139 [3.5]
06	.217 [5.5]
08	.295 [7.5]
10	.374 [9.5]
12	.453 [11.5]
14	.531 [13.5]
16	.611 [15.5]
18	.689 [17.5]
20	.768 [19.5]
22	.847 [21.5]
24	.925 [23.5]
26	1.005 [25.5]
28	1.083 [27.5]
30	1.162 [29.5]
32	1.240 [31.5]
34	1.320 [33.5]
36	1.398 [35.5]
38	1.477 [37.5]
40	1.556 [39.5]
42	1.634 [41.5]
44	1.714 [43.5]
46	1.792 [45.5]
48	1.870 [47.5]
50	1.950 [49.5]
52	2.028 [51.5]
54	2.107 [53.5]
56	2.185 [55.5]
58	2.264 [57.5]
60	2.344 [59.5]

Inch
[mm]

Tolerance Unless Noted			
	.0	.00	.000
Inch	± .1	± .01	± .005

[] Dimensions for Reference only

Ordering Information

Packaging:
W = Tape & Reel
(See TS-0607)
Blank = Standard

X1512XX-2X20TX

Plating:
B = 30 μ" Gold
H = 15 μ" Gold

Contact Quantity:
See Table

Dimension A Pin Length:
3 = .130
4 = .152

Note: Tape and Reel not available on all sizes, please call.

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Sheet 2 of 2

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