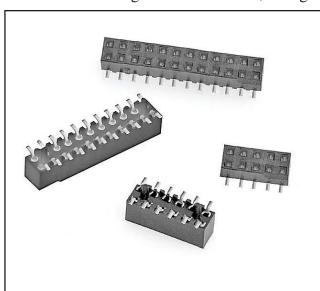
2 mm x 2 mm Straight Surface Mount, Straight and Right Angle Plated Through-Hole 1502 Series



- High Temperature Insulator
- Reflow Solder Compatible
- Low height helps minimize PCB stack height
- End Stackable
- Thru-hole versions are side stackable
- SMT parts are available in tape and reel pack with vacuum cap for automated placement applications
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3mconnector.com for compliance information (RIA E1 & C1 apply)

Date Modified: July 5, 2010

TS-0519-G Sheet 1 of 4

Physical

Insulator:

Surface Mount: Glass Filled LCP Vertical Thru-Hole: Glass filled PCT Right Angle Thru-Hole: Glass filled PCT

Contact:

Material: Copper alloy

Plating:

Underplating: 1.27-3.8 1 μm [50-150 μ"] Nickel overall

Wiping Area: 0.76 μm [30 μ"] Gold

Solder Tails: $5.1 \,\mu m$ [$200 \,\mu$ "] Matte tin or tin-lead (refer to ordering information)

Marking: Orientation delta and 3M Logo (except surface mount)

Electrical

Current Rating: 1A

Insulation Resistance: $> 1 \times 10^9 \Omega$ at $250 V_{DC}$ **Withstanding Voltage:** $500 V_{DC}$ at Sea Level

Environmental

Temperature Rating: -55°C to +105°C

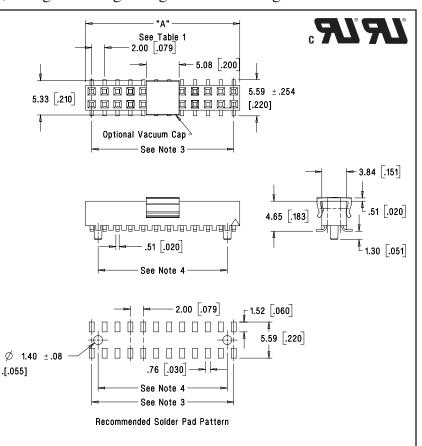
Process Rating: Maximum 260°C, (per J-STD-020C)

Moisture Sensitivity Level: 1 (per J-STD-020C)

UL File No.: E68080

2 mm x 2 mm Straight Surface Mount, Straight and Right Angle Plated Through-Hole 1502 Series

Table 1						
Contact Quantity	Dimension A	Tape Width	Order Code			
04	3.96 [0.156]	n/a	n/a			
06	5.87 [0.231]	n/a	n/a			
08	7.87 [0.310] 24 mm		WB			
10	9.88 [0.389]	24 mm	WB			
12	11.86 [0.467]	24 mm	WB			
14	13.87 [0.546]	24 mm	WB			
16	15.88 [0.625]	24 mm	WB			
18	17.88 [0.704]	44 mm	WD			
20	19.86 [0.782]	44 mm	WD			
22	21.87 [0.861]	44 mm	WD			
24	23.88 [0.940]	44 mm	WD			
26	25.88 [1.019]	44 mm	WD			
28	27.86 [1.097]	44 mm	WD			
30	29.87 [1.176]	44 mm	WD			
32	31.88 [1.255]	56 mm	WE			
34	33.88 [1.334]	56 mm	WE			
36	35.86 [1.412]	56 mm	WE			
38	37.87 [1.491]	56 mm	WE			
40	39.88 [1.570]	56 mm	WE			
42	41.88 [1.649]	56 mm	WE			
44	43.87 [1.727]	72 mm	WF			
46	45.87 [1.806]	72 mm	WF			
48	47.88 [1.885]	72 mm	WF			
50	49.89 [1.964]	72 mm	WF			
52	51.87 [2.042]	72 mm	WF			
54	53.87 [2.121]	72 mm	WF			
56	55.88 [2.200]	72 mm	WF			
58	57.86 [2.278]	88 mm	WG			
60	59.87 [2.357]	88 mm	WG			



Notes:

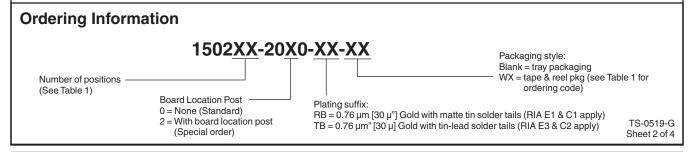
- Tape & reel include vacuum pick-up cap for pick 'n place handling equipment.
- 2. Parts in tray packaging are supplied without vacuum cap.
- 3. Positions per row, subtract 1, multiply by 2 mm spacing.
- 4. Optional locator posts: Positions per row, multiply by 2 mm, then subtract 4 mm.

Note: Mate point same for all board mount types.

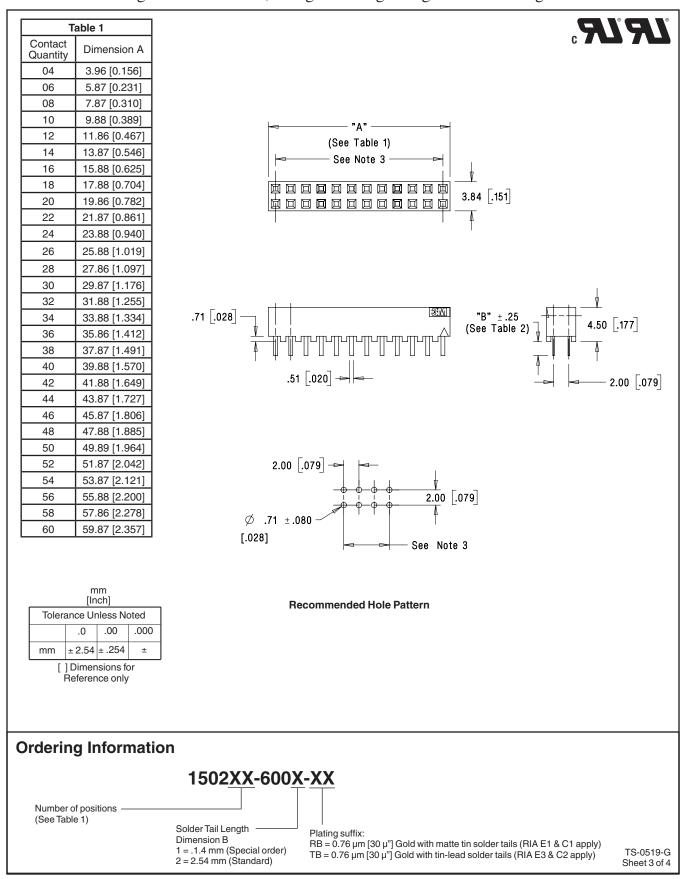
1.09 [.043] -(Mate Point)

3.78 [.149]

**Optional Locator Posts available for positions eight and greater.



2 mm x 2 mm Straight Surface Mount, Straight and Right Angle Plated Through-Hole 1502 Series



2 mm x 2 mm Straight Surface Mount, Straight and Right Angle Plated Through-Hole 1502 Series

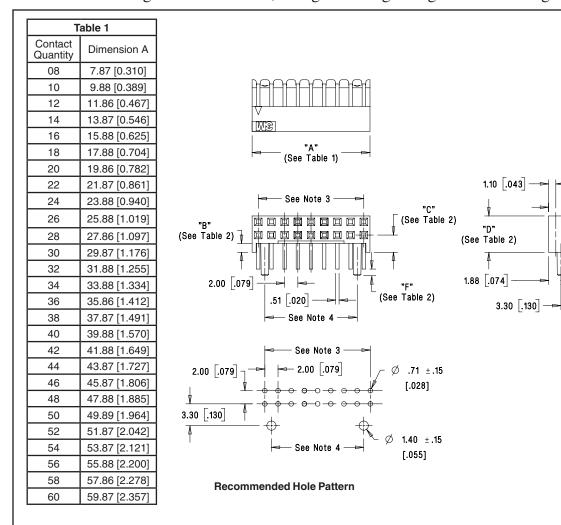
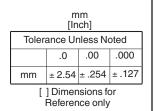
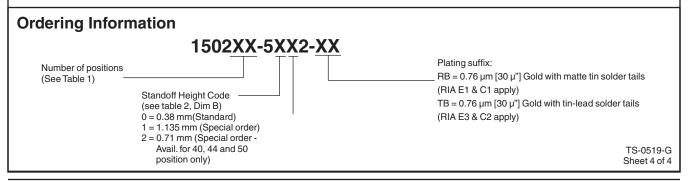


Table 2							
Standoff Height Code	Dimensions						
	В	С	D	E	F		
0	.015 [0.38]	.065 [1.65]	.179 [4.55]	.100 [2.54]	.040 [1.02]		
1	.053 [1.35]	.103 [2.62]	.217 [5.51]	.100 [2.54]	.040 [1.02]		
2	.028 [0.71]	.078 [1.98]	.192 [4.88]	.125 [3.18]	.015 [0.38]		



3.78 [.149]

(See Table 2)



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