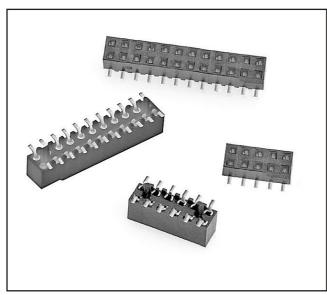
2 mm x 2 mm Straight Surface Mount, Straight and Right Angle Plated Through-Hole 1502 Series



- 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.3mconnectors.com for compliance information (RIA E1 & C1 apply)

Date Modified: February 24, 2014

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#### **Physical**

**Insulation:** 

Material: High Temperature Thermoplastic

**Contact:** 

Material: Copper alloy

Plating:

Underplating:  $1.27-3.81 \mu m$  [  $50-150 \mu$ "] Nickel overall

Wiping Area:  $0.76 \mu m$  [  $30 \mu$ " ] Gold

Solder Tails: 5.1 μm [ 200 μ"] Matte tin (RIA E1 & C1 apply)

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

#### **Electrical**

**Current Rating:** 1 A

**Voltage Rating:**  $150 \text{ V}_{AC}$  per EIA-364-20 **Insulation Resistance:**  $> 1 \times 10^9 \Omega$  at  $250 \text{ V}_{DC}$  **Withstanding Voltage:**  $500 \text{ V}_{DC}$  at Sea Level

#### **Environmental**

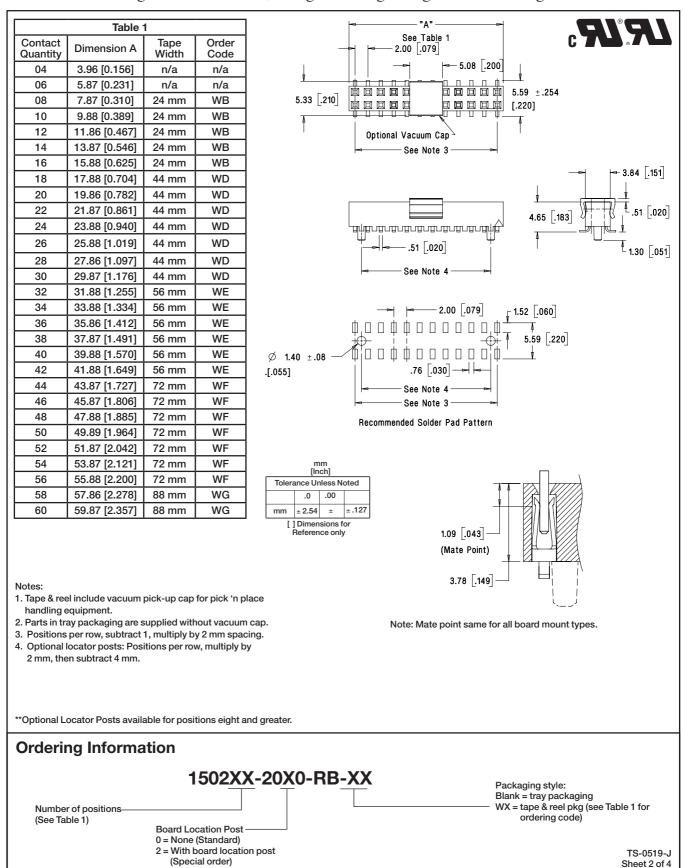
**Temperature Rating:** -55°C to +105°C

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

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

UL File No.: E68080

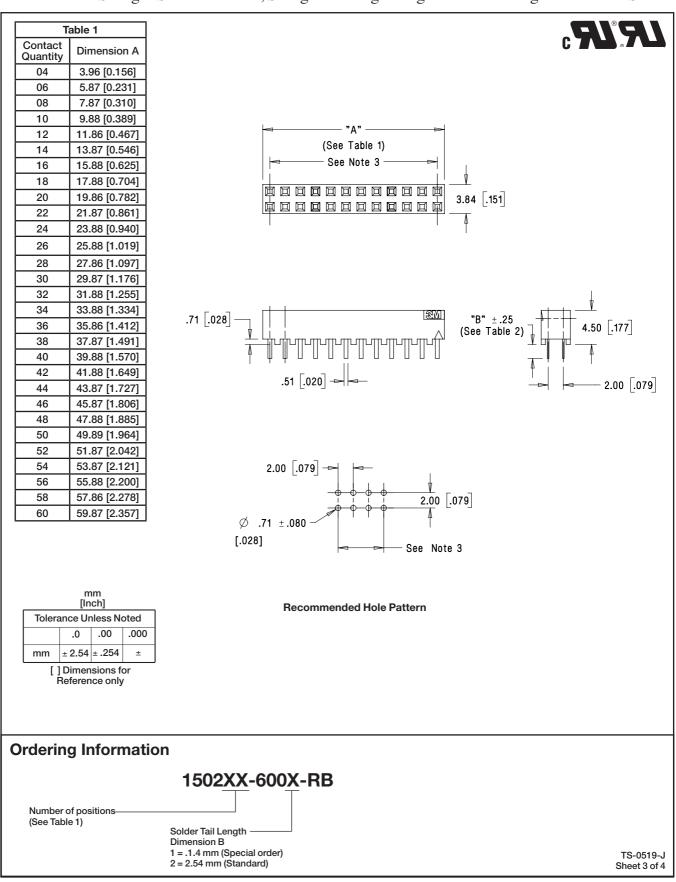
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**3M** 

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



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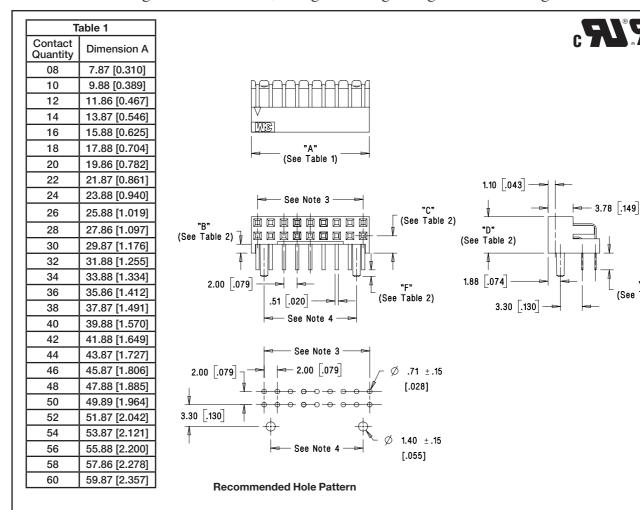
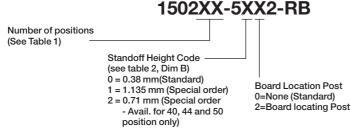


Table 2						
Standoff Height Code	Dimensions					
	В	С	D	E	F	
0	.015 [0.38]	.065 [1.65]	.179 [4.55]	.100 [2.54]	.040 [1.02]	
1	.053 [1.35]	.103 [2.62]	.217 [5.51]	.100 [2.54]	.040 [1.02]	
2	.028 [0.71]	.078 [1.98]	.192 [4.88]	.125 [3.18]	.015 [0.38]	

mm [Inch]							
Tolera	Tolerance Unless Noted						
	.0	.00	.000				
mm	± 2.54	± .254	± .127				
[ ] Dimensions for Reference only							

(See Table 2)

# Ordering Information



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