

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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3M[™] Tripolarized Wiremount Socket

 $.050" \times .100"$ for .025" Pitch Cable

820 Series



- Tripolarized for robust alignment when mating to 810 Series Header
- 50 mil × 100 mil halves the connector length vs. traditional 100 mil x 100 mil products
- Hill-n-dale design provides a high performance IDC termination and improved signal integrity vs. planar terminated connectors
- Beryllium Copper alloy contacts for superior strength and reliability
- Metal cover latch for positive cover retention and long term reliability
- · Metal strain relief for increased reliability and durability
- Contacts: 20, 26, 36, 40, 50, 60, 68, 80 and 100
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3Mconnector.com for compliance information

Date Modified: April 20, 2011

TS-0254-D Sheet 1 of 2

Physical

Insulation:

Material: Glass Filled Polyester (PBT)

Flammability: UL 94V-0

Color: Gray

Contact Material: Beryllium Copper Alloy

Plating:

Underplating: 100 µ" [2.54 mm] Nickel

U-Slot: Matte Tin or tin-lead (see ordering information)

Wiping Area: 30 µ" [0.76 mm] Gold

Wire Accommodation 30 AWG Solid, 30 AWG Pleated Foil, and 30 AWG Stranded, PVC, TPE, FEP

Marking: 3M Logo and Orientation Triangle

Mating Compatibility: 810 Series (TS-0253)

Electrical

Current Rating: 3.00 A, 1 Contact Powered

2.00 A, 4 Contacts Powered 0.75 A, All Contacts Powered

Rating Conditions: EIA-364-070 Method 2, 30 degrees C maximum temperature rise, 20% derated. Reference appropriate 3M Product Specification for detailed

current derating curves.

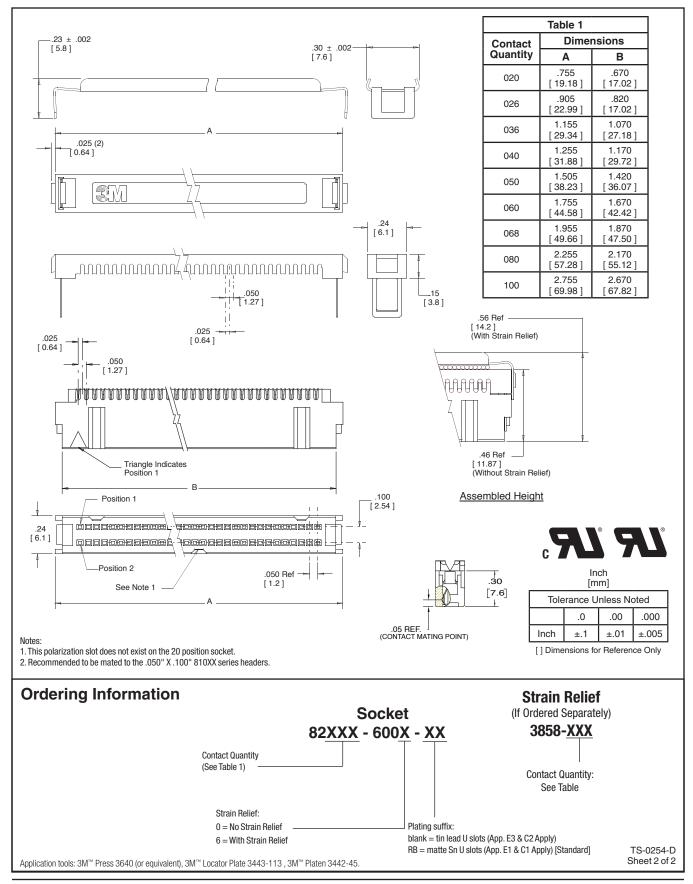
Insulation Resistance: $> 1 \times 10^9 \Omega$ at $500 V_{DC}$ **Withstanding Voltage:** $500 V_{RMS}$ at Sea Level

Environmental

Temperature Rating: -55° C to $+105^{\circ}$ C

UL File No.: E68080

820 Series



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