$3M^{\text{TM}}$ Tripolarized Wiremount Socket

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



• 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: Withstanding Voltage:	
withstanding voltage:	JOU V _{RMS} at Sea Level

Environmental

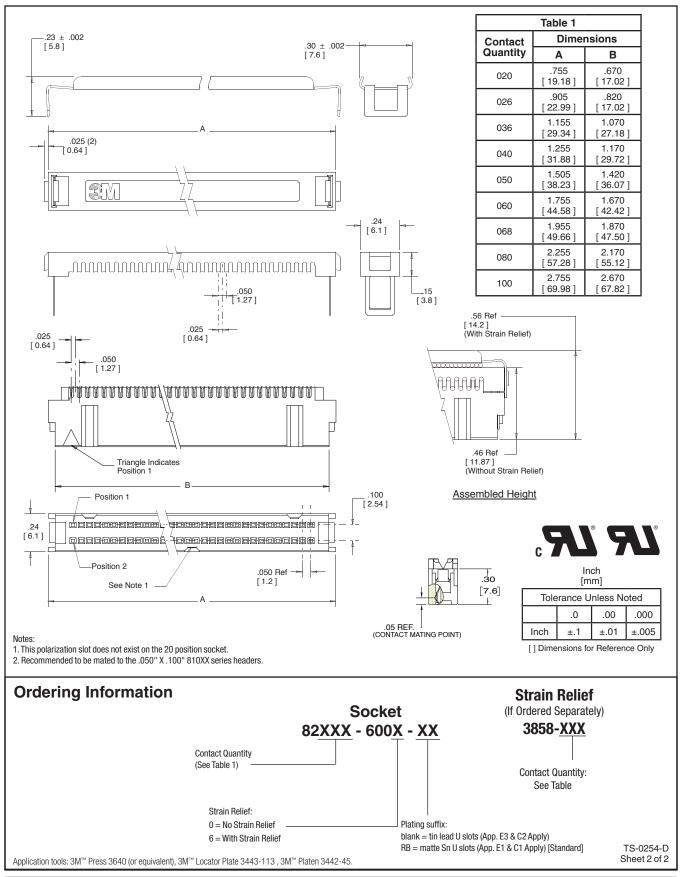
Temperature Rating: -55°C to +105°C

UL File No.: E68080

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820 Series



ЗМ

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