

.050" × .100" Tripolarized Wiremount Mini Socket

.025" Pitch Cable, Optional Metal Strain Relief

820 Series



- Rugged tripolarized mating system
- Nine sizes (20–100 position)
- Hill-n-dale design provides high performance IDC interface
- Insert molded copper alloy contacts for superior strength and reliability
- Metal cover latch and strain relief for long term reliability

Date Modified: March 2, 2000

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Physical

Insulation

Material: Glass Filled Polyester (PBT)
Flammability: UL 94V-0
Color: Gray

Contact

Material: Copper Alloy
Plating
Underplate & U-Slot: 100 μ " [2.54 μ m] Nickel — QQ-N-290, Class 2
Wiping Area: 30 μ " [0.76 μ m] Gold — MIL-G-45204, Type II, Grade C
Wire Accommodation: 30 AWG Solid, 30 AWG Pleated Foil, and 30 AWG Stranded
Marking: 3M Logo and Orientation Triangle

Electrical

Current Rating: 0.5 A
Insulation Resistance: $> 1 \times 10^9 \Omega$ at 500 Vdc
Withstanding Voltage: 500 Vrms at Sea Level

Environmental

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

UL File No.: E68080

3M Interconnect Solutions Division

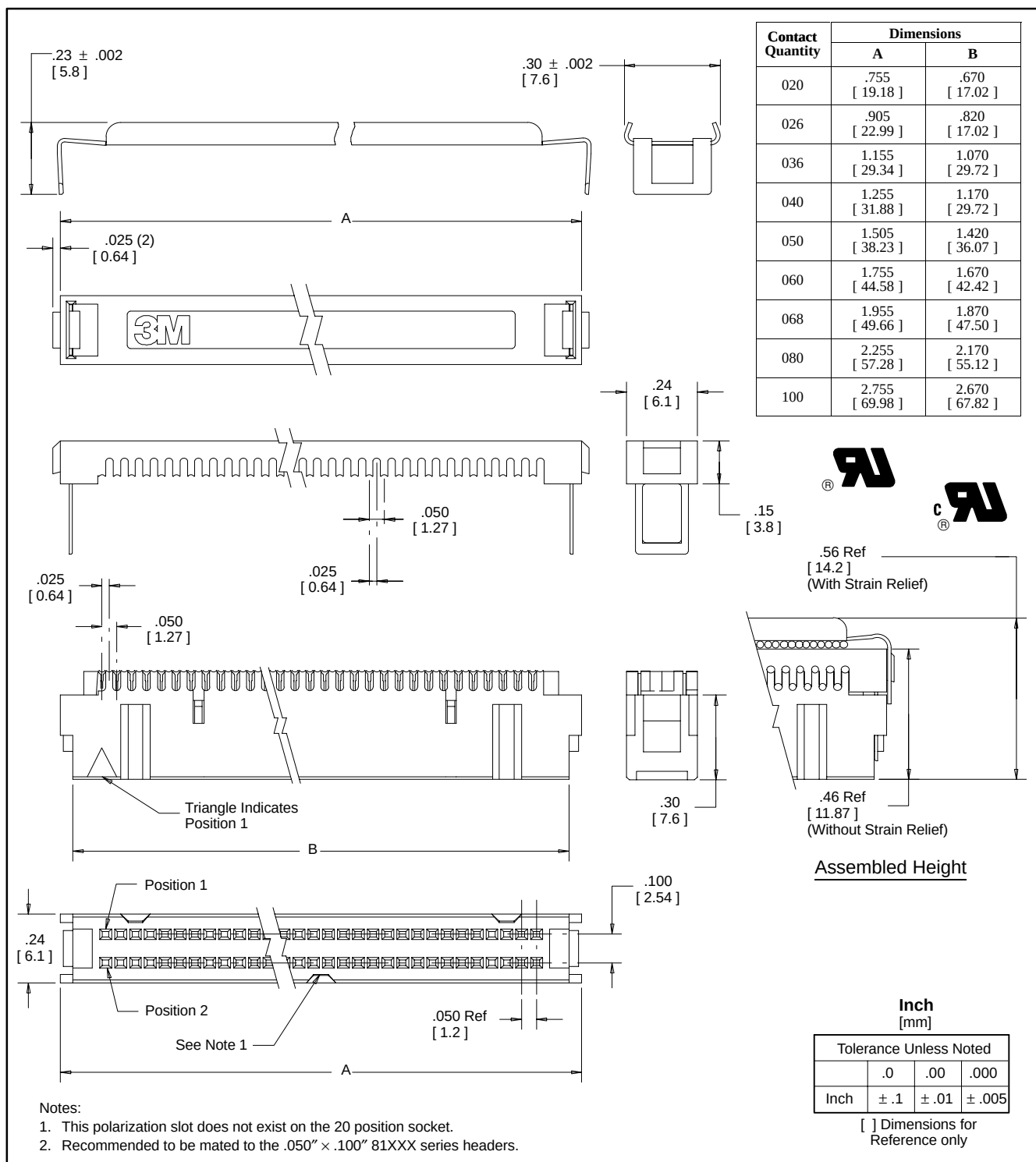
6801 River Place Blvd.
Austin, TX 78726-9000

For technical, sales or ordering information call
800-225-5373

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Ordering Information

Socket
82XXX-600X

Contact Quantity:
See Table

Strain Relief:
0 = No Strain Relief
6 = With Strain Relief

Strain Relief
(If Ordered Separately)
3858-XXX

Contact Quantity:
See Table

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Sheet 2 of 2

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