

# .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

TS-0254-19  
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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  $\mu$ " [ 2.54  $\mu$ m ] Nickel — QQ-N-290, Class 2  
Wiping Area: 30  $\mu$ " [ 0.76  $\mu$ 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:**  $-55^{\circ}\text{C}$  to  $+105^{\circ}\text{C}$

UL File No.: E68080

### 3M Interconnect Solutions Division

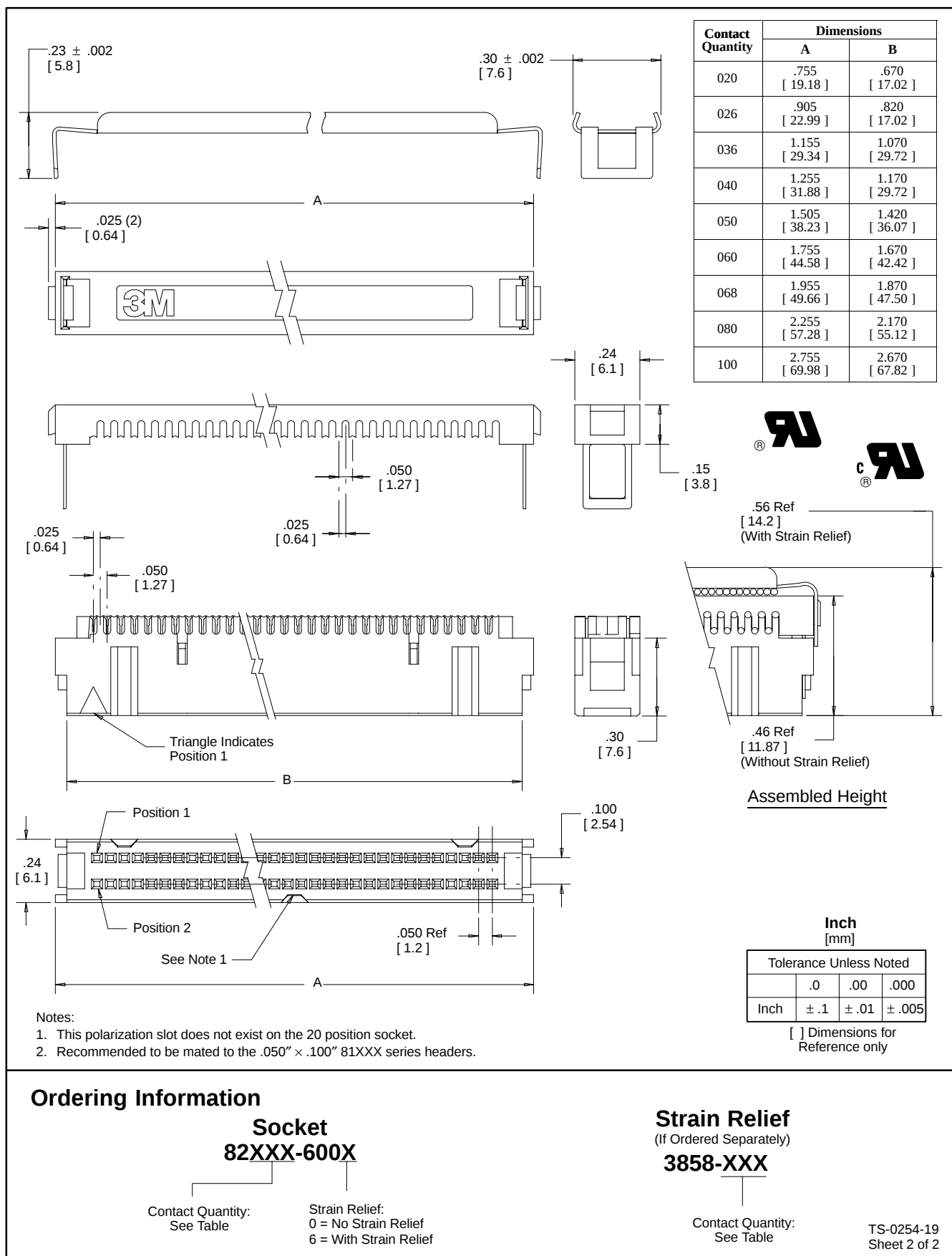
6801 River Place Blvd.  
Austin, TX 78726-9000

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

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