

.050" × .100" Tripolarized Wiremount Mini Socket

.025" Pitch Cable, Optional Metal Strain Relief

820 Series



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Date Issued: October 22, 1997

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 Electronic Products Division

6801 River Place Blvd.
Austin, TX 78726-9000

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

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Technical drawing showing side, top, and front views of the socket with dimensions in inches and millimeters. Dimensions include: .23 [5.8], .025 (2) [0.64], .30 [7.6], .24 [6.1], .15 [3.8], .025 [0.64], .050 [1.27], .025 [0.64], .050 [1.27], .24 [6.1], .100 [2.54], .050 Ref [1.2], .56 Ref [14.2] (With Strain Relief), .46 Ref [11.87] (Without Strain Relief), .30 [7.6].

Triangle Indicates Position 1

Position 1

Position 2

See Note 1

3M

Contact Quantity	Dimensions	
	A	B
020	.755 [19.18]	.670 [17.02]
026	.905 [22.99]	.820 [17.02]
036	1.155 [29.34]	1.070 [29.72]
040	1.255 [31.88]	1.170 [29.72]
050	1.505 [38.23]	1.420 [36.07]
060	1.755 [44.58]	1.670 [42.42]
068	1.955 [49.66]	1.870 [47.50]
080	2.255 [57.28]	2.170 [55.12]
100	2.755 [69.98]	2.670 [67.82]

Assembled Height

Inch [mm]

Tolerance Unless Noted			
	.0	.00	.000
Inch	± .1	± .01	± .005

[] Dimensions for Reference only

Notes:

- This polarization slot does not exist on the 20 position socket.
- Recommended to be mated to the .050" × .100" 81XXX series headers.

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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