3M™ Wiremount Socket
.100” × .100” for .050” Pitch Cable (Optional Plastic or Metal Strain Relief) 3000 Series

- Industry standard IDC socket
- Positive locking metal “J” clips provide high cover retention
- Mates with 3M headers, plugs and pin strips for quick connect/disconnect capability
- Open or closed end covers available
- Accepts flat cable or discrete wire
- Military polarization, with or without centerbump
- Transfer adhesive on covers provides precision alignment between connector and cables resulting in high yield terminations
- Availability of pull tab to facilitate proper unplugging
- Availability of 2 types of strain relief (standard and low profile) to isolate the IDC interface
- Set the standard for MIL spec and IEC standardization
- Availability of Military and Center Bump polarization
- See the Regulatory Information Appendix (RIA) in the “RoHS compliance” section of www.3mconnectors.com for compliance information (RIA E1 & C1 apply)

Date Modified: October 12, 2011  TS-0718-F
Sheet 1 of 3

Physical

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

Contact:
- Material: Copper Alloy
- J Clip Material: Stainless Steel

Plating:
- Underplating and U-Slot: 100 μ” [ 2.54 μm ] Nickel
- Wiping Area: 30 μ” [ 0.76 μm ] Gold
- Wire Accommodation: 26 and 28 AWG Solid and Stranded

Marking:
- 3M Logo, Part Identification Number and Orientation Triangle

Electrical

Current Rating:

<table>
<thead>
<tr>
<th></th>
<th>1 Line</th>
<th>6 Adjacent Lines</th>
<th>All Lines</th>
</tr>
</thead>
<tbody>
<tr>
<td>26 AWG</td>
<td>4.75</td>
<td>2.00</td>
<td>1.00</td>
</tr>
<tr>
<td>28 AWG</td>
<td>4.50</td>
<td>1.75</td>
<td>1.00</td>
</tr>
</tbody>
</table>

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

Insulation Resistance: > 1 × 10⁹Ω at 500 V DC

Withstanding Voltage: 1000 V RMS at Sea Level

Environmental

Temperature Rating: -55°C to +105°C

UL File No.: E68080
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Ordering Information

Sockets

Socket Series: XXXX-XXXX

RA (E1 & C1 Apply)

00 = No Strain Relief
XX = Contact Quantity for Plastic Strain Relief
10-60 Position
05 = Plastic Strain Relief
6 & 8 Position
06 = Metal Strain Relief
10-60 Position

Polarization:
0 = Military (Dual Slot)
6 = Centerbump and Military

Notes:
1. This polarizing groove is non-existent on 3863, 3868, 3865 and 3473 Series.
2. This polarizing groove is non-existent on 3863 series for Polarization option 6.
3. The low profile strain relief can be used with the 4600 Series Plug and .1 x .1 Headers with ejector latches. The latches will only function as an ejector.

Keying Plug (Order Separately)

3435-0

Pull Tabs (Order Separately)

3490-X

See TS-0720

Strain Relief (Order Separately)

3448-X0XX

Type:
00 = No Strain Relief
XX = “Contact Quantity” See Table (i.e. 50 for a 50 Position Strain Relief)
05 = Plastic Strain Relief
6 & 8 Position
06 = Metal Strain Relief
10-60 Position

Assembly tools: 3M™ Press (or equivalent) 3640, 3M™ Locator Plate 3443-94, 3M™ Platen 3442-9.

Pull Tabs

TS-0718-F

Sheet 2 of 3

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

Electronic Solutions Division
Interconnect Solutions
http://www.3Mconnectors.com
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.100” × .100” for .050” Pitch Cable (Optional Plastic or Metal Strain Relief) 3000 Series

Recommended Post Pattern

- B -
Typ

- A -
Typ

.30 Min
[7.6]

Space for Cable Exit

.025 ± .001
[0.64] Square or Round Typ
(See Note 1)

See Note 2

.018 Max
[0.46]

.230 Min
[5.84]

Space Occupied by Socket

.20 Min
[5.1]

.14
[3.6]

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