

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: | 1 Line | 6 Adjacent Lines | All Lines |
|-----------------|--------|------------------|-----------|
| 26 AWG | 4.75 | 2.00 | 1.00 |
| 28 AWG | 4.50 | 1.75 | 1.00 |

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: $> 1 \times 10^9 \Omega$ 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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| Inch (mm) | | | |
|------------------------|------|-------|--------|
| Tolerance Unless Noted | | | |
| | .0 | .00 | .000 |
| Inch | ± .1 | ± .01 | ± .005 |

[] Dimensions for Reference only



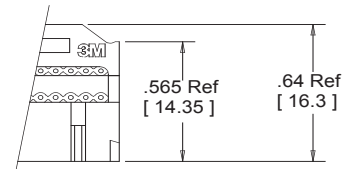
| Contact Quantity | Dimensions | | |
|------------------|---------------|-------------|-------------|
| | Socket Series | A | B |
| 6 | 3863 | 0.48 [12.2] | 0.34 [8.6] |
| 8 | 3868 | 0.58 [14.7] | 0.44 [11.2] |
| 10 | 3473 | 0.68 [17.3] | 0.54 [13.7] |
| 14 | 3385 | 0.88 [22.4] | 0.74 [18.8] |
| 16 | 3452 | 0.98 [24.9] | 0.84 [21.3] |
| 20 | 3421 | 1.18 [30.0] | 1.04 [26.4] |
| 24 | 3626 | 1.38 [35.1] | 1.24 [31.5] |
| 26 | 3399 | 1.48 [37.6] | 1.34 [34.0] |
| 30 | 3419 | 1.68 [42.7] | 1.54 [39.1] |
| 34 | 3414 | 1.88 [47.8] | 1.74 [44.2] |
| 36 | 9436 | 1.98 [50.3] | 1.84 [46.7] |
| 40 | 3417 | 2.18 [55.4] | 2.04 [51.8] |
| 44 | 9444 | 2.38 [60.5] | 2.24 [56.9] |
| 50 | 3425 | 2.68 [68.1] | 2.54 [64.5] |
| 60 | 3334 | 3.18 [80.8] | 3.04 [77.2] |



Assembled Height with Metal Profile Strain Relief



Assembled Height without Strain Relief



Assembled Height with Plastic Strain Relief

Notes:

1. This polarizing groove is non-existent on 3863, 3868, 3385 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.

Ordering Information

Sockets

XXXX-XXXX RIA (E1 & C1 Apply)

Socket Series:
See Table for
3M Part Number

Cover:
6 = Open End
(For Daisy Chaining or Bussing)
7 = Closed End
(For End Cable Termination)
(10-60 Position Only)

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

Strain Relief
(Order Separately)
3448-X0XX

Type:
2 = Low Profile 10-60
Position (Metal)
3 = Plastic

XX = "Contact Quantity"
See Table
(i.e. 50 for
a 50 Position
Strain Relief)

Keying Plug
(Order Separately)
3435-0

Pull Tabs
(Order Separately)
3490-X

See TS-0720

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

TS-0718-F
Sheet 2 of 3



Electronic Solutions Division
Interconnect Solutions
http://www.3Mconnectors.com

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Recommended Post Pattern

TS-0718-F
Sheet 3 of 3

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RIA-2217B-E

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