

3M™ IDC Ribbon Cable Socket

.100" × .100" for .050" Pitch Cable

891 Series



- Preassembled, packaging on swords for easy loading of manual and semi-automatic assembly equipment
- “Bumps” are designed to prevent premature latch locking during shipment
- Optional double-sided adhesive pull tab for easy unplugging
- Double-recessed cover for cable terminating from either side virtually eliminating the need for single-recessed cover connectors
- Military polarization, with or without centerbump
- See the Regulatory Information Appendix (RIA) in the “RoHS compliance” section of www.3Mconnectors.com for compliance information (RIA E1 & C1 apply)

Date Modified: July 18, 2012

TS-0449-L
Sheet 1 of 3

Insulation:

Material: Glass Filled Polyester (PBT)

Flammability: UL 94V-0

Color: Gray

Contact:

Material: Phosphor Bronze

Plating:

Underplating: 50 μ" [1.27 μm] Nickel

Wiping Area: 30 μ" [0.76 μm] Gold

Wire Accommodation: 26 and 28 AWG Stranded

Marking: 3M Logo and Orientation Triangle

Current Rating:

	1 line	6 Adjacent Lines	All Lines
28 AWG	4.25	1.75	1.25
26 AWG	4.50	2.25	1.50

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: 1,000 V_{RMS} at Sea Level

Temperature Rating: -55°C to +105°C

UL File No.: E68080



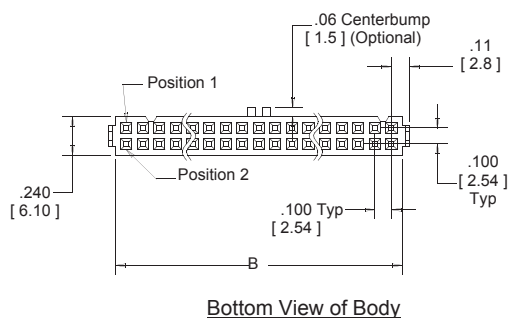
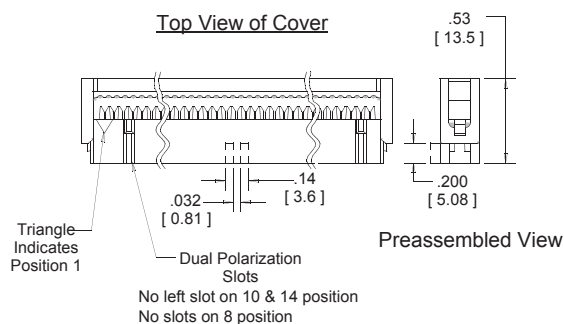
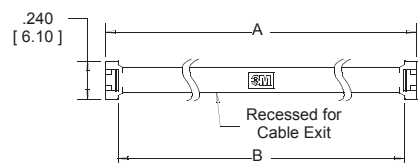
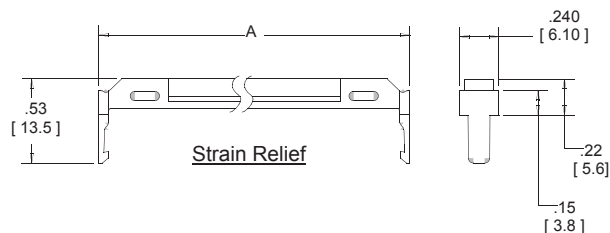
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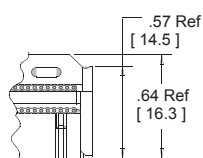
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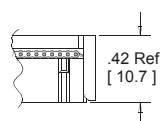
891 Series



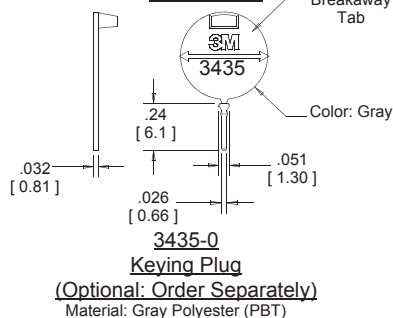
Contact Quantity	Dimensions	
	A	B
8	0.58 [14.7]	0.43 [10.9]
10	0.68 [17.3]	0.53 [13.5]
14	0.88 [22.4]	0.73 [18.5]
16	0.98 [24.9]	0.83 [21.1]
20	1.18 [30.0]	1.03 [26.2]
24	1.38 [35.1]	1.23 [31.2]
26	1.48 [37.6]	1.33 [33.8]
30	1.68 [42.7]	1.53 [38.9]
34	1.88 [47.8]	1.73 [43.9]
36	1.98 [50.3]	1.83 [46.5]
40	2.18 [55.4]	2.03 [51.6]
44	2.38 [60.5]	2.23 [56.4]
50	2.68 [68.1]	2.53 [64.3]
60	3.18 [80.8]	3.03 [77.0]



Assembled Height with Standard Plastic Strain Relief



Assembled Height Without Strain Relief



Inch (mm)

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

[] Dimensions for Reference only

Ordering Information

Sockets 891XX-0X0X

Contact Quantity
See Table

1 = No Strain Relief
3 = Strain Relief

Package Style Options:
0 = Preassembled

Polarization Options:
0 = Without Centerbump
1 = With Centerbump

Strain Relief (Order Separately) 3448-891XX

Contact Quantity:
See Table

Pull Tabs (Order Separately) See TS-0496

Assembly tools: 3M™ Press (or equivalent) 3640, 3M™ Locator Plate 3443-107N, 3M™ Platen 3442-9.

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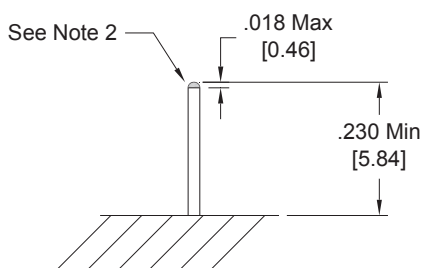
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.100" × .100" for .050" Pitch Cable

Technical drawing of a cable tray assembly showing dimensions and callouts:

- Dimensions:**
 - $.100$ [2.54] (Twice)
 - $.30$ Min [7.6] (Twice)
 - $.20$ Min [5.1]
 - $.14$ [3.6]
 - $.30$ Min [7.6]
 - $.025 \pm .001$ [0.64] Square or Round Typ (See Note 1)
- Callouts:**
 - A - Typ
 - B - Typ
 - Space Occupied by Socket
 - Space for Cable Exit
- Legend:**

$\oplus$	$\varnothing .025$ (M)	A	B
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