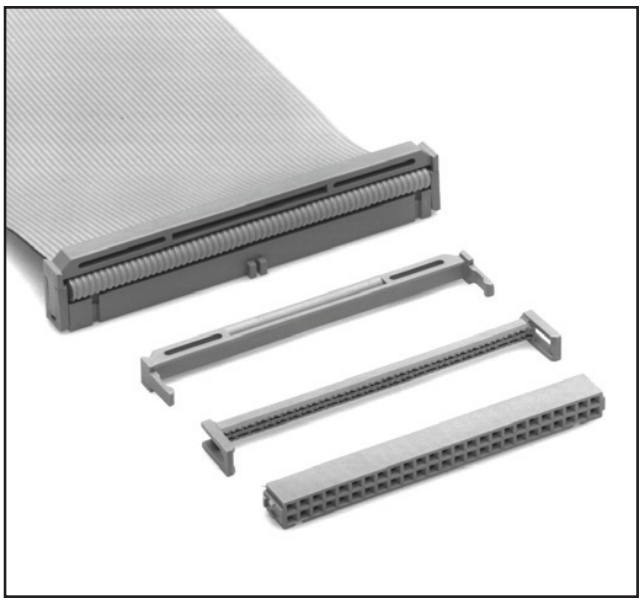
3M™ IDC Ribbon Cable Socket

.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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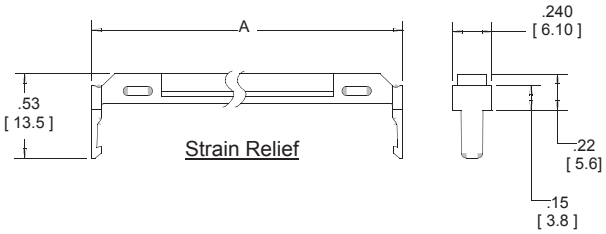
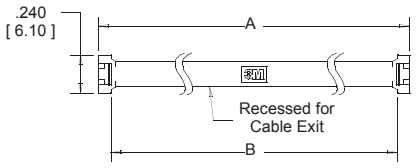
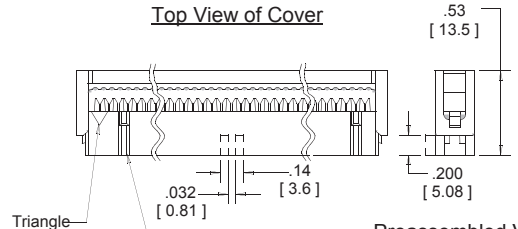
Contact Quantity	Dimensions	
	A	B
8	0.58 [14.7]	0.43 [10.9]
10	0.68 [17.3]	0.53 [13.5]
14	0.88 [22.4]	0.73 [18.5]
16	0.98 [24.9]	0.83 [21.1]
20	1.18 [30.0]	1.03 [26.2]
24	1.38 [35.1]	1.23 [31.2]
26	1.48 [37.6]	1.33 [33.8]
30	1.68 [42.7]	1.53 [38.9]
34	1.88 [47.8]	1.73 [43.9]
36	1.98 [50.3]	1.83 [46.5]
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]



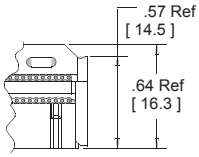
Strain Relief



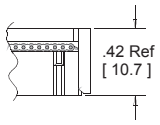
Top View of Cover



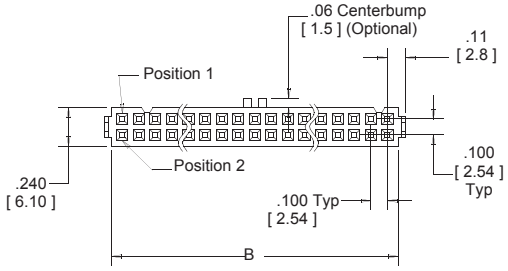
Preassembled View



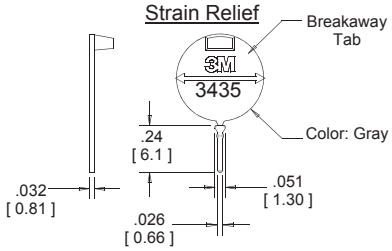
Assembled Height with Standard Plastic Strain Relief



Assembled Height Without Strain Relief



Bottom View of Body



3435-0
Keying Plug
(Optional: Order Separately)
Material: Gray Polyester (PBT)

Inch
(mm)

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

[ ] Dimensions for Reference only

Ordering Information

Sockets
891XX-0X0X

- XX: Contact Quantity — See Table
- X: 1 = No Strain Relief, 3 = Strain Relief
- X: Package Style Options: 0 = Preassembled
- X: Polarization Options: 0 = Without Centerbump, 1 = With Centerbump

Strain Relief
(Order Separately)
3448-891XX

- XX: 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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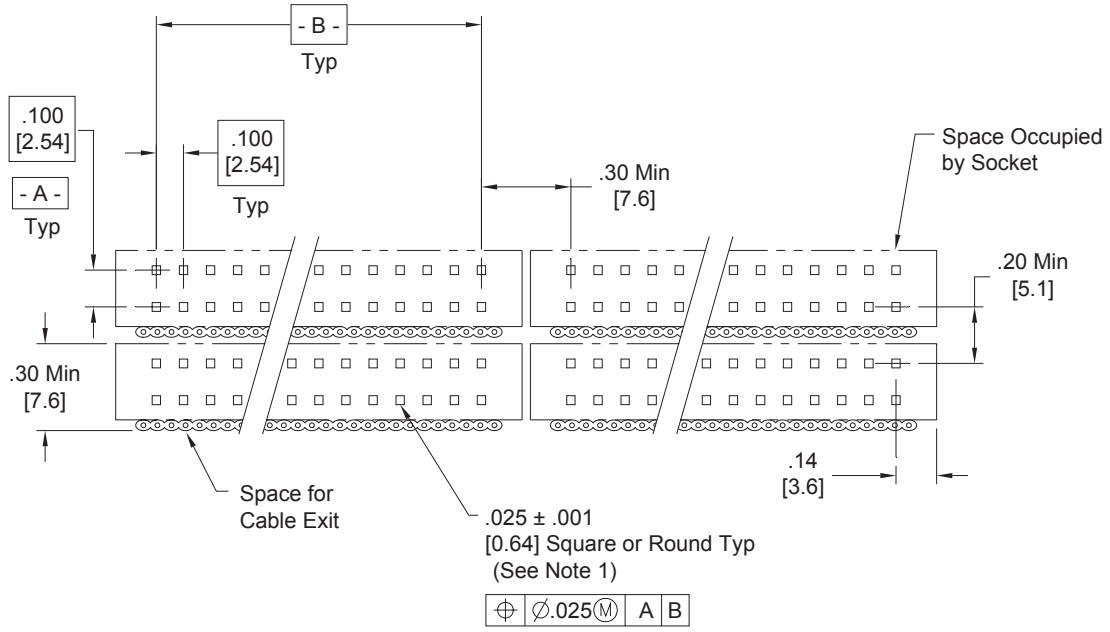

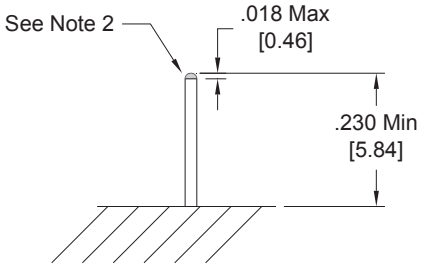

Recommended Post Pattern for Stacked Configurations

Note 1: Measured at tip.

Note 2: Tapered pin tip configuration recommended.

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