

# 3M™ Molded Assembly

2 mm x 2 mm

2M Series



- Available in multiple sizes
- Sockets mate with standard 2 mm × 2 mm headers and plugs
- Molded-in strain relief
- See Regulatory Information Appendix (RIA) for chemical compliance information

Date Modified: January 23, 2008

TS-2150-C  
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## Physical

### Connector:

Technical Specification: TS-0525 for 2 mm × 2 mm Molded-On Socket  
TS-2151 for 2 mm × 2 mm Molded-On PCB

### Cable:

Technical Specification: TS-0452 for 1mm Flat Ribbon Cable

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## Electrical

**Voltage Rating:** 30 V

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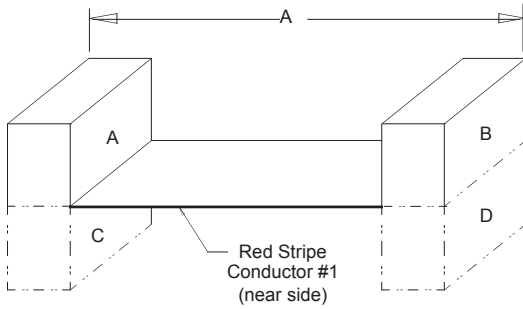
## Environmental

**Temperature Rating:** -20°C to +105°C

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Left Connector

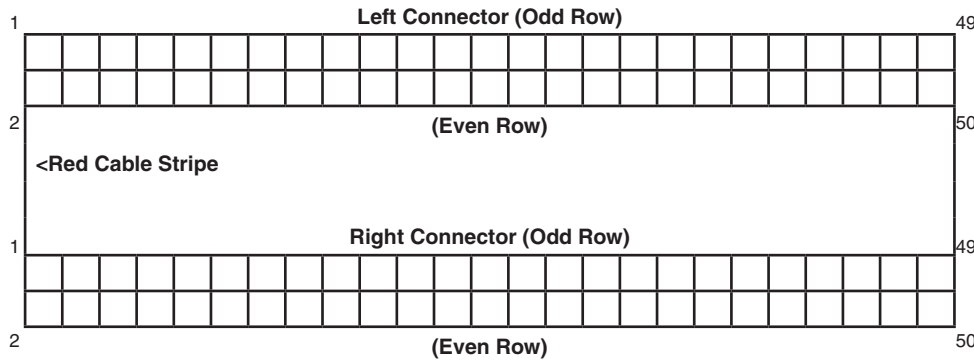
Right Connector

Length (Dim A) Tolerance		
Min.	Max.	Tol.
1.7	10.0	±0.3
10.0	20.0	±0.5
20.0	40.0	±0.6
40.0	120.0	±1.0
120.0		±2.0

Note: A fan-out assembly, with multiple connectors on one end, requires a drawing submittal and review.

Available Options															
Connector/Pos.	6	8	10	12	16	20	22	24	26	30	34	36	40	44	50
Socket	x	x	x		x	x	x	x	x	x	x		x	x	x
PCB	x	x	x	x	x	x			x	x		x	x	x	x
Cable	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Cable/Pos.	6	8	10	12	16	20	22	24	26	30	34	36	40	44	50

Note: If "Keying" is required, mark the circuit(s) to key.



## Ordering Information

**2M XX XX - XXX - XXXX - XXX.X - XX - XX - XX - X**

### Connector Types (Left and Right)

Socket, Low Profile (.29")

AA = no Centerbump, no Latching Ear

AB = Centerbump, no Latching Ear

AC = no Centerbump, with Latching Ear (See Note 1)

AD = Centerbump, with Latching Ear (See Note 1)

PCB, 2-Row

BD = Matte Sn Plating, Straight Solder Tail

### Number of Cable Conductors

**Cable Product Series**  
28 AWG  
3625 = Stranded, PVC

### Assembly Length

Tip-to-Tip inches  
(Dim A in inches)  
Example:  
001.7 = 1.7" Min

### Left Right

Connector Feature Options  
0 = No Keying Required  
4 = Keying Required, specify position(s)

### Marking

0 = No Marking  
1 = Label - Date Code  
2 = Inkstamp - Date Code

### Left Right Centerbump Orientation

Options  
0 = None  
1 = Inside  
2 = Outside

### Connector Orientation

Options (Left and Right)  
AB = Up-Up  
AD = Up-Down  
CB = Down-Up  
CD = Down-Down

Notes: 1. Latching ear option is required for mating with the 3M™ Latch/Eject Header 2 mm, 1552 Series  
2. (RIA E1 & C1 apply for all cables and connectors listed)

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