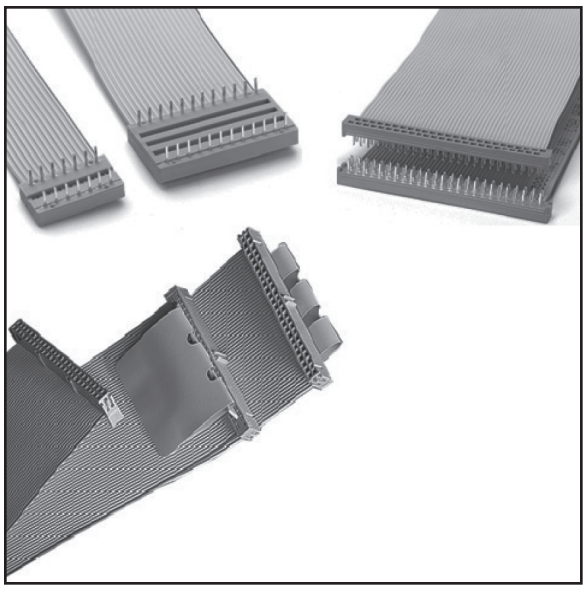
3M™ Molded Assembly

.100” x .100”

1M Series



- Available in multiple sizes
- Sockets mate with standard .100″ x .100″ headers and plugs
- Molded-in strain relief
- Regulatory Information: Visit 3M.com/regs or contact your 3M representative to find the RoHS compliance status of the 3M part you are interested in.

Date Modified: September 18, 2019

Physical

Connector:	
Technical Specification:	TS-0632 for .100” x .100” Molded-On Socket
	TS-2153 for .100” x .100” Molded-On PCB
	TS-2152 for .100” x .300” or .600” Molded-On DIP
26 AWG Cable:	
Technical Specification:	TS-0063 for .050” Flat Ribbon (stranded) Cable, Gray PVC
	TS-0122 for .050” Flat Ribbon (stranded) Cable, Color Coded PVC
28 AWG Cable:	
Technical Specification:	TS-0123 for .050” Flat Ribbon (stranded) Cable, Color Coded PVC
	TS-0059 for .050” Flat Ribbon (stranded) High Flex Life Cable, Black PVC
	TS-0080 for .050” Flat Ribbon (stranded) Cable, Gray PVC
	TS-0058 for .050” Flat Ribbon (stranded) Medium Flex Life Cable, Gray PVC
	TS-0419 for .050” Flat Ribbon (solid) Cable, Gray PVC
	TS-2334 for .050" Round Conductor Flat Cable, Halogen-free, Gray Polyolefin

Electrical

Voltage Rating: 30 V

Environmental

Temperature Rating: -20°C to +105°C

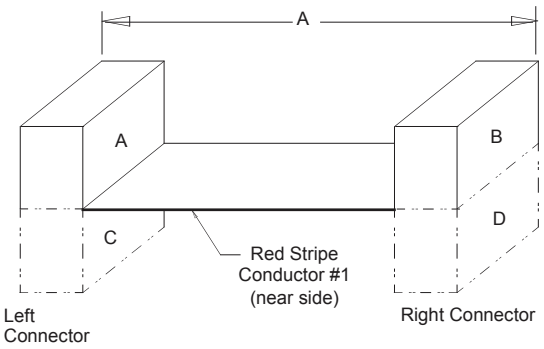
UL File No.: E86982

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3M™ Molded Assembly

.100” x .100”

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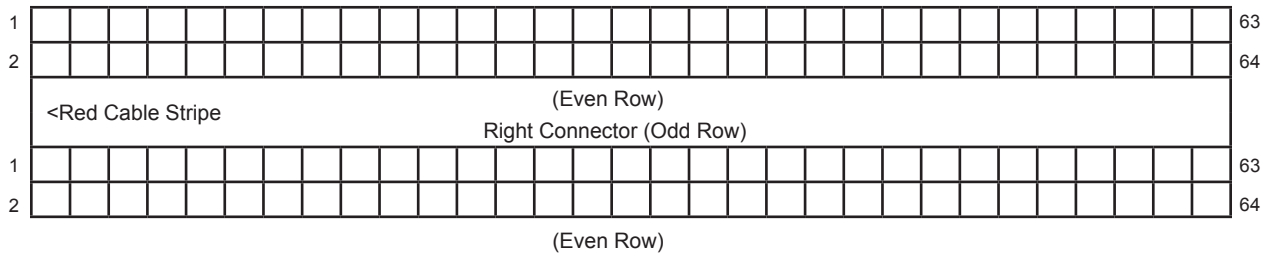


Length (Dim A) Tolerance		
Min	Max	Tol
1.7	10.0	±0.3
10.0	20.0	±0.5
20.0	40.0	±0.6
40.0	120.0	±1.0
120.0		±2.0

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

Connector/Pos.	6	8	10	12	14	16	18	20	24	26	28	30	34	36	40	44	50	60	64
Socket	X	X	X	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	X	X	X	X
.1” x .3” DIP	X	X			X	X	X	X			X								
.1” x .6” DIP									X		X				X				
All Cable	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cable/Pos.	6	8	10	12	14	16	18	20	24	26	28	30	34	36	40	44	50	60	64

Note: If “Keying” is required, mark the circuit(s) to key Left Connector (Odd Row)



Ordering Information

1M XX XX - XXX - XXXX - XXX.X - XX - XX - XX - X

Connector Types (Left and Right)

Socket, Low Profile (.41”)
10 = with Military Polarization slots
16 = with Centerbump and Military Polarization slots
19 = with Dual Bump and Military Polarization slots

Socket, Regular Profile (.56”)
30 = with Military Polarization slots
36 = with Centerbump and Military Polarization slots
39 = with Dual Bump and Military Polarization slots

PCB, 2-Row
A0 = Straight Matte Sn Solder Tail
A1 = Retention Matte Sn Solder Tail

DIP .1” x .3”
B0= Matte Sn Plating, Straight Solder Tail
B1= Matte Sn Plating, Retention Solder Tail
50 = 15 Au Plating, Straight Solder Tail
51 = 15 Au Plating, Retention Solder Tail
60 = 30 Au Plating, Straight Solder Tail
61 = 30 Au Plating, Retention Solder Tail

DIP .1” x .6”
C0 = Matte Sn Plating, Straight Solder Tail
C1 = Matte Sn Plating, Retention Solder Tail
80 = 15 Au Plating, Straight Solder Tail
81 = 15 Au Plating, Retention Solder Tail
90 = 30 Au Plating, Straight Solder Tail
91 = 30 Au Plating, Retention Solder Tail

Number of Cable Conductors

Cable Product Series
26 AWG
3801 = Stranded, PVC
3811 = Stranded, PVC, Color Coded
28 AWG
3302 = Stranded, PVC, Color Coded
3319 = Stranded, PVC, High Flex Life
3365 = Stranded, PVC
3539 = Stranded, PVC, Medium Flex Life
3709 = Solid, PVC
HF365 = Stranded, Halogen-free Polyolefin

Assembly Length
Tip-to-Tip inches
(Dim A in inches)
Example:
001.7 = 1.7” Min

Left Right Connector Feature Options
0 = No Pull Tab or Keying Required
1 = Pull Tab (Socket only, not available on 6 or 8 Contact Quantity)
2 = Keying Required, specifiy position(s)
3 = Pull Tab and Keying Required, specify position(s)

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

Left Right Centerbump Orientation Options
0 = None
1 = Inside
2 = Outside

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

Note: (RIA E1 & C1 apply for all cables and connectors listed)

3M

Electronics Materials Solutions Division
Interconnect Solutions
http://www.3M.com/interconnect

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