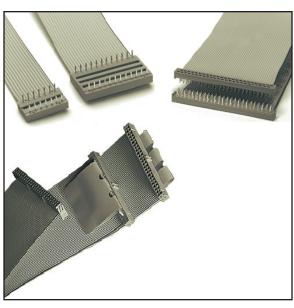
# 3M<sup>™</sup> Molded Assembly

.100" x .100"



- Available in multiple sizes
- Sockets mate with standard .100" x .100" headers and plugs
- Molded-in strain relief
- See Regulatory Information Appendix (RIA) for chemical compliance information

Date Modified: February 29, 2008

TS-2149-D Sheet 1 of 2

## **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-0066 for .050" Flat Ribbon (solid) Cable, Gray PVC

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

## **Electrical**

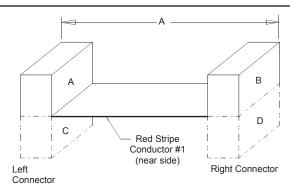
**Voltage Rating: 30 V** 

## **Environmental**

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

UL File No.: E86982

.100" x .100" 1M Series



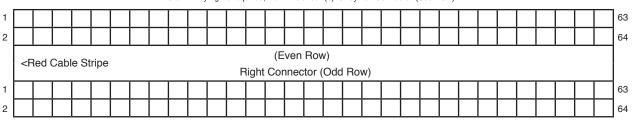
Length (Dim A) Tolerance									
Min	Max	Tol							
1.7	10.0	±0.3							
10.0	20.0	±0.5							
20.0	40.0	±0.6							
40.0	120.0	±1.0							
120.0		±2.0							



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	Х	Х	Х	Х	Х	Х		Х	Х	Х		Х	Х	Х	Х		Х	Х	X
PCB	Х	Х	Х		Х	Х		Х	Х	Х		Х	Х	Х	Х	Х	Х	Х	Х
.1" x .3" DIP	Х	Х			Х	Х	Х	Х			Х								
.1" x .6" DIP									Х		Х				Х				
All Cable	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
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)



(Even Row)

## Ordering Information



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

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

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

## Assembly Length

Tip-to-Tip inches

Example:

001.7 = 1.7" Min

#### **Cable Product Series**

26 AWG

3306 = Solid, PVC

3801 = Stranded, PVC

3811 = Stranded, PVC, Color Coded

3302 = Stranded, PVC, Color Coded

3319 = Stranded, PVC, High Flex Life

3365 = Stranded, PVC

3539 = Stranded, PVC, Medium Flex Life

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

3709 = Solid, PVC

(Dim A in inches)

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 = Un-Down

CB = Down-Up

CD = Down-Down

### 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)

TS-2149-D Sheet 2 of 2