

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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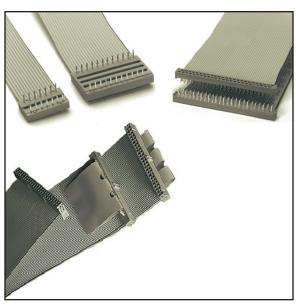






# 3M<sup>™</sup> Molded Assembly

.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**

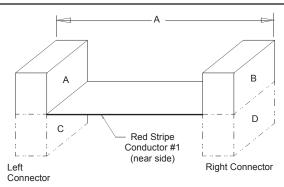
**Voltage Rating: 30 V** 

## **Environmental**

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

UL File No.: E86982

.100" x .100" 1M Series



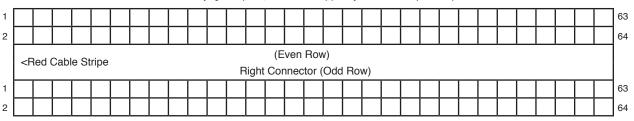
Length (Dim A) Tolerance								
Min	Max	Tol						
1.7	10.0	±0.3						
10.0	20.0	±0.5						
20.0	40.0	±0.6						
40.0	120.0	±1.0						
120.0		±2.0						



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	Х
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	X	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

Tip-to-Tip inches

#### **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

## Assembly Length

(Dim A in inches)

Example:

001.7 = 1.7" Min

## Left Right

**Centerbump Orientation Options** 

Marking

0 = No Marking

1 = Label - Date Code

2 = Inkstamp - Date Code

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)

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**Electronic Solutions Division**