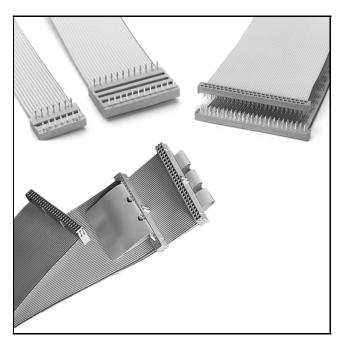
3M[™] Molded Assembly

.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: November 15, 2007

TS-2149-B 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-0553 for .050" Flat Ribbon (stranded) Cable, Blue FEP TS-0419 for .050" Flat Ribbon (solid) Cable, Gray PVC

Electrical

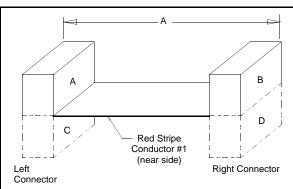
Voltage Rating: 30 V

Environmental

Temperature Rating: -20°C to +105°C

UL File No.: E86982

.100" x .100" 1M Series



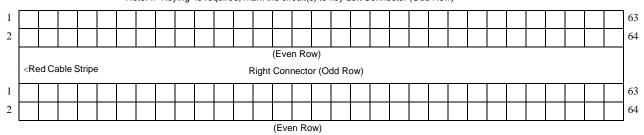
Length (Dim A) Tolerance									
Min	Min Max								
1.7	10.0	± 0.3							
10.0	20.0	± 0.5							
20.0	40.0	± 0.6							
40.0	120.0	± 1.0							
120.0		± 2.0							



Note: A fan-out assembly	with multiple connectors on	one end requires a dra	awing 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" × .3" DIP	X	X			X	X	X	X			X								
.1" × .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

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

Tip-to-Tip inches

001.7 = 1.7'' Min **Cable Product Series** 26 AWG

3306 = Solid, PVC

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 3601 = Stranded, FEP 3709 = Solid, PVC

Assembly Length

(Dim A in inches)

Example:

Marking

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

Left Right

Centerbump Orientation Options

0 = None1 = Inside

2 = Outside

Connector Orientation Options (Left and Right)

AB = Up-UpAD = Up-DownCB = 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)

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

TS-2149-B Sheet 2 of 2

Regulatory Information Appendix

3M Electronic Solutions Division/Interconnect

EUROPE

Appendix E1: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment, as amended by EU Commission Decision 2005/618/EC.

This product is RoHS Compliant 2005/95/EC.

"RoHS Compliant 2005/95/EC" means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under EU RoHS. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

Appendix E2: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment, as amended by EU Commission Decision 2005/618/EC.

This product contains lead in the compliant pin area in excess of the maximum concentration value allowed but is compliant by exemption under EU Commission Decision 2005/747/EC.

"RoHS Compliant 2005/95/EC" means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under EU RoHS. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

Appendix E3: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment as amended by Commission Decision 2005/618/EC.

This product contains lead in the solder tail area in excess of the maximum concentration value allowed.

Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

Appendix E4: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment, as amended by EU Commission Decision 2005/618/EC.

This product contains decaBDE in the insulating material in excess of the maximum concentration value allowed but is compliant by exemption under EU Commission Decision 2005/717/EC.

"RoHS Compliant 2005/95/EC" means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under EU RoHS. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

Appendix E5: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment, as amended by EU Commission Decision 2005/618/EC.

This product contains lead in excess of the maximum concentration value allowed but is compliant by exemption under Item 6 of the Annex to the Directive.

"RoHS Compliant 2005/95/EC" means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under EU RoHS. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

CHINA

Appendix C1: China RoHS



Electronic Industry Standard of the People's Republic of China, SJ/T11363-2006, Requirements for Concentration Limits for Certain Hazardous Substances in Electronic Information Products.

This symbol, per Marking for the Control of Pollution Caused by Electronic Information Products, SJ/T11364-2006, means that the product or part **does not** contain any of the following substances in excess of the following maximum concentration values in any homogeneous material: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

Appendix C2: China RoHS



Electronic Industry Standard of the People's Republic of China, SJ/T11363-2006, Requirements for Concentration Limits for Certain Hazardous Substances in Electronic Information Products.

This symbol, per Marking for the Control of Pollution Caused by Electronic Information Products, SJ/T11364-2006, means that the product or part **does** contain a substance, as detailed in the chart below, in excess of the following maximum concentration values in any homogeneous material: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

The numerical reference in the symbol above should not be construed as a representation regarding the product's life or an extension of a product warranty. The product warranty is stated below. In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the product Warranty stated below.

产品中有毒有害物质或元素的名称及含量 Name and Content of Hazardous Substances or Elements

部件名称	有毒有害物质或元素 (Hazardous Substances or Elements)								
(Part or Component Name)	铅(Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)			
端子镀层(contact plating)	×	0	0	0	0	0			

O:表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T11363-2006 标准规定的限量要求以下。(Indicates that this hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement in SJ/T11363-2006.)

^{×:}表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T11363-2006 标准规定的限量要求。(Indicates that this hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement in SJ/T11363-2006.)

Appendix C3: China RoHS

Electronic Industry Standard of the People's Republic of China, SJ/T11363-2006, Requirements for Concentration Limits for Certain Hazardous Substances in Electronic Information Products.

This symbol, per Marking for the Control of Pollution Caused by Electronic Information Products, SJ/T11364-2006, means that the product or part **does** contain a substance, as detailed in the chart below, in excess of the following maximum concentration values in any homogeneous material: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

The numerical reference in the symbol above should not be construed as a representation regarding the product's life or an extension of a product warranty. The product warranty is stated below. In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the product Warranty stated below.

产品中有毒有害物质或元素的名称及含量 Name and Content of Hazardous Substances or Elements

A HILL IN THE BUX AND THE NAME OF THE OFFICE OF THE BELL OF THE BE										
部件名称	有毒有害物质或元素(Hazardous Substances or Elements)									
(Part or Component Name)	铅(Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)				
合金(Metal alloy)	×	0	0	0	0	0				
	·		·							

〇:表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T11363-2006 标准规定的限量要求以下。(Indicates that this hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement in SJ/T11363-2006.)
※:表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T11363-2006 标准规定的限量要求。(Indicates that this hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement in SJ/T11363-2006.)

Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of 90 days from the time of purchase. 3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.



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