3M[™] Shrunk Delta Ribbon (SDR) Connectors

.80 mm Thru-Hole, Right Angle, Receptacle, Shielded

122 Series



- Wiper on wiper contact for reliable repetitive mating
- Ground lock for reliable PCB retention
- Full metal face for better EMI shielding effectiveness
- Contacts: 14, 26, 50
- On-board jacksockets maintains a secure connection
- 30μ" Au plate
- RoHS* compliant

TS-2124-02 Sheet 1 of 3

Date Modified: August 21, 2006

Physical

Insulation Material: PA9T
Flammability: UL 94V-0
Color: Black

Contact Material:Phosphor BronzePlating:Underplating:80μ" [2 μm] NickelWiping Area:30μ" [0.76μm] Au

Termination Area: 80μ" [2 μm] Tin IDC area

Shroud & Latch Hook Material: Steel

Plating: Nickel

Ground Lock Material: Phosphor Bronze

Plating: Tin

Lock Screw Material: Steel

Plating: Nickel

Alignment Plate Material: PPS

Flammability: UL 94V-0 Color: Black

Marking: 3M logo and part number

Electrical

Current Rating: 0.5 A

Insulation Resistance: $500 \text{ M}\Omega \text{ min at } @250 \text{ Vdc}$ **Withstanding Voltage:** 350 Vac for 1 minute

Environmental

Temperature Rating: -40°C to $+70^{\circ}\text{C}$

Process Rating: up to $+235^{\circ}$ C, Dip 5 ± 0.5 secs $(220^{\circ}$ C, $40 \sec \pm 0.5)$

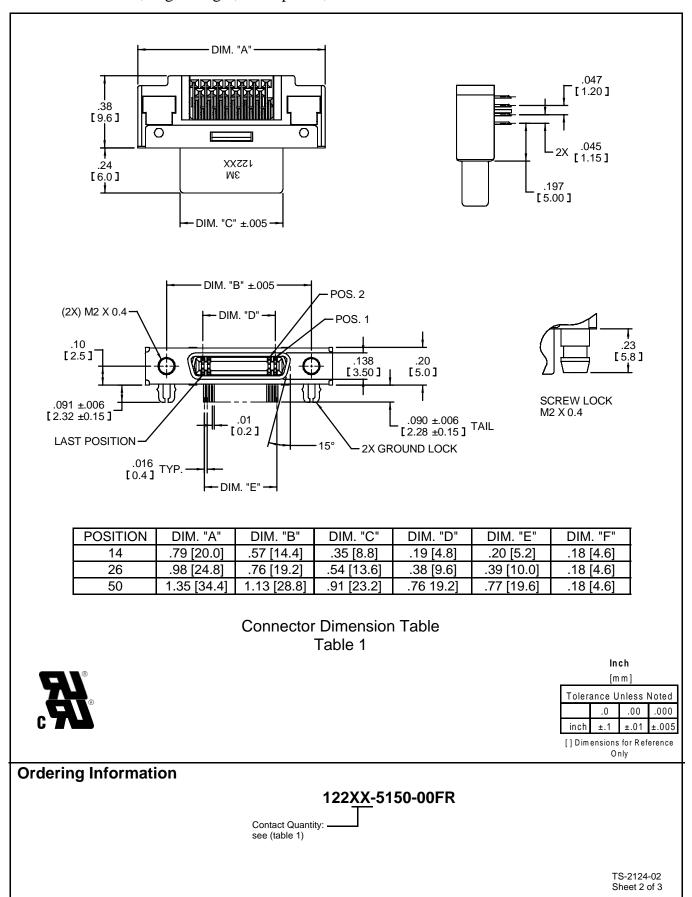
RoHS = Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment "RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material: (a) 0.1% (by weight) for each of lead, mercury, hexavalent chromium, polybrominated biphenylsor prolybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Lead, mercury,cadmium, or hexavalent chromium may be present in the product or part in an exempt application as listed in the Annex to the RoHS Directive.

UL File No.: E68080 (pending)

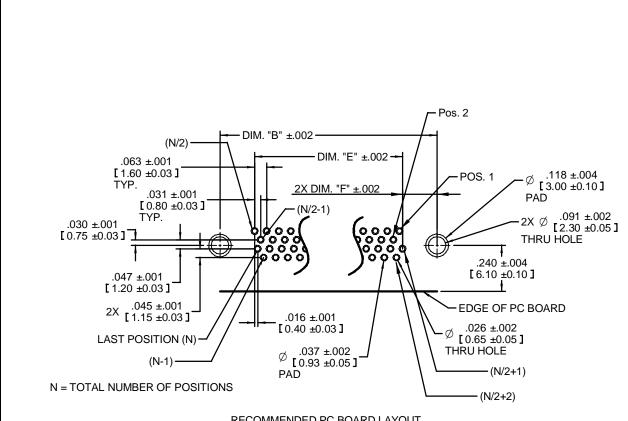
3M[™] Shrunk Delta Ribbon (SDR) Connectors

.80 mm Thru-Hole, Right Angle, Receptacle, Shielded

122 Series



122 Series



RECOMMENDED PC BOARD LAYOUT

POSITION	DIM. "X"	DIM. "Y"
14	.41 [10.5]	.57 [14.4]
26	.60 [15.3]	.76 [19.2]
50	.98 [24.9]	1.13 [28.8]

Recommended Panel Cut-Out Dimension Table Table - 2

> TS-2124-02 Sheet 3 of 3

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.



3M Electronics

6801 River Place Blvd. Austin, TX 78726-9000 800/225-5373 www.3M.com/electronics

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of one (1) year 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.



Minimum 10% Post-Consumer Fiber Printed in USA.

© 3M 2006