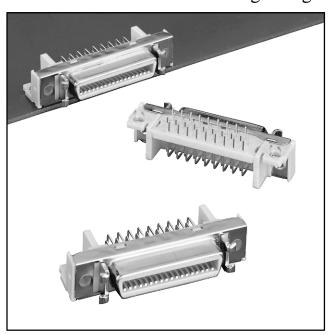
3M[™] Mini D Ribbon (MDR) Connectors

.050" Boardmount Thru-Hole Right Angle Receptacle — Shielded

102 Series



- Wiper-on-wiper contact for reliable repetitive plugging
- SMT compatible PCT insulator material
- Ground lock PCB retention
- Interface latch design for connection stability
- MDR digital LCD interface as a 20 or 26 contact connector
- Contacts: 14, 20, 26, 36, 40, 50 and 68

Date Modified: May 30, 2003

TS-0621-08 Sheet 1 of 3

Physical

Insulation

Material: Glass Reinforced Polyester (PCT)

Flammability: UL 94V-0

Color: See ordering information

Contact

Material: Copper Alloy (C521)

Plating

Underplating: See ordering information Wiping Area: See ordering information

Shroud & Latch Hook

Material: Steel Plating: Nickel

Ground Lock

Material: Copper Alloy Plating: Tin Lead

Marking: 3M Logo and Part Number

Electrical

Current Rating: 1 A

Insulation Resistance: $>5 \times 10^8 \Omega$ at 500 Vdc Withstanding Voltage: 500 Vrms for 1 Minute

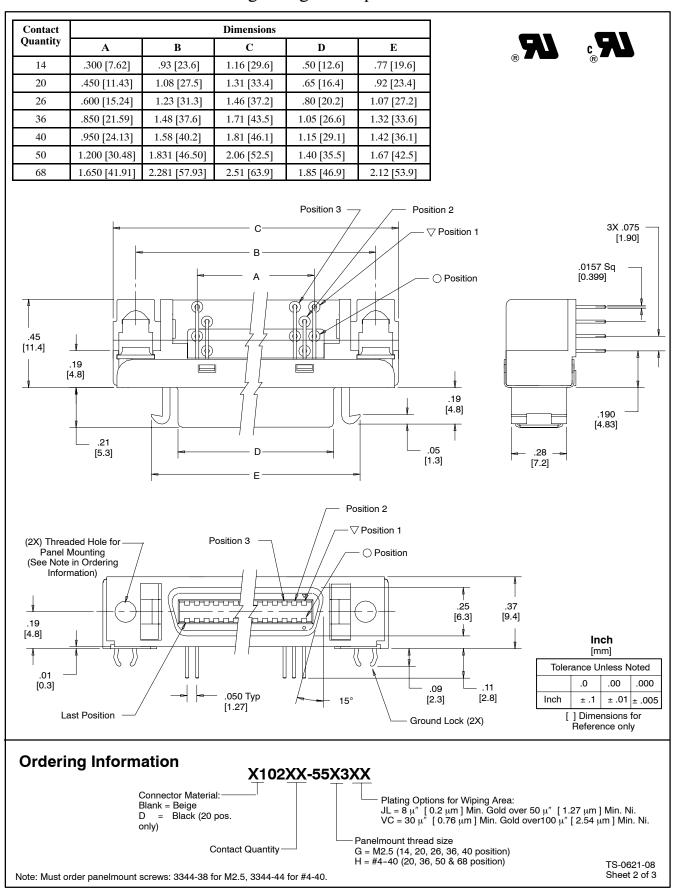
Environmental

Temperature Rating: -55°C to +105°C

Process Rating: Surface mount compatible up to 240°C peak for short durations.

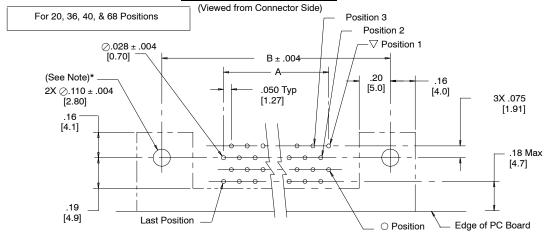
UL File No.: E68080

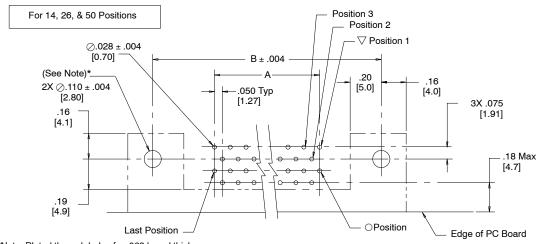
Interconnect Solutions



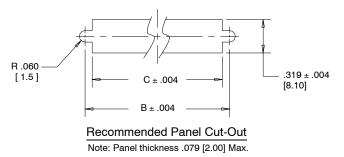
Contact Quantity	Dimensions		
	A	В	C
14	.300 [7.62]	.931 [23.64]	.78 [19.9]
20	.450 [11.43]	1.081 [27.45]	.94 [23.8]
26	.600 [15.24]	1.231 [31.26]	1.09 [27.6]
36	.850 [21.59]	1.481 [37.61]	1.33 [33.9]
40	.950 [24.13]	1.581 [40.15]	1.44 [36.5]
50	1.200 [30.48]	1.831 [46.50]	1.69 [42.8]
68	1.650 [41.91]	2.281 [57.93]	2.13 [54.2]

Recommended Board Layout





*Note: Plated through holes for .063 board thickness



TS-0621-08 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.

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of 1 year from the date 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 loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.



Electronic and Interconnect Solutions Division

6801 River Place Blvd. Austin, TX 78726-9000 www.3M.com/eisd