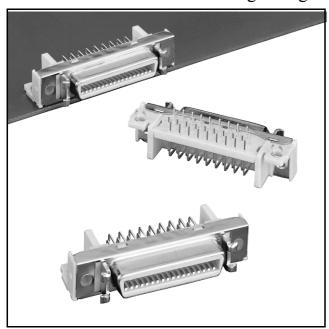
3M™ Mini D Ribbon (MDR) Connectors

.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
- RoHS* compliant version (-PL or -PC plating suffix) available

Date Modified: April 5, 2009

TS-0621-10 Sheet 1 of 3

Physical

Insulation

Material: Glass Reinforced Polyester (PBT

Flammability: UL 94V-0

Color: See ordering information

Contact Material: Copper Alloy (C521)

Plating

Underplating: See ordering information Wiping Area: See ordering information

Solder Tails: See ordering information

Shroud & Latch Hook

Material: Steel Plating: Nickel

Ground Lock

Material: Copper Alloy Plating: Matte tin

Marking: 3M Logo & 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 - max. temp. 240°-250°C for 10 seconds.

UL File No.: E68080

*RoHS = Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment

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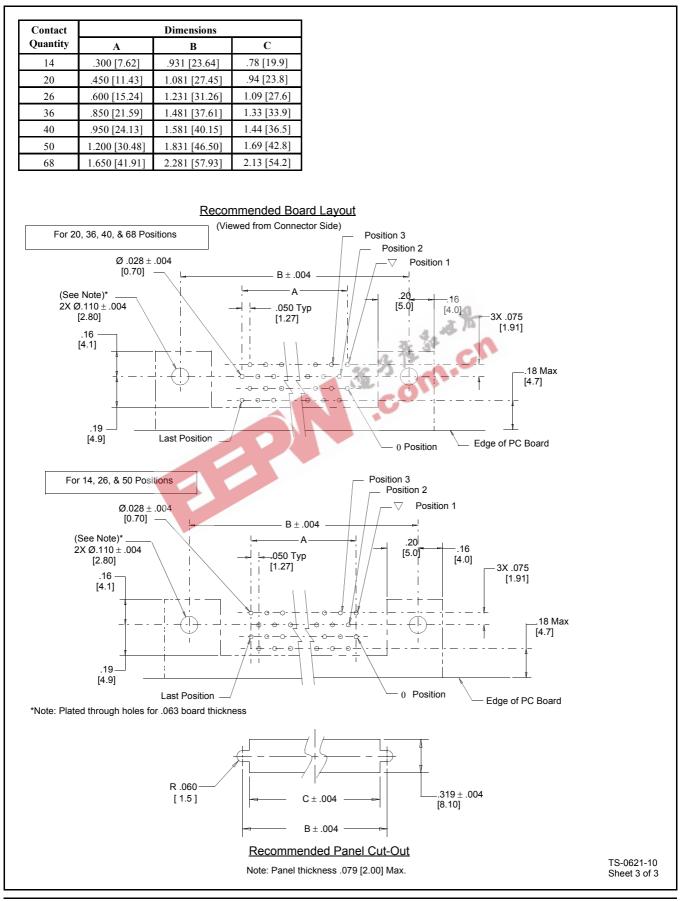
102 Series

Control Discovering							Inch			
Contact Quantity	Dimensions A B C D E					[m m]				
14	0.300 [7.62]	0.93 [23.6]	1.16 [29.5]	0.50 [12.6]	0.77 [19.5]	Tole	rance l	Jnless	Noted	
20	0.450 [11.43]	1.08 [27.5]	1.31 [33.4]	0.65 [16.4]	0.92 [23.4]		.0	.00	.000	
26	0.600 [15.24]	1.23 [31.3]	1.46 [37.2]	0.80 [20.2]	1.07 [27.2]	inch	±.1	±.01	±.005	
36	0.850 [21.59]	1.48 [37.6]	1.71 [43.5]	1.05 [26.6]	1.32 [33.5]	-	nension			
40	0.950 [24.13]	1.58 [40.2]	1.81 [46.1]	1.15 [29.1]	1.42 [36.1]	.,		nly		
50	1.200 [30.48]	1.83 [46.5]	2.06 [52.4]	1.40 [35.5]	1.67 [42.4]					
68	1.650 [41.91]	2.28 [57.9]	2.51 [63.8]	1.85 [46.9]	2.12 [53.8]					
Position 3 — Position 2 C — Position 1 3X .075 — [1.90]										
.45 [11.4] <u> </u> .19 [4.8]		A			Position		.0157		4	
	.21 [5.3]	D.			.19 [4.8]	28 - [7.2]		190 1.83]		
(2X) Threaded Hole Mounting (See Note in O Informatio	ordering—n)	Position 3 —		Position 2	<u> </u>	c	5	®		
.19 [4.8] .01 [0.3] Last Po			18	5° \	[6.3] [9 	37 9.4] 				
	·			— Gro	und Lock (2X)					
Ordering Information										
X102XX-55X3XX Connector Material: Wining area plating:										
	Blank = D = Bla	ctor Material:		L = 8 C = 3 Solo	ng area plating: $\mu'' [0.2 \mu m] Min.$ $\mu'' [0.76 \mu m] Mi$ Her tail plating: V = tin-lead over Nicks	in. Gold over100	[1.27 μ μ"[2.5	um] Mir 4 μm] l	n. Ni. Min. Ni.	
P = flash gold over Ni (RoHS compliant) Panelmount thread size: G = M2.5 (14, 20, 26, 36, 40 position) TS-0621-1 Note: Must order panelmount screws: 3344-38 for M2.5, 3344-44 for #4-40. H = #4-40 (20, 36, 50 & 68 position) Sheet 2 of										

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