

# .050" Mini D Ribbon (MDR) Connectors

IDC Wiremount Panelmount Receptacle — Shielded

102XX-0210EC Series



- IDC wiremount shielded I/O Panelmount receptacle
- Ribbon type contact — industry preferred
- Reliable repetitive plugging/unplugging
- Latch design for easy use
- Accepts a wide variety of cable types including flat .050" and .025", shielded flat, round and twisted pair
- IEEE 1284 interface — 36 position
- Positions: 20, 26, 36, 40, 50 and 68

Date Modified: February 19, 1999

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## Physical

### Insulation

Material: Glass Reinforced Polyester (PBT)

Flammability: UL 94V-0

Color: Black

### Contact

Material: Beryllium Copper (C172)

Plating

Underplate: 80  $\mu$ " (2.0  $\mu$ m) Nickel — QQ-N-290, Class 2

Wiping Area: 30  $\mu$ " (0.76  $\mu$ m) Min Gold — MIL-G-45204, Type II, Grade C

### Body

Material: Zinc Alloy

Plating: Nickel

### Shroud

Material: Steel

Plating: Nickel

**Wire Accommodation:** 28 AWG Stranded, 30 AWG Solid

**Marking:** 3M Logo and Part Identification Number

## Electrical

**Current Rating:** 1 A

**Insulation Resistance:**  $> 5 \times 10^8 \Omega$

**Withstanding Voltage:** 500 Vrms for 1 Minute

## Environmental

**Temperature Rating:**  $-20^\circ\text{C}$  to  $+85^\circ\text{C}$

UL File No.: E68080

### 3M Interconnect Solutions Division

6801 River Place Blvd.  
Austin, TX 78726-9000

For technical, sales or ordering information call  
**800-225-5373**

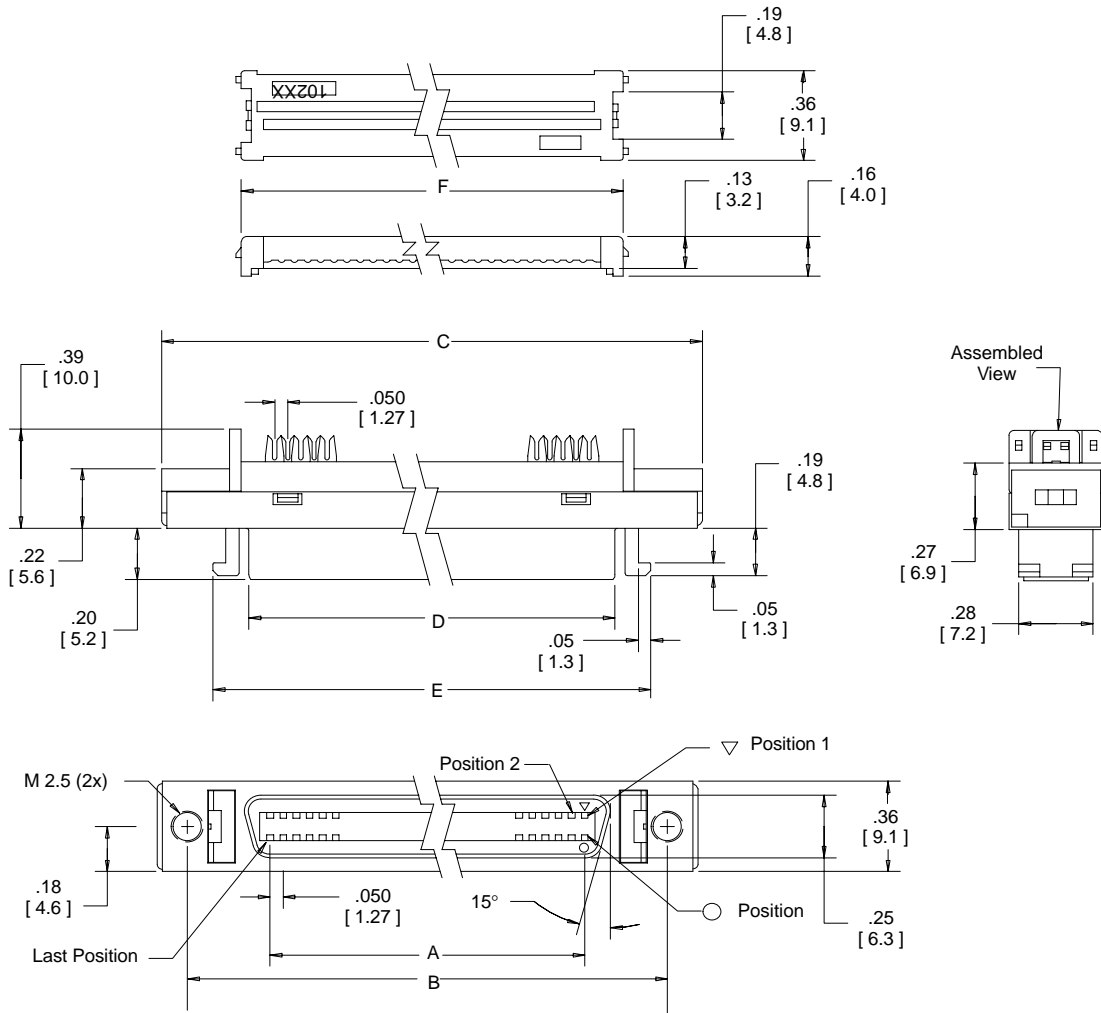
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## IDC Wiremount Panelmount Receptacle — Shielded

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Contact Quantity	Dimensions						
	A	B	C	D	E	F	G
20	.450 [ 11.43 ]	1.081 [ 27.45 ]	1.31 [ 33.4 ]	.65 [ 16.4 ]	.92 [ 23.4 ]	.71 [ 18.0 ]	.94 [ 23.8 ]
26	.600 [ 15.24 ]	1.231 [ 31.26 ]	1.46 [ 37.2 ]	.80 [ 20.2 ]	1.07 [ 27.2 ]	.86 [ 21.8 ]	1.09 [ 27.6 ]
36	.850 [ 21.59 ]	1.481 [ 37.61 ]	1.71 [ 43.5 ]	1.05 [ 26.6 ]	1.32 [ 33.5 ]	1.11 [ 28.1 ]	1.33 [ 33.9 ]
40	.950 [ 24.13 ]	1.581 [ 40.15 ]	1.81 [ 46.1 ]	1.15 [ 29.1 ]	1.42 [ 36.1 ]	1.21 [ 30.7 ]	1.44 [ 36.5 ]
50	1.200 [ 30.48 ]	1.831 [ 46.50 ]	2.06 [ 52.4 ]	1.40 [ 35.5 ]	1.67 [ 42.4 ]	1.46 [ 37.0 ]	1.69 [ 42.8 ]
68	1.650 [ 41.91 ]	2.281 [ 57.93 ]	2.51 [ 63.8 ]	1.85 [ 46.9 ]	2.12 [ 53.8 ]	1.91 [ 48.4 ]	2.13 [ 54.2 ]



Inch [mm]			
Tolerance Unless Noted			
	.0	.00	.000
Inch	± .1	± .01	± .005

[ ] Dimensions for Reference only

### Ordering Information

**102XX-0210EC**

Contact Quantity  
(See Table)

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Sheet 2 of 2

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