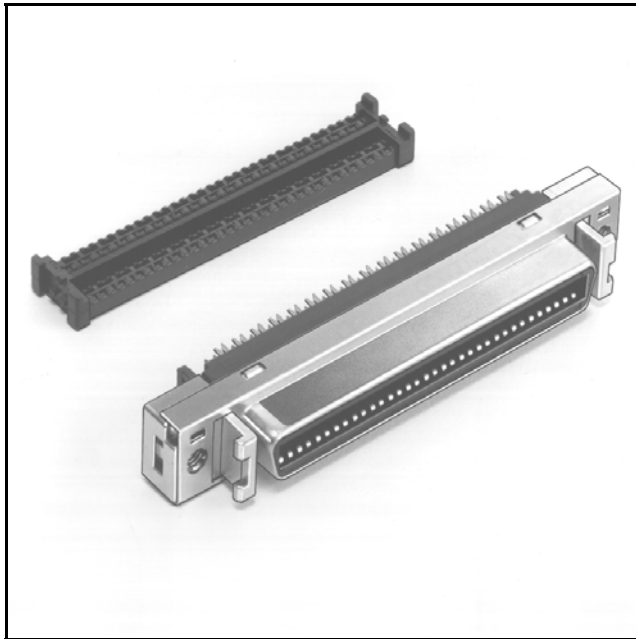


3M™ Mini D Ribbon (MDR) Connectors

.050" IDC Wiremount Panelmount Receptacle - Shielded

102 Series



- Wiper-on-wiper contact for reliable repetitive plugging
- IEEE 1284C Interface as a 36 contact connector
- Interface latch design for connection stability
- Accepts a wide variety of cable constructions including flat, shielded flat and twisted pair cables
- Contacts: 20, 26, 36, 40, 50 and 68
- RoHS* compliant

Date Modified: February 8, 2005

TS-0425-12
Sheet 1 of 2

Physical

Insulation

Material: Glass Reinforced Polyester (PBT)

Flammability: UL 94V-0

Color: Black

Contact

Material: Beryllium Copper (C172)

Plating

Underplating: 80 μ" (2.0 μm) Nickel - QQ-N-290, Class 2

Wiping Area: 30 μ" (0.76 μm) 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 & Part Number

Electrical

Current Rating: 1 A

Insulation Resistance: $> 1 \times 10^8 \Omega$ at 500 VDC

Withstanding Voltage: 500 Vrms for 1 Minute

Environmental

Temperature Rating: -20°C to +85°C

UL File No.: E68080 *RoHS = Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment

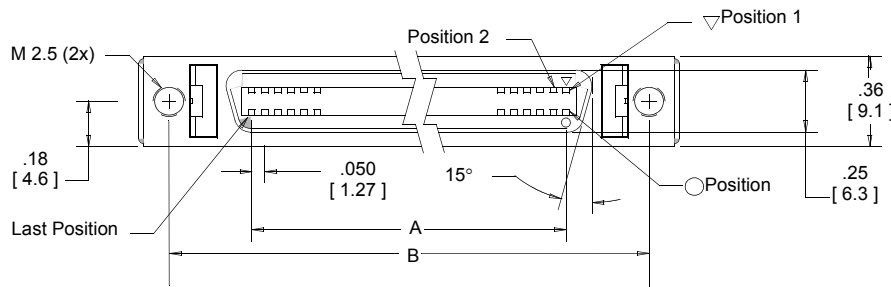
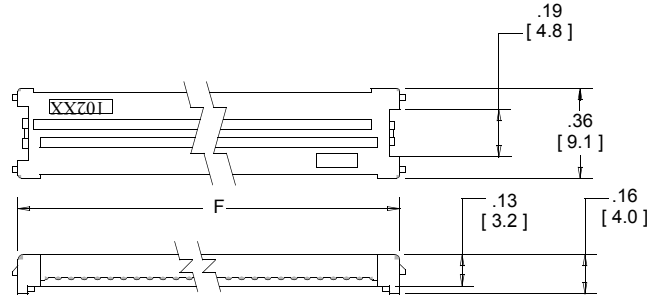
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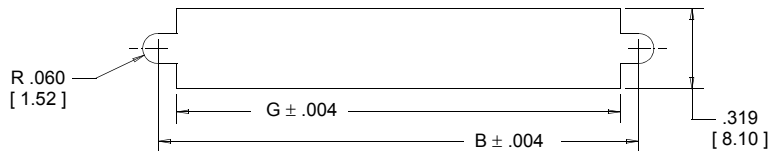
102 Series



| 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] |



Recommended Panel Cut-Out



Note: Panel Thickness .079 [2.00] max.

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

[] Dimensions for Reference Only

Ordering Information

102XX-0210EC

Contact Quantity
(See Table)

Application tools: 10951 Assembly Press and 10952 Cable Cutter.

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Sheet 2 of 2

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Electronic Solutions Division

6801 River Place Blvd.
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- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.