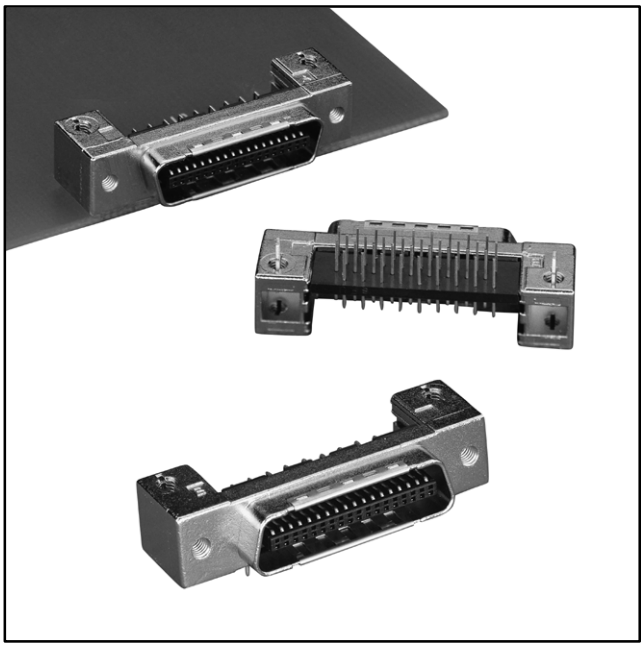
3M™ Mini D Ribbon (MDR) Connectors

.050″ Boardmount Thru-Hole Right Angle Plug — Shielded 101 Series



- Wiper-on-wiper contact for reliable repetitive plugging
- Rugged die cast metal case construction
- Screw or ground lock PCB retention
- Normal and reverse “D” interface options for board to board flexibility
- IEEE 1284C Interface as a 36 contact connector
- Contacts: 20, 26, 36 and 50

Date Modified:May 30, 2003

Physical

Insulation
Material: Glass Reinforced Polyester (PCT) – Body
Glass Reinforced Polyester (PBT) – Alignment Plate
Flammability: UL 94V-0
Color: Black

Contact
Material: Copper Alloy (C521)

Plating
Underplating: 80 μ″ (2.54 μm) Nickel — QQ-N-290, Class 2
Wiping Area: 30 μ″ (0.76 μm) Min Gold — MIL-G-45204, Type II, Grade C

Body
Material: Zinc Alloy
Plating: Nickel

Ground Plate
Material: Copper Alloy (C521)
Plating: Nickel

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

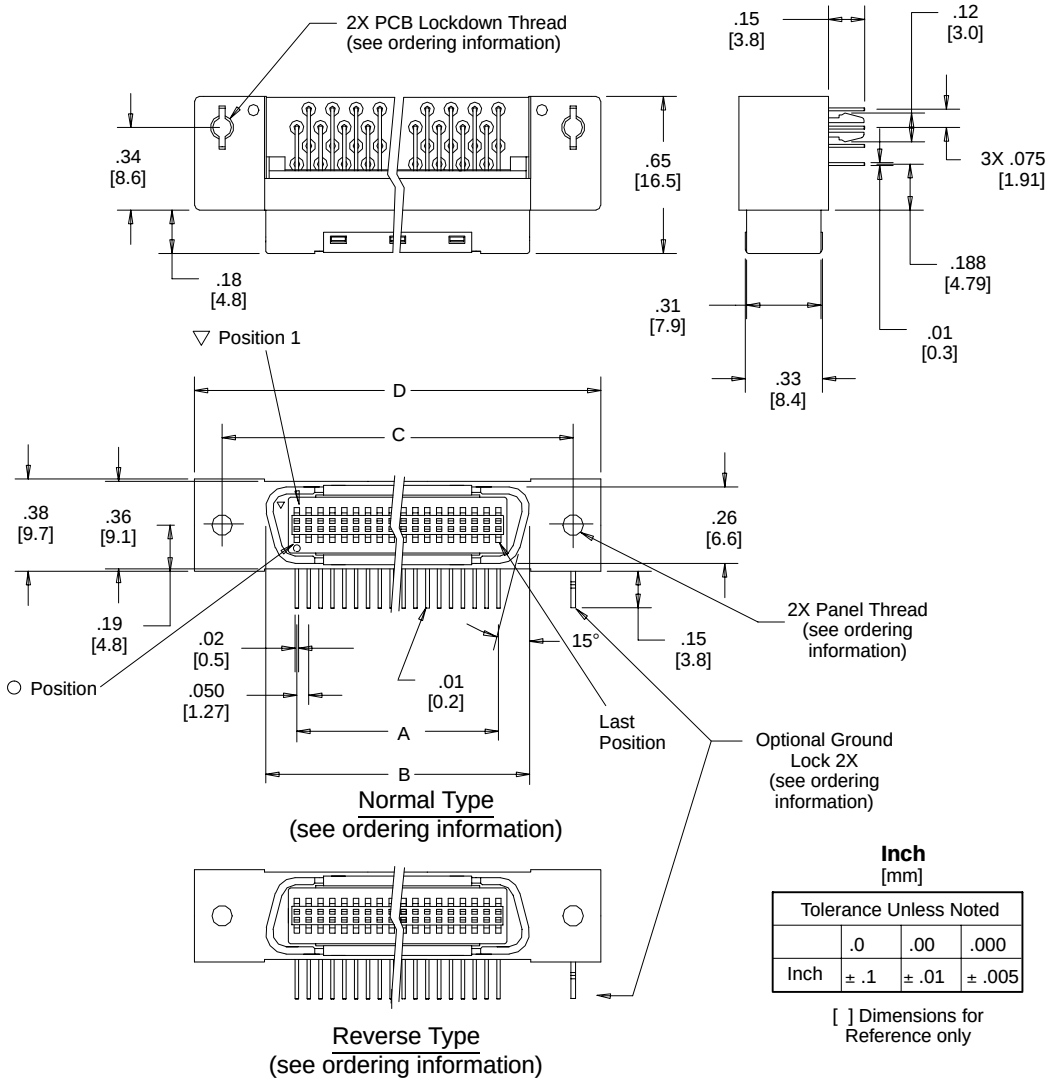
Temperature Rating: –20°C to +85°C

UL File No.: E68080

3M is a trademark of 3M Company.

3M™ Mini D Ribbon (MDR) Connectors
.050″ Boardmount Thru-Hole Right Angle Plug — Shielded 101Series

Contact Quantity	Dimensions			
	A	B	C	D
20	.450 [11.43]	.71 [18.1]	1.081 [27.45]	1.31 [33.3]
26	.600 [15.24]	.87 [22.0]	1.231 [31.26]	1.46 [37.2]
36	.850 [21.59]	1.11 [28.3]	1.481 [37.61]	1.71 [43.5]
50	1.200 [30.48]	1.46 [37.2]	1.831 [46.5]	2.06 [52.4]



Inch
[mm]

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

[ ] Dimensions for
Reference only

Ordering Information

101XX-X2X2VC

Contact Quantity

Mounting Feature
5 = Boardmount Right Angle Normal Type
7 = Boardmount Right Angle Reverse Type

Panel/Board Retention Feature
20, 26, 36 pos:
1 = M2.5 panel/M2.5 screw lock
B = M2.5 panel/ground lock 50 pos:
4 = 4–40 panel/4–40 screw lock
E = 4–40 panel/ground lock

3M
Interconnect Solutions
http://www.3M.com/interconnects/

3M is a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373

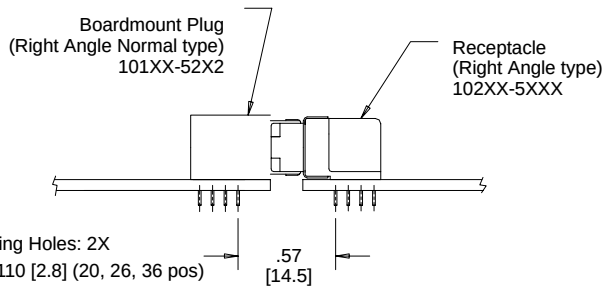
3M™ Mini D Ribbon (MDR) Connectors

.050″ Boardmount Thru-Hole Right Angle Plug — Shielded 101 Series

Contact Quantity	Dimensions		
	A	B	C
20	.450 [11.43]	1.081 [27.45]	.93 [23.7]
26	.600 [15.24]	1.231 [31.26]	1.08 [27.5]
36	.850 [21.59]	1.481 [37.61]	1.33 [33.9]
50	1.200 [30.48]	1.831 [46.50]	1.685 [42.80]

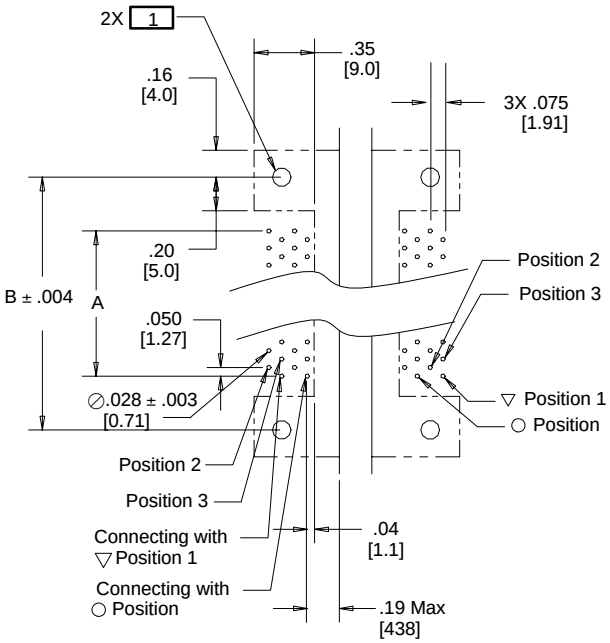
Recommended Board Layout (Normal Type Plug)

(Plug viewed from connector side; receptacle viewed from bottom side)

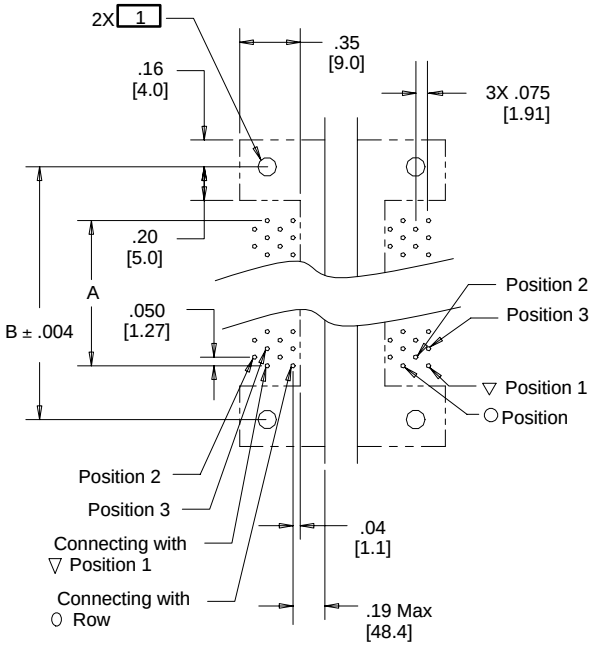


1 PC Boardmounting Holes: 2X
Screw Lock ⊘ .110 [2.8] (20, 26, 36 pos)
Ground Lock ⊘ .100 [2.6]
Screw Lock ⊘ .120 [3.0] (50 pos)

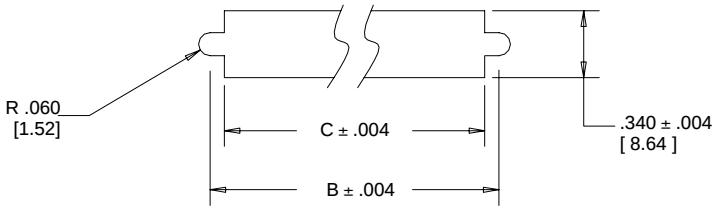
For 20 & 36 Position only



For 26 & 50 Position only



Note: Plated through holes for .062″ board thickness



Recommended Panel Cut-Out

Note: Panel thickness .079 [2.00] Max.

TS-0620-07
Sheet 3 of 4

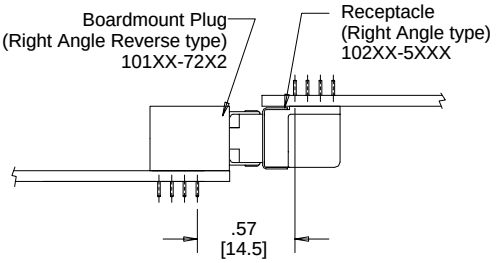
3M is a trademark of 3M Company.

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

Contact Quantity	Dimensions	
	A	B
20	.450 [11.43]	1.081 [27.45]
26	.600 [15.24]	1.231 [31.26]
36	.850 [21.59]	1.481 [37.61]
50	1.200 [30.48]	1.831 [46.50]

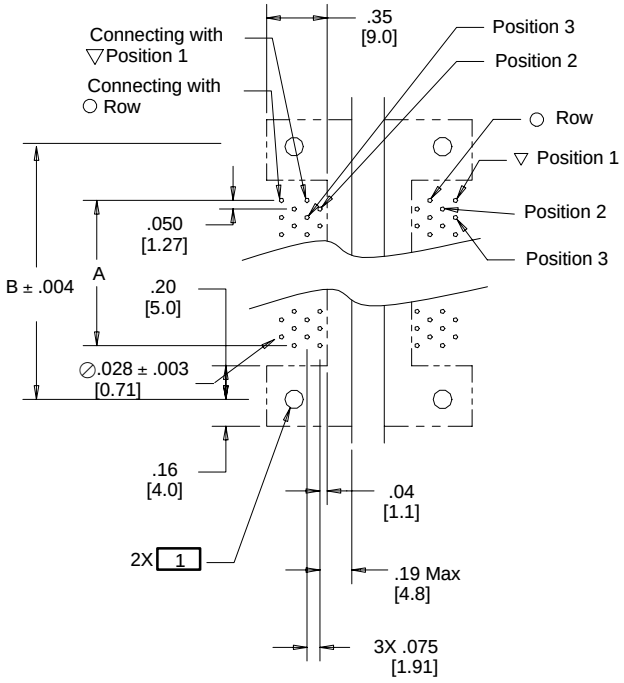
Recommended Board Layout (Reverse Plug)

(Plug viewed from Connector side Receptacle viewed from bottom side)

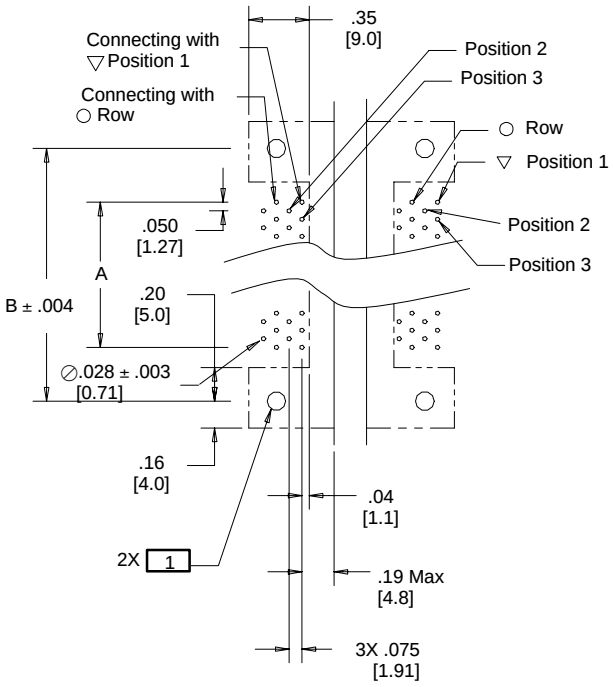


1 PC Boardmounting Holes: 2X
Screw Lock ⊘ .110 [2.8] (20, 26, 36 pos)
Ground Lock ⊘ .100 [2.6]
Scre Lock ⊘ .120 [3.0] (50 pos)

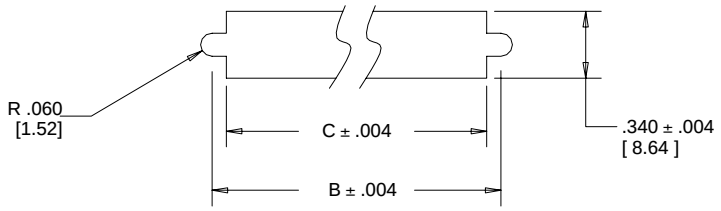
For 20 & 36 Position only



For 26 & 50 Position only



Note: Plated through holes for .062” board thickness



Recommended Panel Cut-Out

Note: Panel thickness .079 [2.00] Max.

TS-0620-07
Sheet 4 of 4

3M is a trademark of 3M Company.

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.**

3M

Electronic and Interconnect Solutions Division

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

© 3M 2003

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:
moschip.ru
moschip.ru_4
moschip.ru_6
moschip.ru_9