

# Micro-D Coaxial/Power - .050" Contact Spacing

# MDM C/P



## MDM Coaxial

The MDM Metal Shell Connectors have been tooled in several coaxial layouts and offer the versatility of combining coaxial and signal lines in the same connector. Any modifications to these layouts or new requirements, please consult the factory. Standard coax is RG178 white.

## MDM Power

The same insulator that is used with coaxial contacts is available with power contacts. This offers the versatility of combining power and signal lines in the same connector.

## MDM Coaxial/Power

Power and coaxial contacts can be interchanged as desired. Power contacts are rated at 13 amps, 24V rms, AWG #16 stranded.

## How to Order

For MIL-DTL-83513 ordering information see pages 16 and 17

### SERIES

MDM: (Size 9-100) Liquid Crystal Polymer (LCP)  
MDM: (Combo Layout) Diallyl Phthalate (DAP)

### CONTACT ARRANGEMENTS

9-15-21-25-31-37-51-100 (standard)  
16C5, 10C10, 7C2, 24C4 (coaxial)  
16P5, 10P10, 7P2, 24P4 (power) } or combination of  
coax and power

### CONTACT TYPE

P - Pin S - Socket

### TERMINATION TYPE

H - Harness-insulated wire.  
L - Solid-uninsulated wire.  
S - Solder pot to accept #26 AWG MAX. harness wire. (Not available with power contact arrangements.)

### HARDWARE

M - Military specification hardware, see page 11 for military hardware codes.  
P - Jackpost  
K - Jackscrew-standard profile  
L - Jackscrew-low profile



RoHS COMPLIANCE

SERIES

CONTACT ARRANGEMENTS

CONTACT TYPE

TERMINATION TYPE

TERMINATION CODE

HARDWARE

SHELL FINISH MOD CODES

F - Float mount

B - No hardware standard

.091 (2.31) dia. hole for sizes 9-51;  
.120 (3.05) dia. hole for size 100.

A - .125 (3.18) dia. mounting holes for sizes 9-51;  
.166 (4.22) dia. hole for size 100.

B1 - .1475 (3.75) dia. hole for size 100  
(Per MIL-DTL-83513)

### TERMINATION CODE\*

(H) 001 - 18", 7/34 strand, #26 AWG,  
MIL-W-16878/4, Type E Teflon, yellow.

(H) 003 - 18", 7/34 strand, #26 AWG,  
MIL-W-16878/4, Type E Teflon,  
color coded to MIL-STD-681 System I.

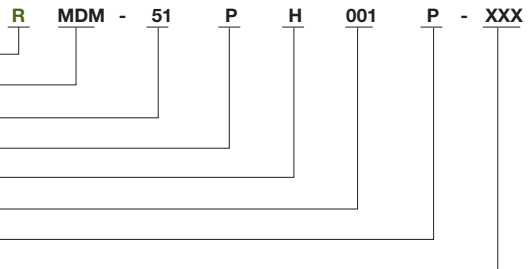
(L) 1 - 1/2" uninsulated solid #25  
AWG gold plated copper.

(L) 2 - 1" uninsulated solid #25 AWG  
gold plated copper.

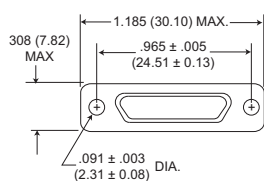
### SHELL FINISH MOD CODES

No Number - (Standard cadmium/yellow  
chromate over nickel  
A174 - Electroless nickel  
A172 - Gold over nickel  
A141 - Iridite/alodine  
A30 - Black anodize

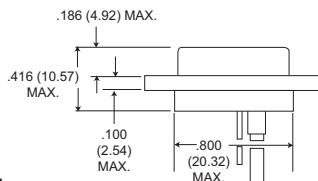
\*See page 79 and 81 for additional Termination codes.



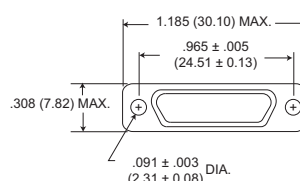
## 7C2/7P2



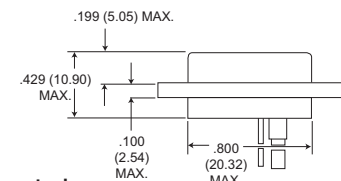
Plug



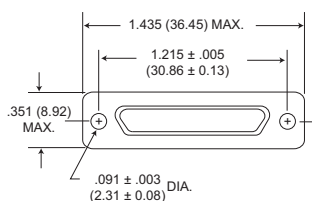
Receptacle



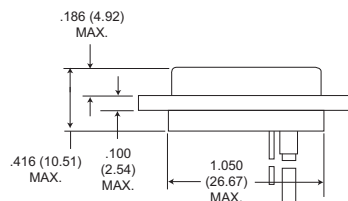
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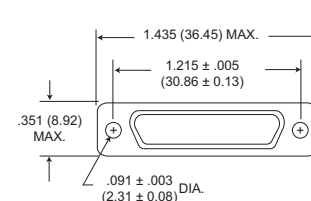
## 24C4/24P4



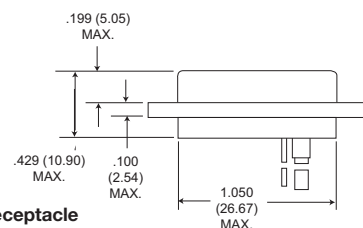
Plug



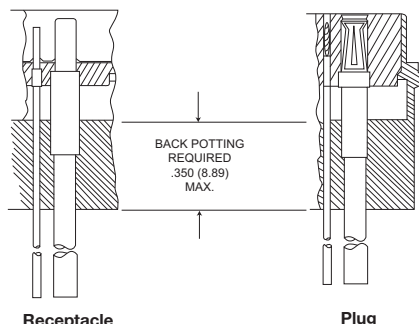
Receptacle



Receptacle



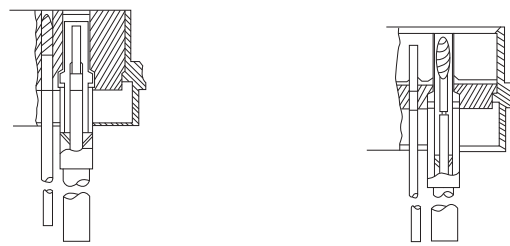
## Power Contacts



Receptacle

Plug

## Coaxial Contacts



Plug

Receptacle



Dimensions shown in inch (mm)  
Specifications and dimensions subject to change

www.ittcannon.com