

INTRODUCTION:

Adam Tech MDJ Series Mini DIN Jacks continue to be a popular, high density, low cost, low profile interconnect solution. Available in a multitude of styles and configurations, they are able to satisfy a broad range of applications. This series offers jacks in 3 thru 9 positions with straight, right angle or panel mounting and offers choice of four different shielding and panel grounding options. Color-coded jacks for port identification are also available. Adam Tech's special contact design offers a high reliability connection with extremely low contact resistance.

FEATURES:

- Wide Range of Styles
- Right Angle, Straight and Panel Mount types
- Shielding Options for EMI/RFI suppression
- Color-Coded versions

MATING PLUGS:

All industry standard circular Mini DIN plugs.

SPECIFICATIONS:

Material:

Standard insulator: PBT glass filled, rated UL94V-0
 Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
 Insulator Color: Black standard, custom colors available
 Contacts: Phosphor Bronze
 Shield: Copper Alloy, Tin Plated

Contact Plating:

Gold over Nickel underplate on contact area, tin over Copper underplate on tails

Electrical:

Operating voltage: 100V AC / 12V DC max.
 Current rating: 1 Amp max. / 2 Amps max
 Contact resistance: 20 mΩ max. initial
 Insulation resistance: 500 MΩ min.
 Dielectric withstanding voltage: 500V AC for 1 minute

Mechanical:

Insertion force: 9.9 lbs max.
 Withdrawal force: 0.8 lbs min
 Mating durability: 5000 cycles min.

Temperature Rating:

Operating temperature: -55°C to +105°C
 Soldering process temperature:
 Standard insulator: 235°C
 Hi-Temp insulator: 260°C

PACKAGING:

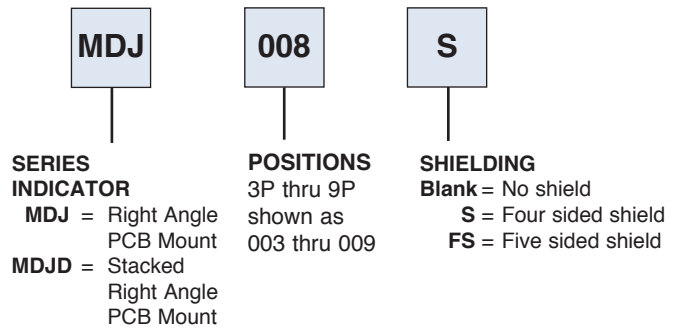
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

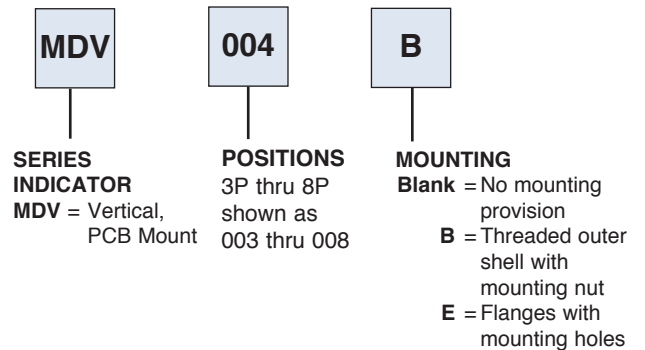
UL Recognized & CSA Certified, File no. E224053



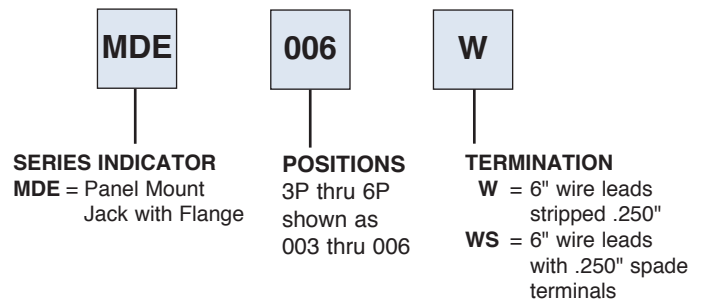
**ORDERING INFORMATION
RIGHT ANGLE MOUNT**



VERTICAL MOUNT



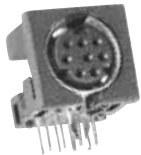
PANEL MOUNT



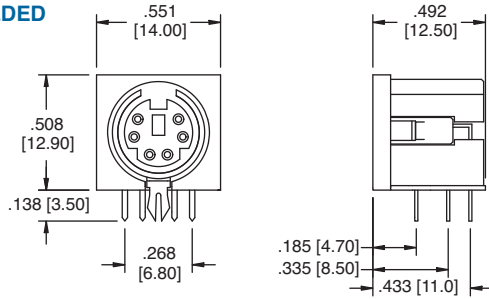
OPTIONS:

- Add designator(s) to end of part number
- RT = PC board retention feature. On shielded units, crimped shield legs. On non-shielded units, forked grounding pin.
- PG = Spring panel ground
- PG4 = Four finger panel ground
- HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C
- TGBP = Top port color Green / Bottom port color Purple

**MDJ SERIES
MINI DIN JACK-UNSHIELDED**



MDJ-008



MATING FACE CONFIGURATIONS

3 Position



4 Position



5 Position



6 Position



7 Position



8 Position



9 Position



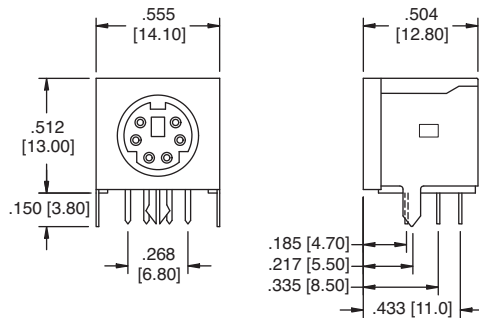
9A Position



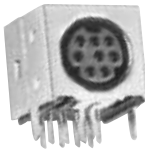
**MDJ SERIES
MINI DIN JACK WITH
FOUR SIDED SHIELD**



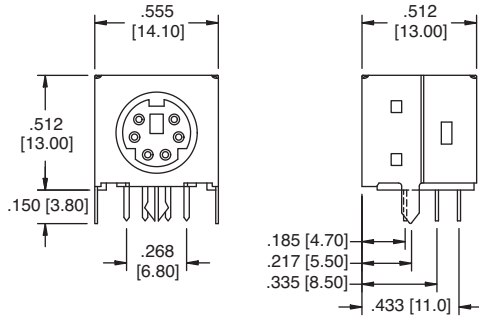
MDJ-009-S



**MDJ SERIES
MINI DIN JACK
FULLY SHIELDED**



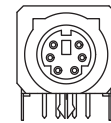
MDJ-008-FS



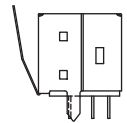
PANEL GROUND OPTIONS



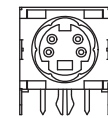
MDJ-009-FS-PG



Spring Panel Ground

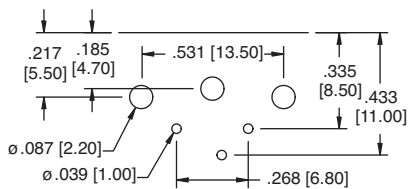


MDJ-008-FS-PG4



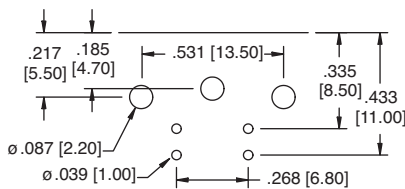
Four Finger Panel Ground

PCB EDGE



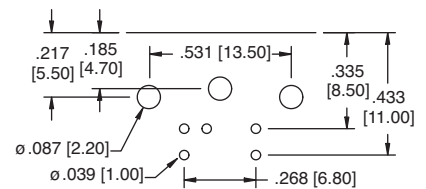
3 Position

PCB EDGE



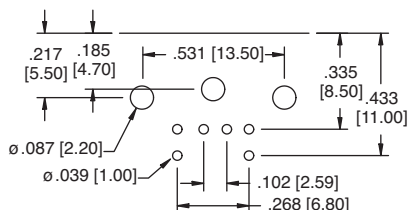
4 Position

PCB EDGE



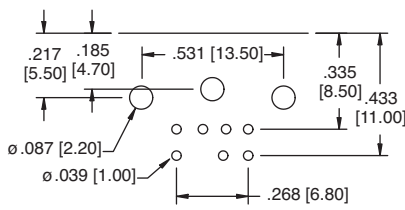
5 Position

PCB EDGE



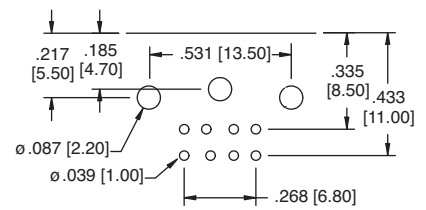
6 Position

PCB EDGE

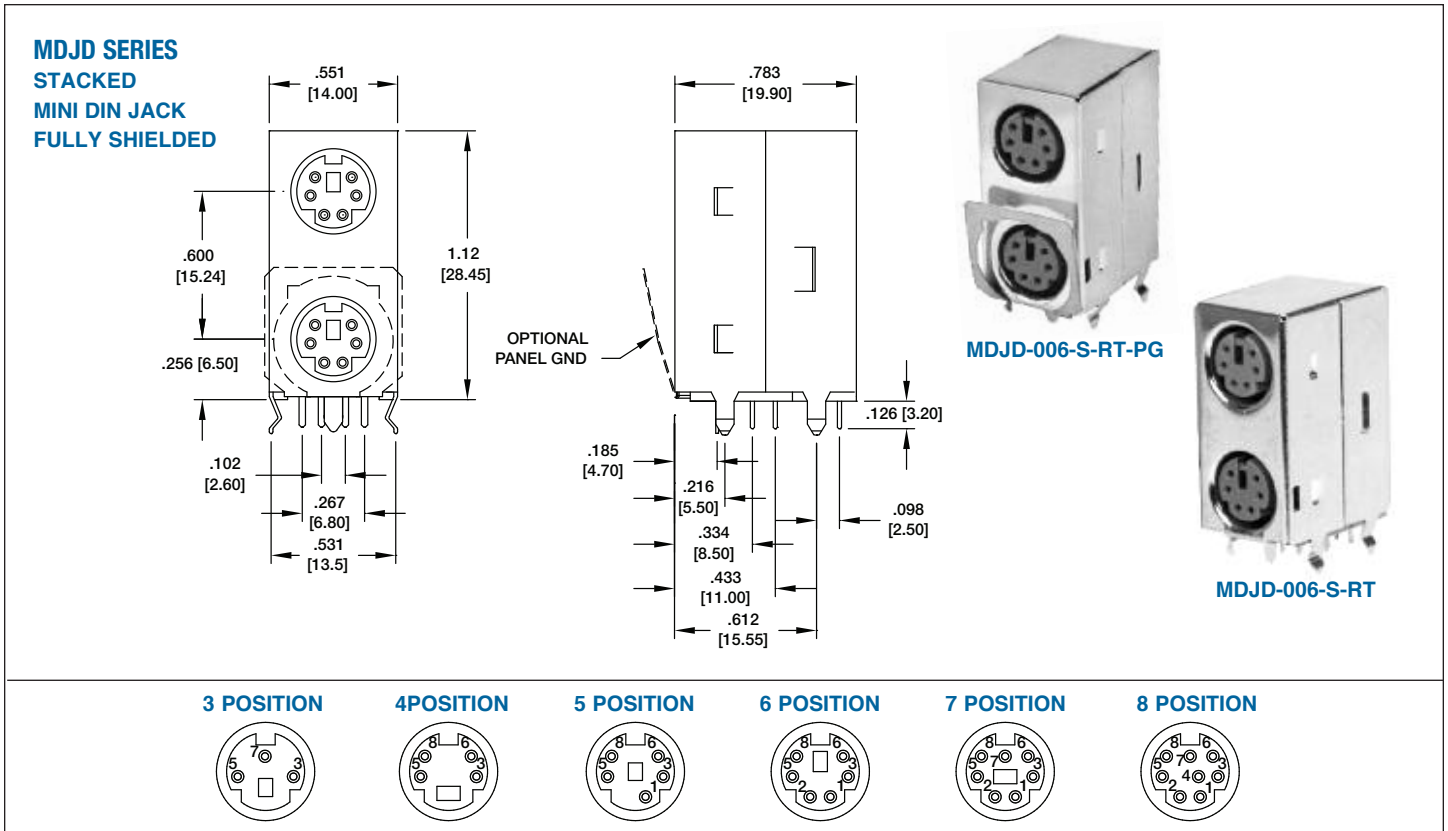


7 Position

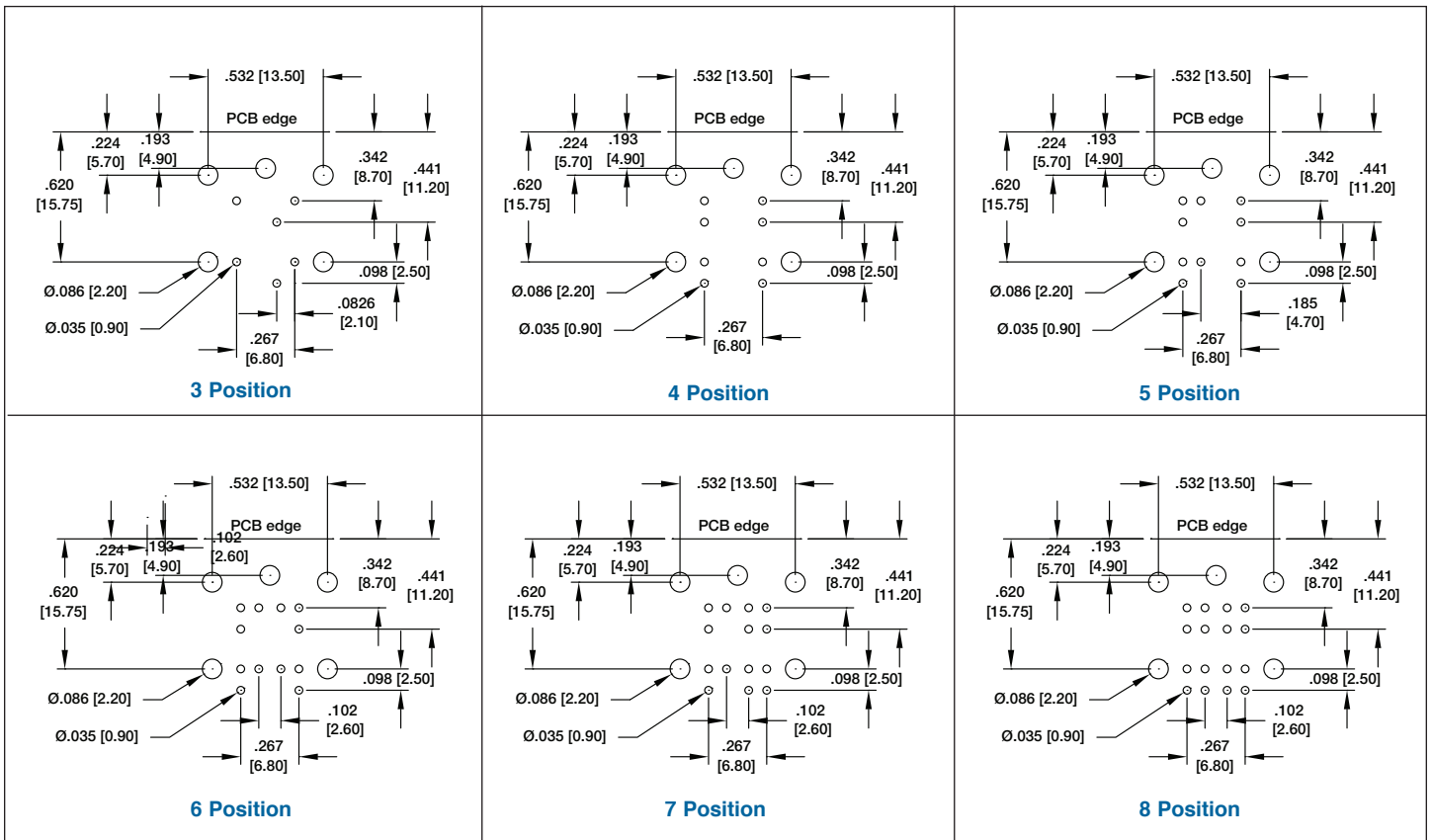
PCB EDGE



8 Position



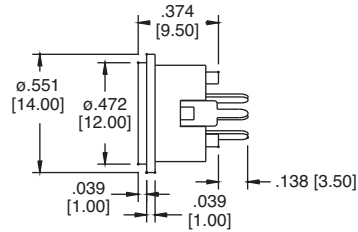
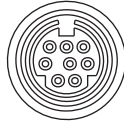
Recommended PCB Layout



**MDV SERIES
VERTICAL MINI DIN JACK**



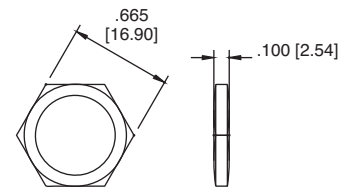
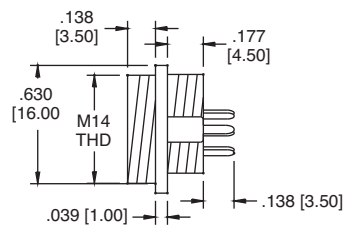
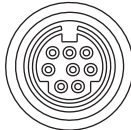
MDV-008



**MDV SERIES
VERTICAL MINI DIN JACK
WITH THREADED SHELL**

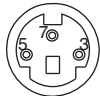


MDV-005-B

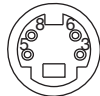


**MATING
FACE
CONFIGURATIONS**

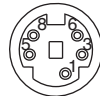
3 POSITION



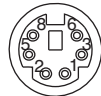
4 POSITION



5 POSITION



6 POSITION



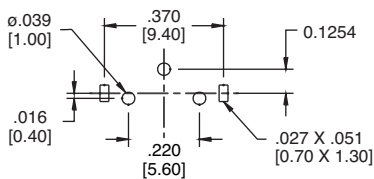
7 POSITION



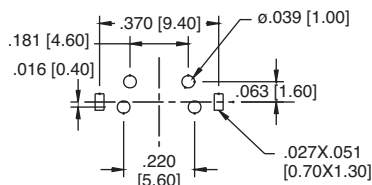
8 POSITION



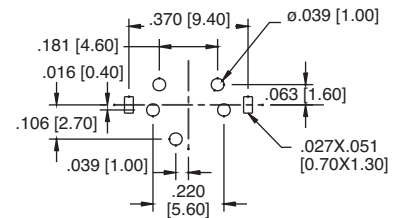
Recommended PCB Layouts



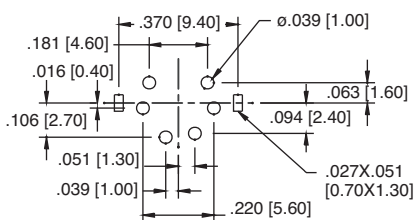
3 Position



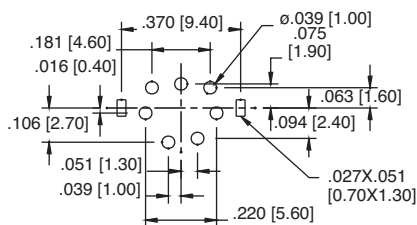
4 Position



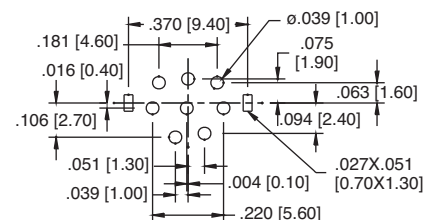
5 Position



6 Position



7 Position



8 Position