

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

MDJ	008	S
SERIES INDICATOR MDJ = Right Angle PCB Mount MDJD = Stacked Right Angle PCB Mount	POSITIONS 3P thru 9P shown as 003 thru 009	SHIELDING BLANK = No shield S = Four sided shield FS = Five sided shield

VERTICAL MOUNT

MDV	004	B
SERIES INDICATOR MDV = Vertical, PCB Mount	POSITIONS 3P thru 8P shown as 003 thru 008	MOUNTING BLANK = No mounting provision B = Threaded outer shell with mounting nut E = Flanges with mounting holes

PANEL MOUNT

MDE	006	W
SERIES INDICATOR MDE = Panel Mount Jack with Flange	POSITIONS 3P thru 6P shown as 003 thru 006	TERMINATION W = 6" wire leads stripped .250" WS = 6" wire leads with .250" spade terminals

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

