

### INTRODUCTION:

Adam Tech DJ Series Circular DIN Jacks continue to be a popular interface for many applications. They are especially suitable for applications that require reliable transfer of low level signals. Available in a wide selection of positions they feature a choice of an all plastic body or a plastic body with metal face shield. Mounting selections include Right Angle or Vertical PCB mount and Panel Mount with or without mounting flange. Adam Tech DJ series jacks features an exclusive high reliability contact design which utilizes a dual wipe, extended fork contact. The jacks overall contact area is increased primarily in the mating area which helps maintain a constant contact pressure for superior electrical performance.

### FEATURES:

Wide range of styles  
Offered in 3 thru 13 positions  
Standard and shielded versions available  
Excellent for Low Level signal applications

### MATING PLUGS:

All industry standard circular DIN plugs.

### SPECIFICATIONS:

#### Material:

Standard insulator: PBT glass filled, rated UL94V-0  
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0  
Insulator Color: Black  
Contacts: Brass  
Shield: Copper Alloy, Bright Nickel plated

#### Contact Plating:

Tin over Copper underplate overall

#### Electrical:

Operating voltage: 20V DC max.  
Current rating: 2 Amps max  
Contact resistance: 20 mΩ max. initial  
Insulation resistance: 500 MΩ min.  
Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

Insertion force: 15 lb max.  
Withdrawal force: 0.8 lb min  
Mating durability: 5000 cycles min.

#### Temperature Rating:

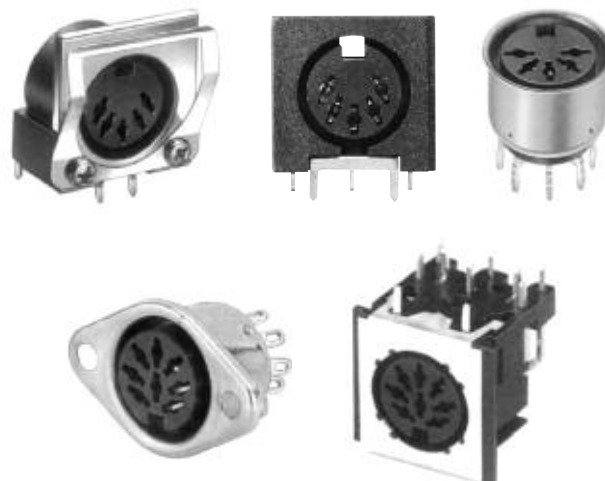
Operating temperature: -55°C to +85°C  
Soldering process temperature:  
Standard insulator: 235°C  
Hi-Temp insulator: 260°C

### PACKAGING:

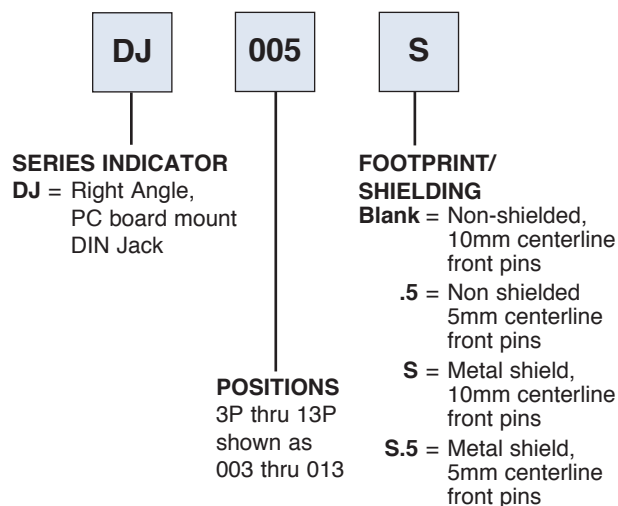
Anti-ESD plastic trays

### APPROVALS AND CERTIFICATIONS:

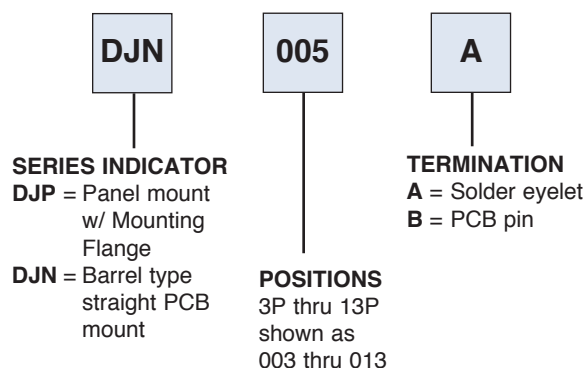
UL Recognized & CSA Certified, File no. E224053



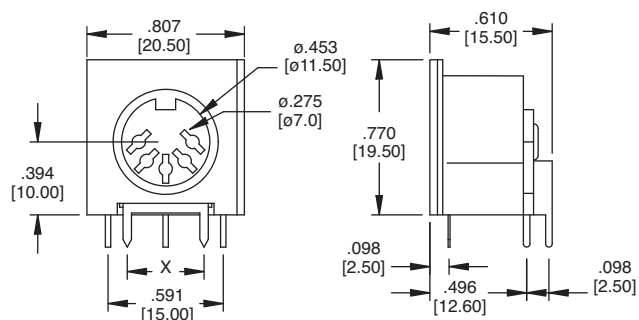
### ORDERING INFORMATION RIGHT ANGLE PC BOARD MOUNT



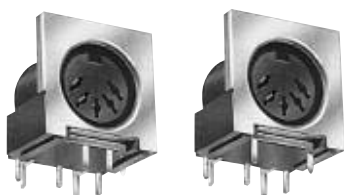
### STRAIGHT PC BOARD MOUNT AND PANEL MOUNT VERSIONS



#### DIN JACK SHIELDED 5 POSITION

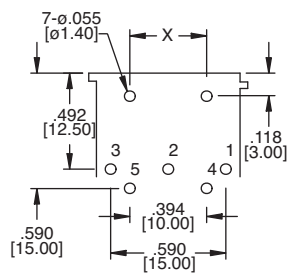


X = PITCH .197 [5.00] OR .394 [10.00]

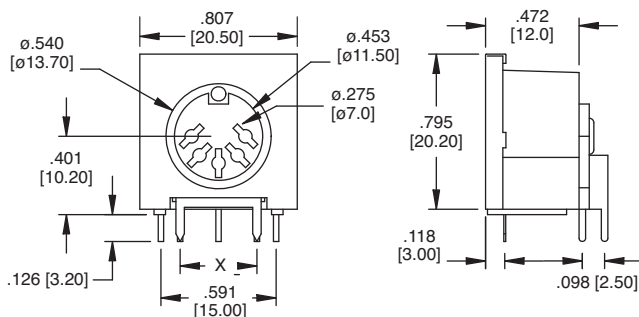


DJ-005-S.5

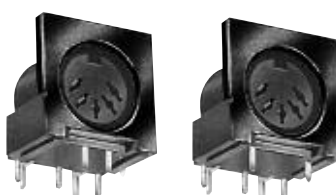
DJ-005-S



#### DIN JACK NON-SHIELDED 5 POSITION

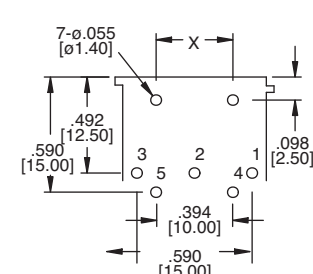


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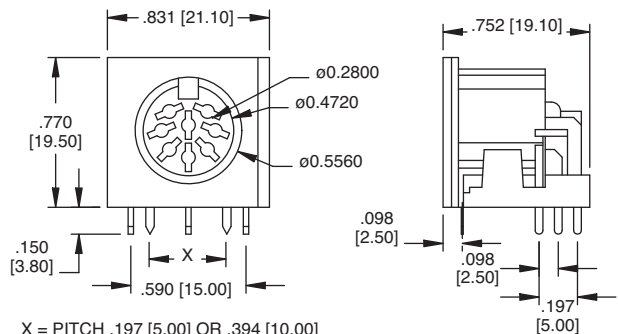


DJ-005-.5

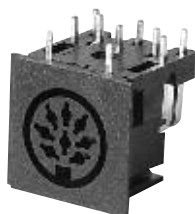
DJ-005



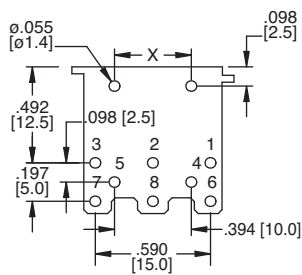
#### DIN JACKS NON-SHIELDED, POSITIONS: 3P, 4P, 6P, 7P, 8P



X = PITCH .197 [5.00] OR .394 [10.00]

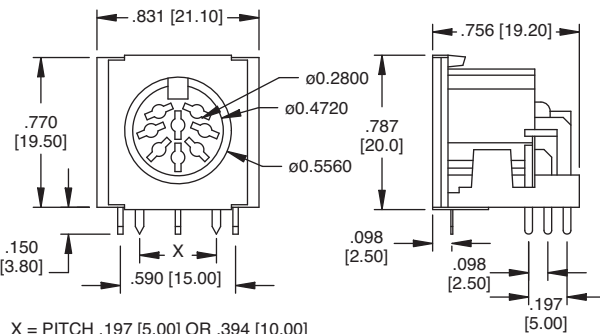


DJ-008



Recommended PCB Layout

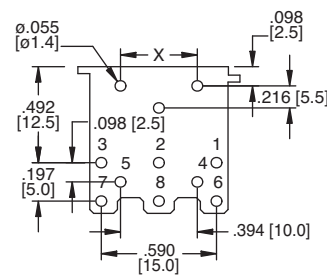
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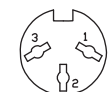


DJ-008-S

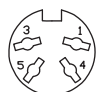


Recommended PCB Layout

#### MATING FACE CONFIGURATIONS



3 Position



4 Position



5 Position



6 Position



7 Position



8 Position

# Mouser Electronics

Authorized Distributor

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