# **ADAM TECH**

### Adam Technologies, Inc.

### CIRCULAR DIN JACKS

PC BOARD AND PANEL MOUNT
DJ SERIES

#### **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 m $\Omega$  max. initial Insulation resistance: 500 M $\Omega$  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: -25°C to +100°C

Soldering process temperature: Standard insulator: 235°C Hi-Temp insulator: 260°C

#### **PACKAGING:**

Anti-ESD plastic trays

#### **APPROVALS AND CERTIFICATIONS:**

UL Recognized File No. E224053 CSA Certified File No. LR1578596





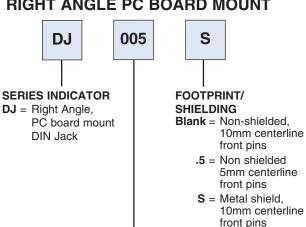


#### **OPTIONS:**

Add designator(s) to end of part number **HT** = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C



## ORDERING INFORMATION RIGHT ANGLE PC BOARD MOUNT



**POSITIONS** 

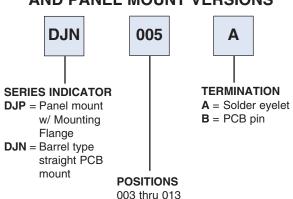
003 thru 013

## STRAIGHT PC BOARD MOUNT AND PANEL MOUNT VERSIONS

**S.5** = Metal shield,

front pins

5mm centerline





### **CIRCULAR DIN JACKS**

RIGHT ANGLE PCB MOUNT DJ SERIES

## Adam Technologies, Inc.

#### **DIN JACK DIN JACK SHIELDED 5 POSITION NON-SHIELDED 5 POSITION** .610 .807 [15.50] [20.50] ø.453 .807 [20.50] [ø11.50] [12.0] ø.453 ø.540 [ø13.70] ø.275 [ø7.0] ø.275 .770 [ø7.0] [19.50] .795 .394 [20.20] .401 [10.00] [10.20] 098 [2.50] 098 .118 .496 [3.00] 591 [12.60] [15.00] .126 [3.20] .098 [2.50] 591 [15.00] X = PITCH .197 [5.00] OR .394 [10.00] X = PITCH .197 [5.00] OR .394 [10.00] 7-ø.055 [ø1.40] .590 [15.00] **1** .590 [15.00] DJ-005-S.5 **DJ-005-S** DJ-005-.5 **DJ-005 DIN JACK DIN JACKS** SHIELDED, POSITIONS: 3P, 4P, 6P,7P, 8P NON-SHIELDED, POSITIONS: 3P, 4P, 6P,7P, 8P **-** .831 [21.10] − .752 [19.10] 🕳 → .756 [19.20] → ø0.2800 ø0.2800 ø0.4720 ø0.4720 .770 770 .787 [19.50] [19.50] [20.0] ø0.5560 ø0.5560 .098 .098 .150 .150 [2.50] [3.80] [3.80] .098 .590 [15.00] .590 [15.00] [2.50] 197 197 [5.00] [5.00] X = PITCH .197 [5.00] OR .394 [10.00] X = PITCH .197 [5.00] OR .394 [10.00] ø.055 [ø1.4] ø.055 [ø1.4] .492 [12.5] 098 [2.5] 098 [2.5] 394 [10.0] 590 [15.0] **Recommended PCB Layout Recommended PCB Layout DJ-008 DJ-008-S MATING FACE CONFIGURATIONS**

3 Position

4 Position

**6 Position** 

7 Position

8 Position

**5 Position**