

# **DC POWER JACKS**

PC BOARD AND PANEL MOUNT
ADC SERIES

#### INTRODUCTION:

Adam Tech ADC Series DC Power Jacks are a complete line of miniature and sub-miniature power jacks primarily used for the transmission of wall current transformed to DC power, for detached and hand held instruments. Adam Tech power jacks are manufactured with a variety of center pin sizes for all standard applications including 1.00mm, 1.30mm, 2.00mm and 2.50mm. Our contact is designed using a wide spring grade plated copper alloy for exceptional plug retention and low contact resistance.

#### **FEATURES:**

Low Profile designs
Superior contact system
Exceptional plug retention
Choice of Center pin sizes
Hi Temp Versions
Hi Current Versions

#### **MATING PLUGS:**

All industry standard 1.00mm, 1.30mm, 2.00mm, 2.35mm and 2.50mm Plugs.

#### SPECIFICATIONS:

#### Material:

Standard insulator: PBT Glass reinforced, rated UL94V-0 Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0

Insulator Color: Black

Center Pin: Brass, Nickel plated

Contacts: Copper alloy

## Contact Plating:

Silver over nickel underplate

#### **Electrical:**

Operating voltage: 12V DC max. Current rating: 1 Amp max.

Contact resistance: 30 m $\Omega$  max. initial Insulation resistance: 50 M $\Omega$  min.

Dielectric withstanding voltage: 250V AC for 1 minute

#### Mechanical:

Insertion force: 3 kg max.
Withdrawal force: 0.3 kg min
Mating durability: 5000 cycles min.

#### **Temperature Rating:**

Operating temperature: -25°C to +85°C Soldering process temperature: Standard insulator: 235°C Hi-Temp insulator: 260°C

#### **PACKAGING:**

Anti-ESD plastic bags or Tape and Reel

### **APPROVALS AND CERTIFICATIONS:**

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

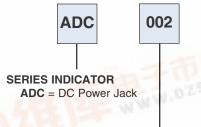








### **ORDERING INFORMATION**



# CENTER PIN DIAMETER

1

**1** = 2.00mm

2 = 2.50mm

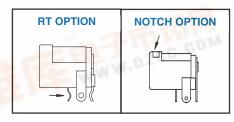
3 = 1.00mm

4 = 1.30mm

5 = 2.35mm

8 = 0.7 mm

BODY STYLE 001 thru 042



#### **OPTIONS:**

Add designator(s) to end of part number

RT = PC Board Retention Feature (Type 007 & 009 only)

**HT** = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C

**N** = Notch option, (ADC-002 only)

ADCH = DC Power Jack Hi-Current 5 Amp Version

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