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 mΩ max. initial
Insulation resistance: 50 MΩ 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 & CSA Certified, File no. E224053

c UL us
RoHS COMPLIANT
HI-TEMP INSULATOR AVAILABLE

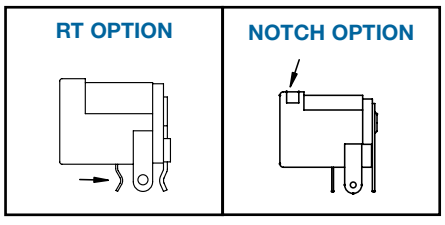
ORDERING INFORMATION

ADC	002	1

SERIES INDICATOR
ADC = DC Power Jack

BODY STYLE
001 thru 042

CENTER PIN DIAMETER
1 = 2.00mm
2 = 2.50mm
3 = 1.00mm
4 = 1.30mm
5 = 2.35mm
8 = 0.7mm
9 = 1.65mm



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)
ADC-H = DC Power Jack Hi-Current 5 Amp Version