ADAM TECH Adara Technologies Inc.

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^Ω max. initial Insulation resistance: 50 M Ω 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:

PDF

df.dzsc.com

Anti-ESD plastic bags or Tape and Reel

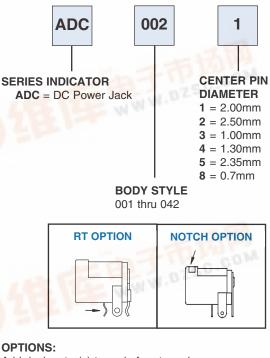
APPROVALS AND CERTIFICATIONS: UL Recognized File No. E224053 CSA Certified File No. LR1578596







ORDERING INFORMATION



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