

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

MATING PLUGS:

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

SPECIFICATIONS:

Material:

Insulator: PBT or Hi-temp Nylon, Glass reinforced, 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 +70°C

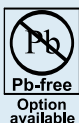
PACKAGING:

Anti-ESD plastic bags or Tape and Reel

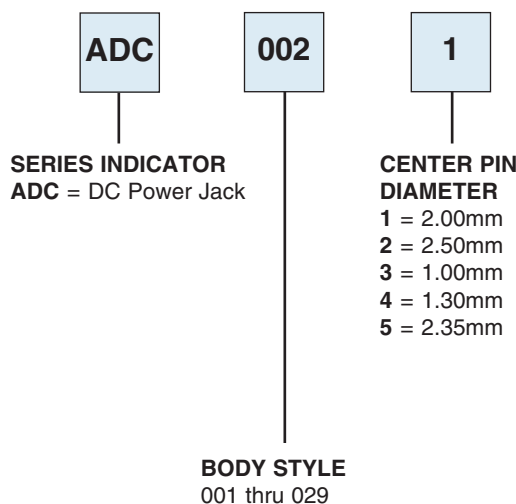
APPROVALS AND CERTIFICATIONS:

UL Recognized File No. E224053

CSA Certified File No. LR1578596



ORDERING INFORMATION



OPTIONS:

Add designator(s) to end of part number

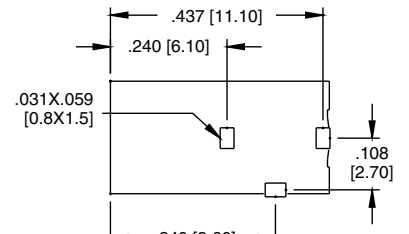
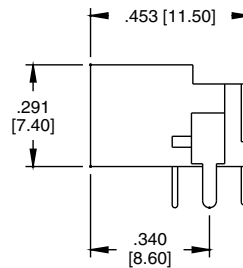
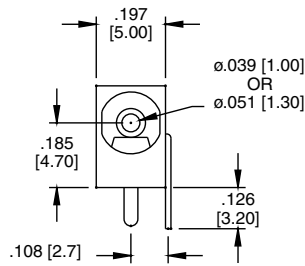
RT = PC Board Retention Feature
(Type 007 & 009 only)

HT = Hi-Temp insulator for Hi-Temp soldering processes

RC = RoHS compliant lead-free product with Hi-Temp insulator

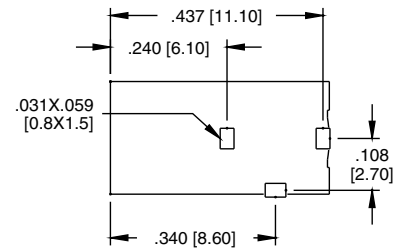
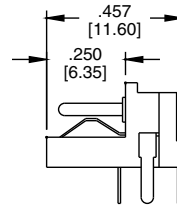
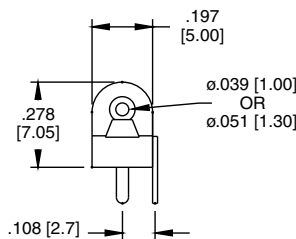
N = Notch option, ADC-002
(Illus. Pg. 159)

ADC-007



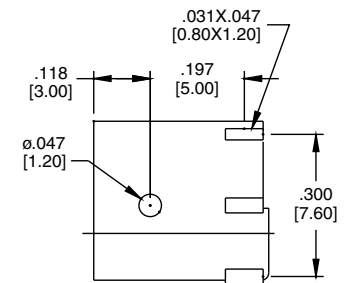
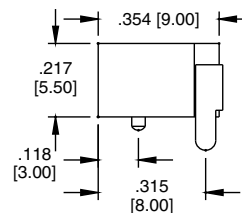
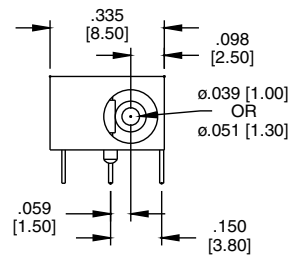
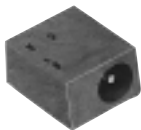
Recommended PCB Layout

ADC-009



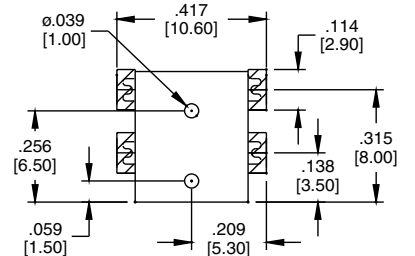
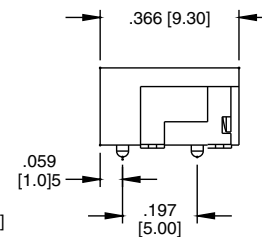
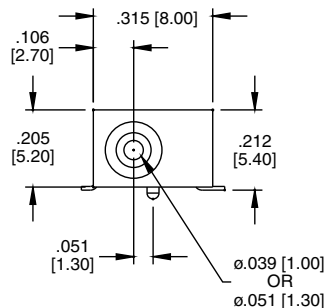
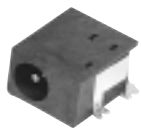
Recommended PCB Layout

ADC-011



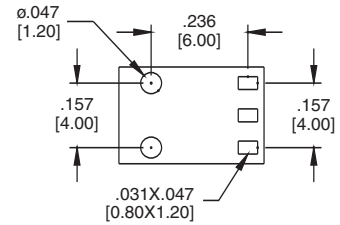
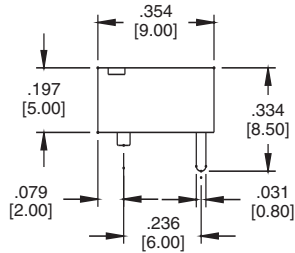
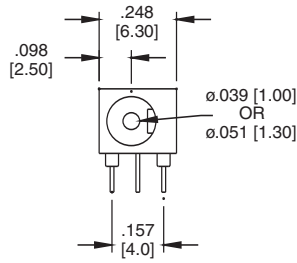
Recommended PCB Layout

ADC-021



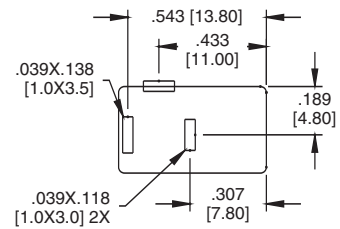
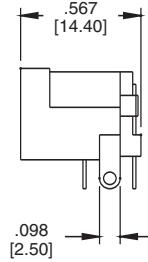
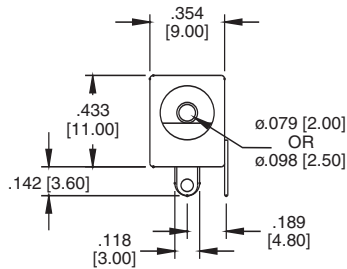
Recommended PCB Layout

ADC-029



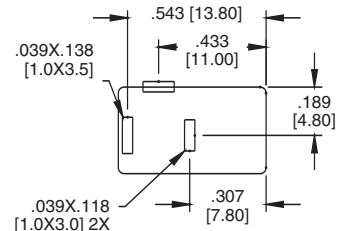
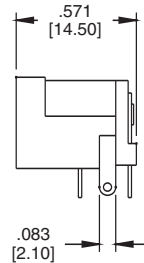
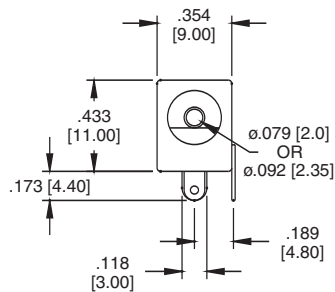
Recommended PCB Layout

ADC-002



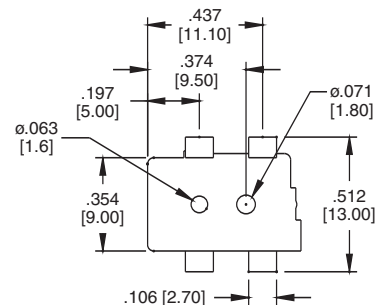
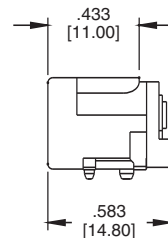
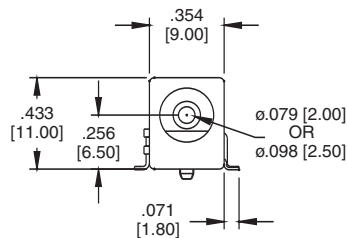
Recommended PCB Layout

ADC-002A



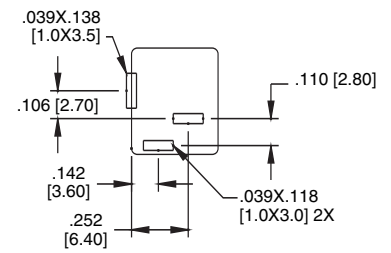
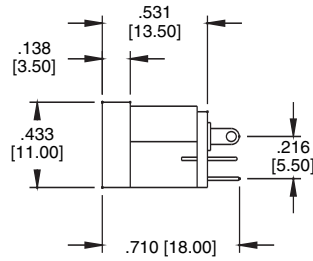
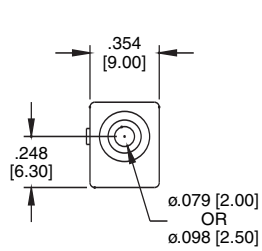
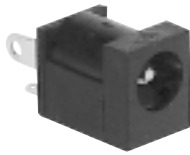
Recommended PCB Layout

ADC-028



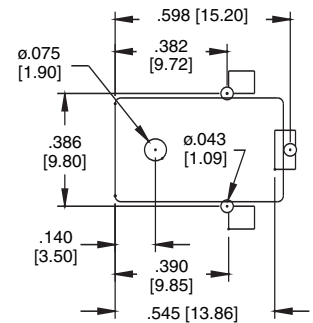
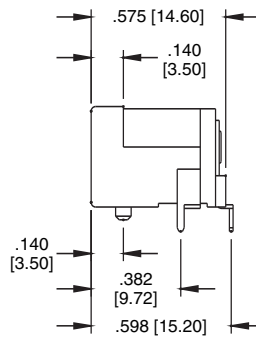
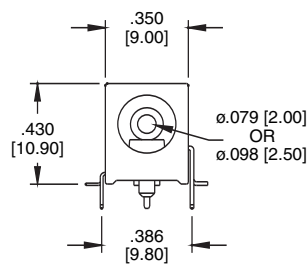
Recommended PCB Layout

ADC-010



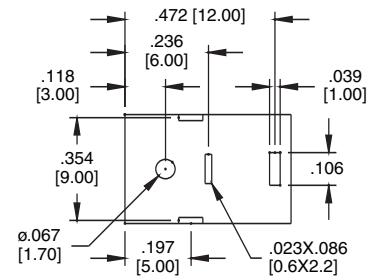
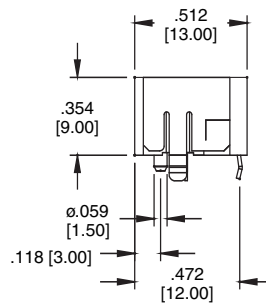
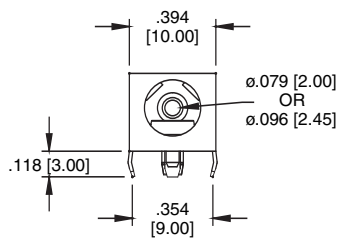
Recommended PCB Layout

ADC-015



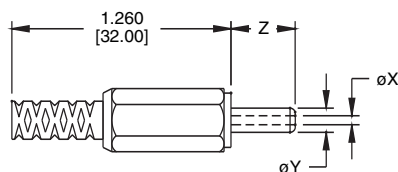
Recommended PCB Layout

ADC-026

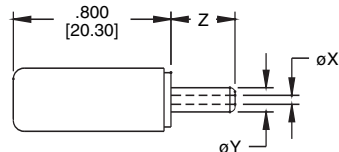


Recommended PCB Layout

ADP-X-SR



ADP-X



X = Center pin diameter.

Notch Option

