

# **MINI DIN POWER JACK & PLUG**

MPJ & MP SERIES

#### **INTRODUCTION:**

Adam Tech Mini DIN Power Jack and Plug system is specifically designed to incorporate power and signal transmissions in the same small low-profile package. This combination eliminates the need of separate power and signal components on the PC Board. In addition to component savings, labor is reduced and aesthetic value is increased by the reduction of additional cables. This system features three or four contact versions and a quick-lock mating system.

#### **FEATURES:**

Combination signal and power Small, compact light weight design 3P & 4P available Shielded versions available

# **MATING OPTIONS:**

Mates with all industry standard combination power jacks.

# **SPECIFICATIONS:**

# Material:

Standard insulator: PBT glass filled, rated UL94V-0 Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0 Insulator Color: Black standard, custom colors available

Contacts: Phosphor Bronze

Plastic Shell: PVC

Shield: Copper Alloy, Tin Plated

# **Contact Plating:**

Silver over Nickel underplate overall

### **Electrical:**

Operating voltage: 30V DC max.

Current rating: Power contact: 7 Amps max. Signal contacts: 1 Amp max. Contact resistance:  $20 \text{ m}\Omega$  max. initial

Insulation resistance: 250 M $\Omega$  min.

Dielectric withstanding voltage: 500V AC for 1 minute

#### Mechanical:

Insertion force: 1.8 lbs max. Withdrawal force: 0.22 lbs min

#### **Temperature Rating:**

Operating temperature: -25°C to +70°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









# ORDERING INFORMATION POWER JACK



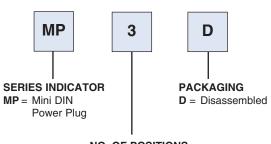
MPJ = Mini DIN Power Jack

**3P** = 3 Positions, 2 Power and 1 Signal Contact

**4P** = 4 Position, All Power Contacts



# **POWER PLUG**



NO. OF POSITIONS

**3P** = 3 Positions **4P** = 4 Positions

#### **OPTIONS:**

Add designator(s) to end of part number

S = Shielded

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