

#### INTRODUCTION:

Adam Tech ASJ Series Stereo Jacks are a complete line of 2.6mm and 3.5mm jacks used primarily in computer and multi-media audio applications. This series provides a multitude of sizes and configurations that are available in single or multiple switching forms. Options include choice of full plastic or metal reinforced bodies, single, stacked or ganged versions and color-coded jacks for port identification.

#### FEATURES:

Broad range of sizes and configurations  
Single or Multiple switching functions  
Plastic or Metal reinforced bodies  
Ganged and Stacked versions  
Color Coded option for Port Identification

#### MATING PLUGS:

All industry standard 2.50mm and 3.50mm mono or stereo plugs.

#### SPECIFICATIONS:

##### Material:

Standard insulator: PBT or LCP, Glass reinforced, rated UL94V-0  
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0  
Insulator Color: Black  
Bushing: Brass, Nickel plated  
Contacts: Copper alloy

##### Contact Plating:

Tin over Copper underplate

##### Electrical:

Operating voltage: 12V DC max.  
Current rating: 1 Amp max.  
Contact resistance: 30 mΩ max. initial  
Insulation resistance: 100 MΩ min.  
Dielectric withstanding voltage: 500V AC for 1 minute

##### Mechanical:

Insertion force: 4.4 lbs max.  
Withdrawal force: 0.3 kg min  
Mating durability: 5000 cycles min.

##### Temperature Rating:

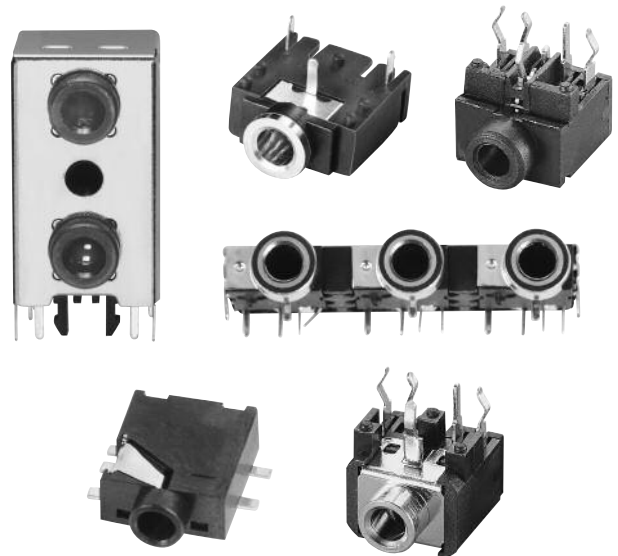
Operating temperature: -65°C to +125°C  
Soldering process temperature:  
Standard insulator: 235°C  
Hi-Temp insulator: 260°C

#### PACKAGING:

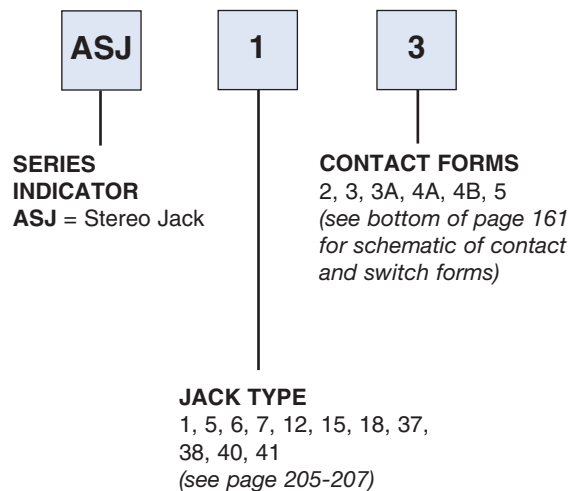
Anti-ESD plastic bags or Tape and Reel

#### APPROVALS AND CERTIFICATIONS:

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



#### ORDERING INFORMATION



#### OPTIONS:

Add designator(s) to end of part number

**E** = No back cover (Type 1 only)

**K** = Kinked soldertails  
(Standard on Type 6, 7, 40)

**M** = M6 x 0.5 threaded bushing

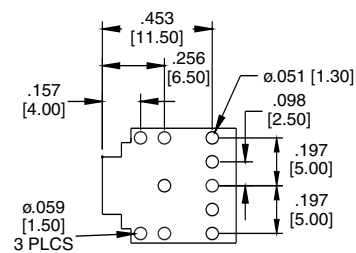
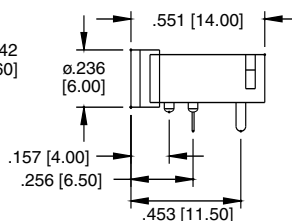
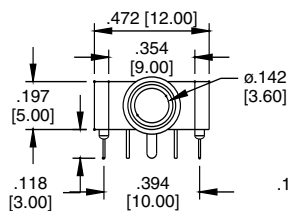
**HT** = Hi-Temp Nylon 6T insulator for Hi-Temp soldering processes up to 260°C

**TR** = Tape & Reel packaging

#### ASJ-1



ASJ-1-3

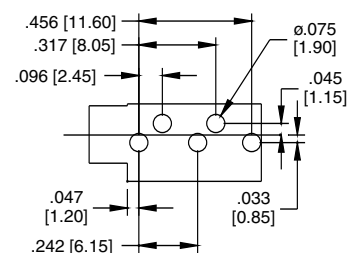
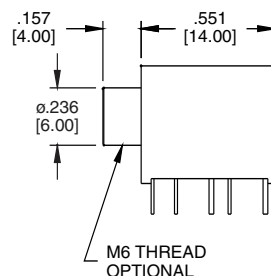
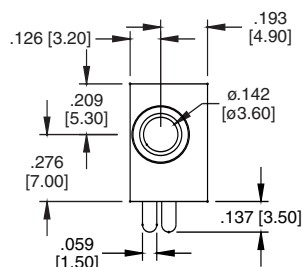


Recommended PCB Layout

#### ASJ-5



ASJ-5-4A

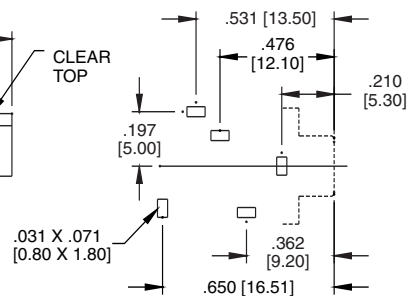
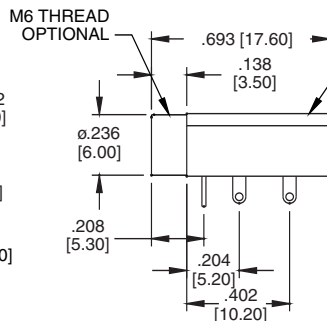
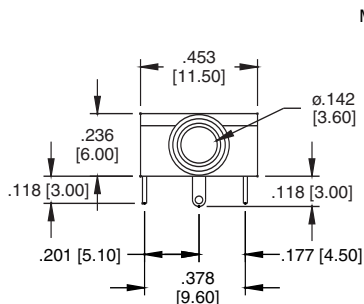


Recommended PCB Layout

#### ASJ-37



ASJ-37-5-M

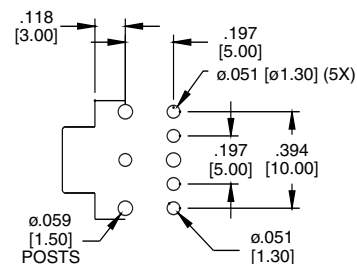
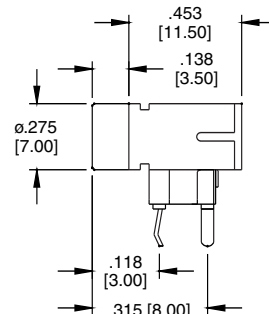
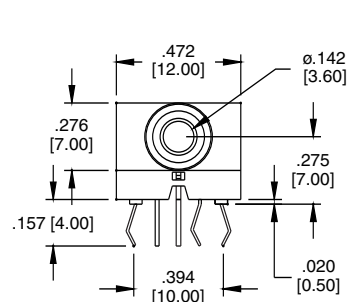


Recommended PCB Layout

#### ASJ-6



ASJ-6-5



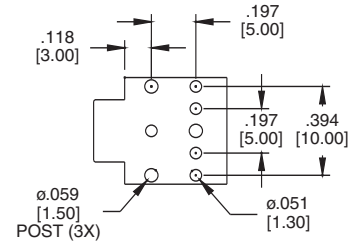
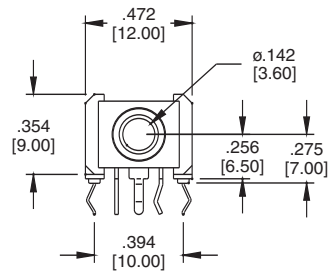
Recommended PCB Layout

Contact Form	Form 2	Form 3	Form 3A	Form 4A	Form 4B	Form 5
Schematic						

#### ASJ-7

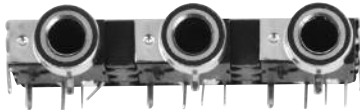


ASJ-7-5

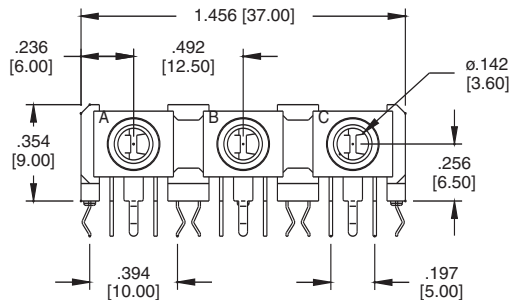


Recommended PCB Layout

#### ASJ-40



ASJ-40-4A

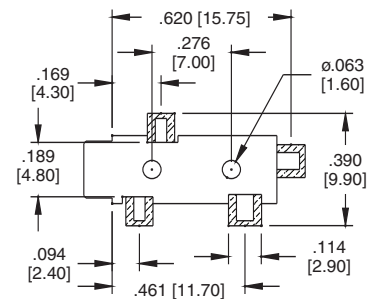
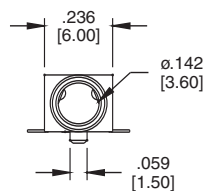


Recommended PCB Layout

#### ASJ-15



ASJ-15-4B

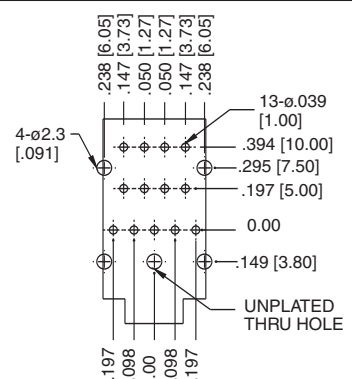
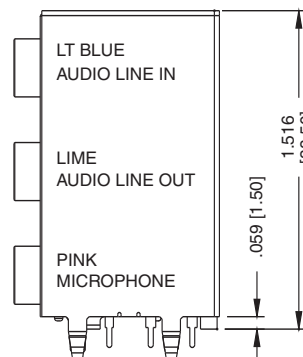
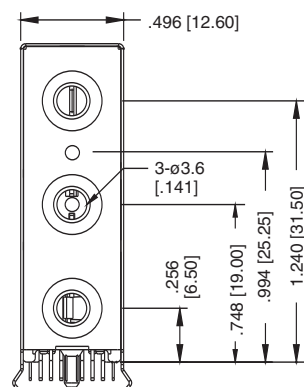


Recommended Solder Pad Layout

#### ASJ-41



ASJ-41-5

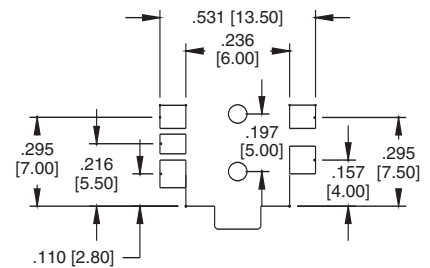
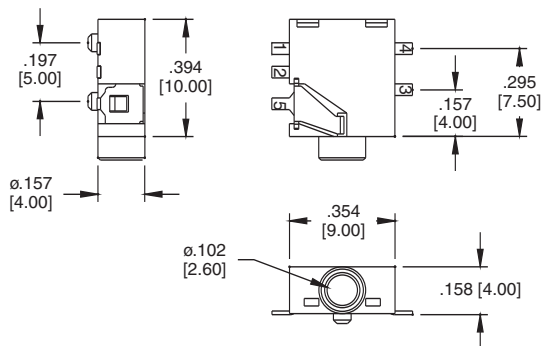


Recommended PCB Layout

#### ASJ-12



ASJ-12-5

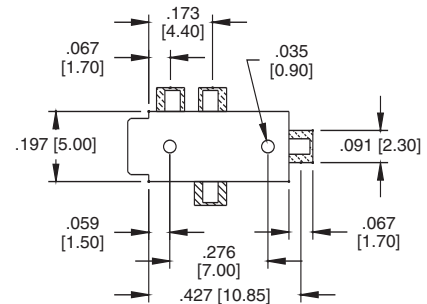
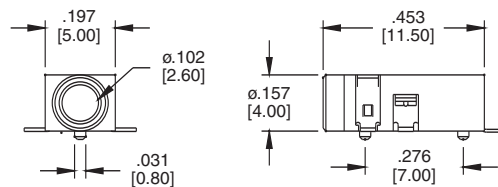


Recommended Solder Pad Layout

#### ASJ-18



ASJ-18-4B

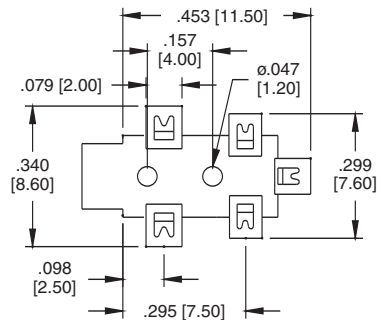
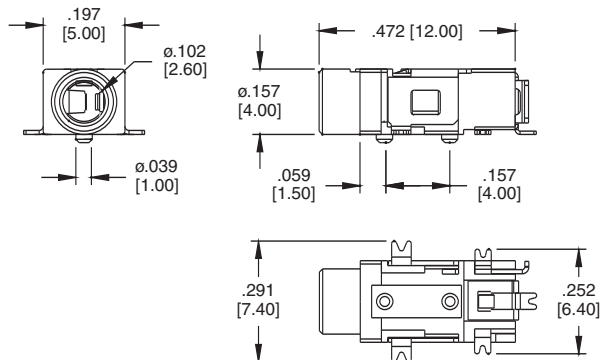


Recommended Solder Pad Layout

#### ASJ-38

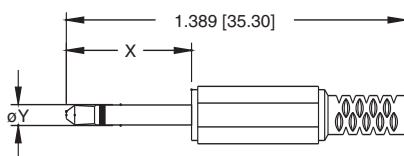


ASJ-38-5



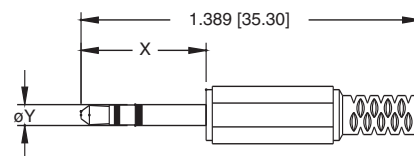
Recommended Solder Pad Layout

#### Mono Audio Plug



PART No.	X	Y
ASP-2.5-M-SR	.468 [11.90]	ø.098 [2.50]
ASP-3.5-M-SR	.590 [15.00]	ø.137 [3.50]

#### Stereo Audio Plug



PART No.	X	Y
ASP-2.5-S-SR	.468 [11.90]	ø.098 [2.50]
ASP-3.5-S-SR	.590 [15.00]	ø.137 [3.50]

# Mouser Electronics

Authorized Distributor

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