

**INTRODUCTION:**

Adam Tech ICS Series IC Sockets are a low profile design available in single or dual row on .100" centerline pin spacing with .300" or .600" row spacing. Our ISD Series are fine pitched sockets on .070" centerlines with .300" or .600" row spacing. All Adam Tech sockets are manufactured with our exclusive single beam dual wipe contact design which produces a high pressure wiping action for superior connectivity. In addition to an internal contact stop which prevents over stressing of the contact, each has a wide lead in to eliminate mis-mating and a closed bottom anti-solder wicking design.

**FEATURES:**

- High Pressure Contacts
- Single Beam, Dual Wipe Contacts
- Anti-Solder Wicking design
- Machine Insertable
- Single or Dual Row
- Low Profile

**MATING COMPONENTS:**

All industry standard components with SIP or DIP leads

**SPECIFICATIONS:**

**Material:**

Standard insulator: PBT, Glass reinforced, rated UL94V-0  
 Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0  
 Insulator Color: Black  
 Contacts: Phosphor Bronze

**Contact Plating:**

Tin over copper underplate overall

**Electrical:**

Operating voltage: 250V AC max.  
 Current rating: 1 Amp max.  
 Contact resistance: 20 mΩ max. initial  
 Insulation resistance: 5000 MΩ min.  
 Dielectric withstanding voltage: 1000V AC for 1 minute

**Mechanical:**

Insertion force: 11.5 oz max with .024" X .006" leads  
 Withdrawal force: 0.85 oz min with .024" X .006" leads

**Temperature Rating:**

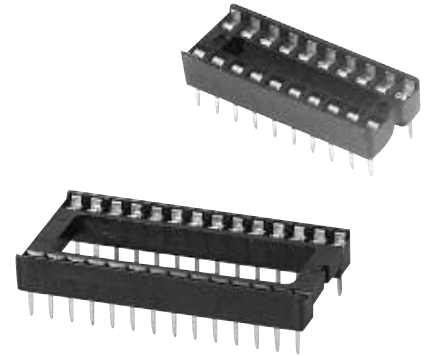
Operating temperature: -55°C to +85°C  
 Soldering process temperature:  
     Standard insulator: 235°C  
     Hi-Temp insulator: 260°C

**PACKAGING:**

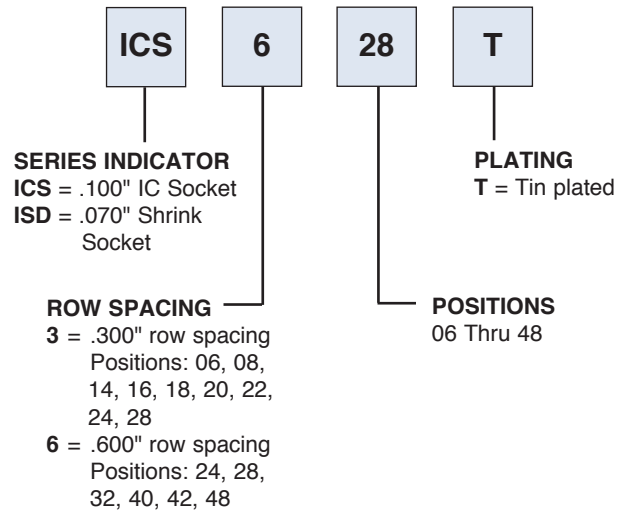
Anti-ESD plastic tubes

**SAFETY AGENCY APPROVALS:**

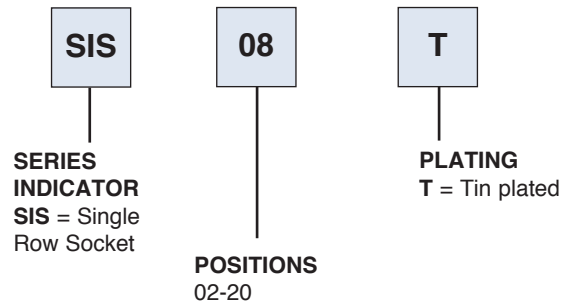
UL Recognized & CSA Certified, File no. E224053



**ORDERING INFORMATION  
IC SOCKETS**



**ORDERING INFORMATION  
SINGLE ROW SOCKETS**



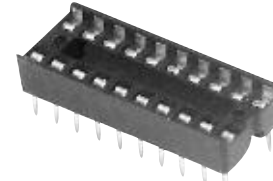
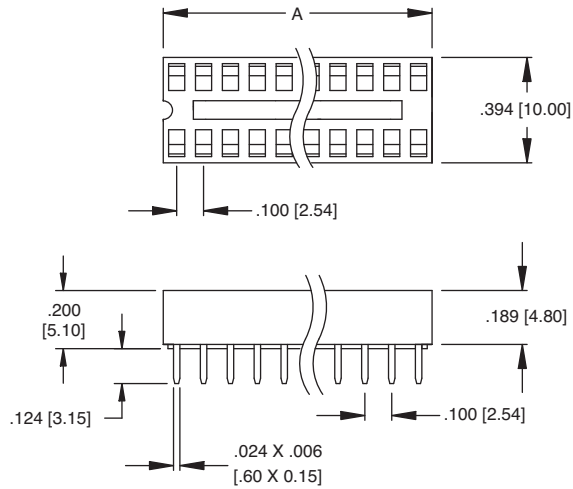
**OPTIONS:**

Add designator(s) to end of part number  
**OF** = Open Frame without center bar  
**HT** = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C

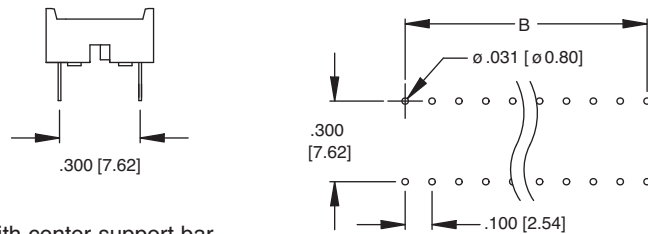
## ICS SERIES

### .300" ROW CENTERLINE

Positions: 6, 8, 14, 16, 18, 20, 24, 26 & 28



ICS-320-T



Recommended PCB Layout

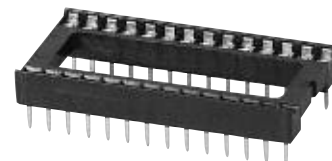
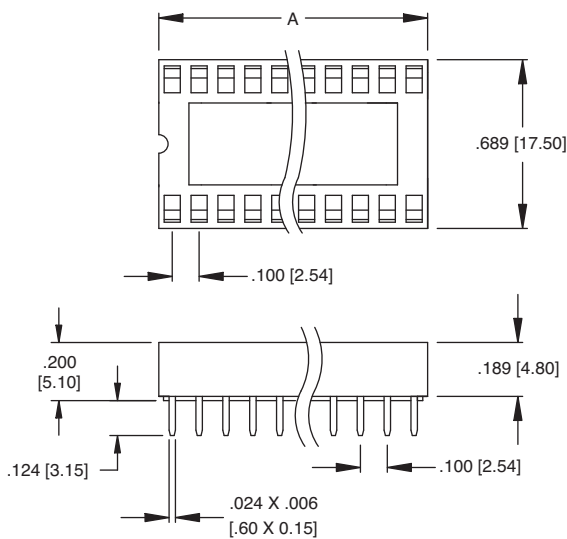
24P thru 32P Produced with center support bar.

A = .100 [2.54] X No. of Positions Per Row  
B = .100 [2.54] X No. of Spaces Per Row

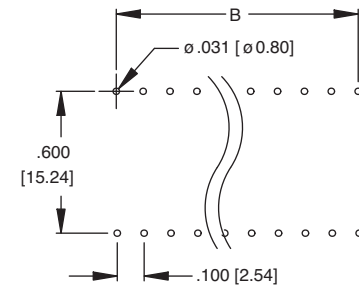
## ICS SERIES

### .600" ROW CENTERLINE

Positions: 20, 24, 28, 32, 40 & 48



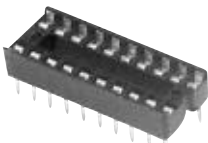
ICS-628-T



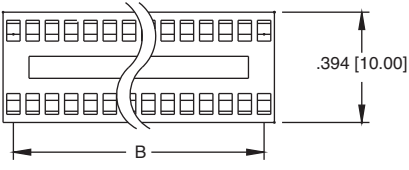
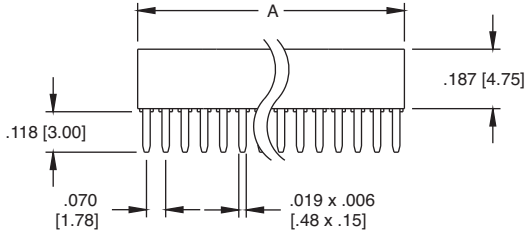
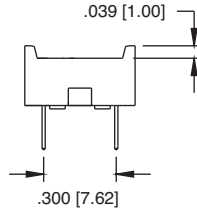
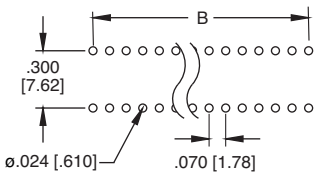
Recommended PCB Layout

A = .100 [2.54] X No. of Positions Per Row  
B = .100 [2.54] X No. of Spaces Per Row

**ISD SERIES**  
**.300" ROW CENTERLINE**  
**SHRINK DIP SOCKETS**  
**POSITIONS: 24, 28, 30**




**ISD-320-T**

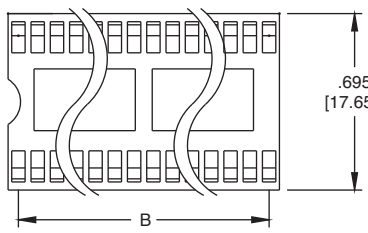
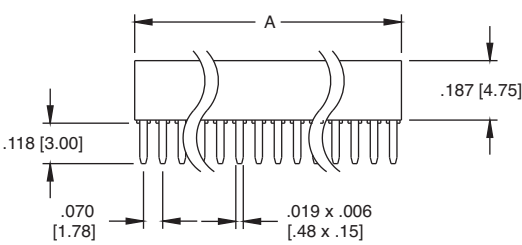
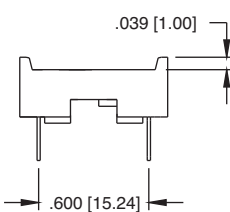
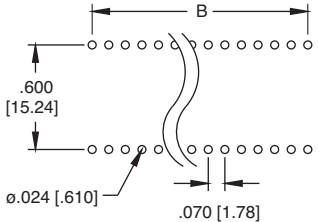
**Recommended PCB Layout**

A = .070 [1.78] X No. of Positions Per Row  
B = .070 [1.78] X No. of Spaces

**ISD SERIES**  
**.600" ROW CENTERLINE**  
**SHRINK DIP SOCKETS**  
**POSITIONS: 40, 42**




**ISD-642-T**

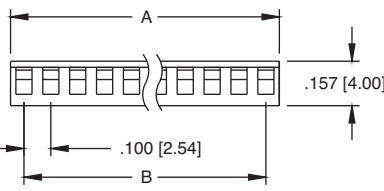
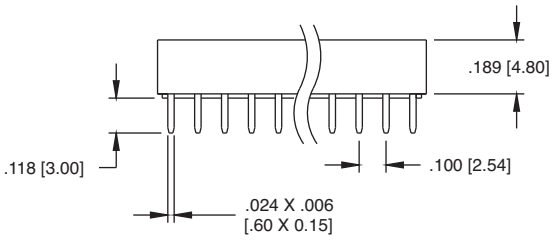
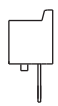
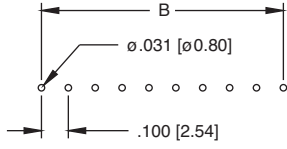
**Recommended PCB Layout**

A = .070 [1.78] X No. of Positions Per Row  
B = .070 [1.78] X No. of Spaces

**SIS SERIES**  
**.100" SINGLE ROW**  
**POSITIONS: 2P-20P**



**SIS-12-T**

**Recommended PCB Layout**

A = .100 [2.54] X No. of Positions  
B = .100 [2.54] X No. of Spaces