

### 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:

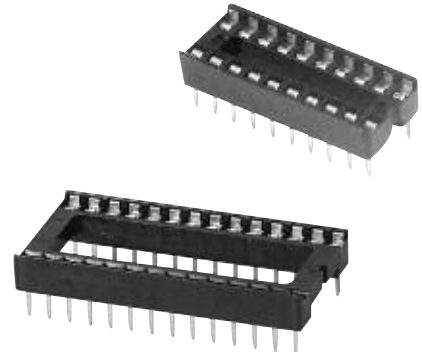
Operating temperature: -55°C to +85°C  
Soldering process temperature:  
Standard insulator: 235°C  
Hi-Temp insulator: 260°C

### PACKAGING:

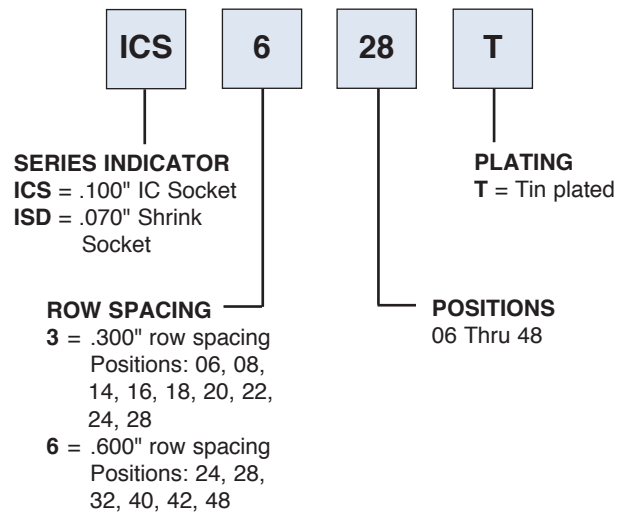
Anti-ESD plastic tubes

### SAFETY AGENCY APPROVALS:

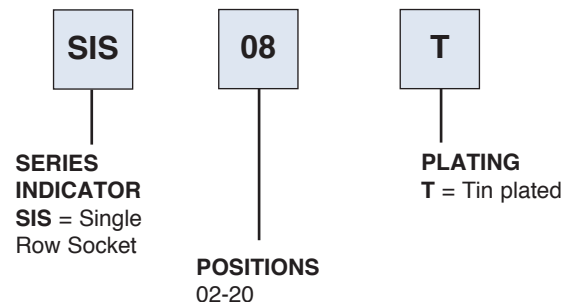
UL Recognized & CSA Certified, File no. E224053



### ORDERING INFORMATION IC SOCKETS



### ORDERING INFORMATION SINGLE ROW SOCKETS



### OPTIONS:

Add designator(s) to end of part number

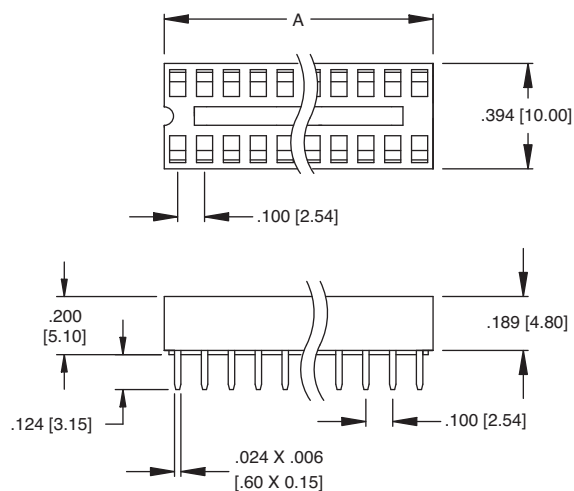
OF = Open Frame without center bar

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

## ICS SERIES

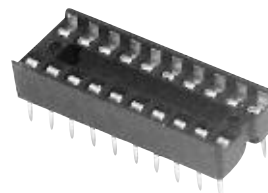
### .300" ROW CENTERLINE

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

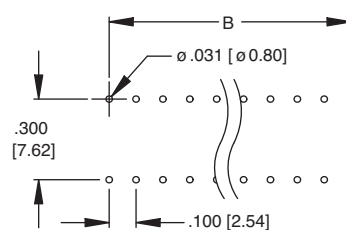


24P thru 32P Produced with center support bar.

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



ICS-320-T

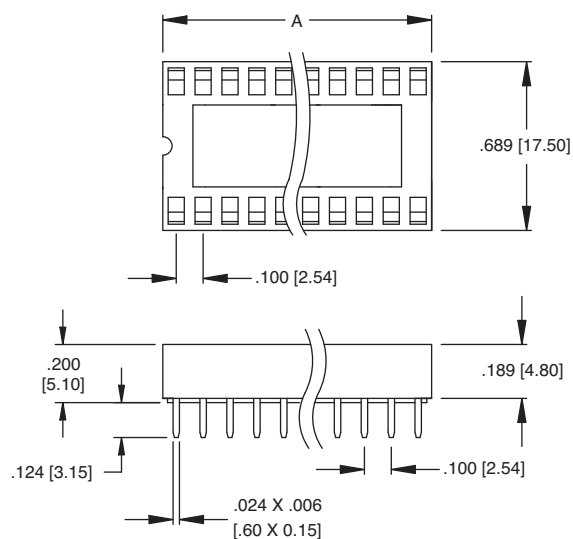


Recommended PCB Layout

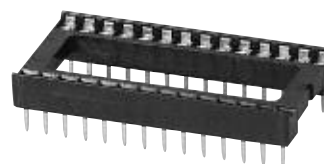
## ICS SERIES

### .600" ROW CENTERLINE

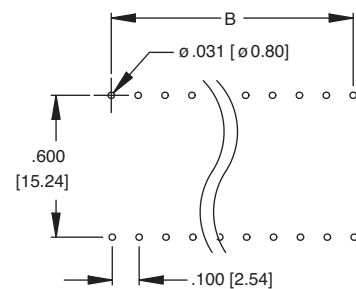
Positions: 20, 24, 28, 32, 40 & 48



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



ICS-628-T



Recommended PCB Layout

# Mouser Electronics

Authorized Distributor

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[ICS-628-T](#) [ICS-320-T](#) [ICS-306-T](#)