



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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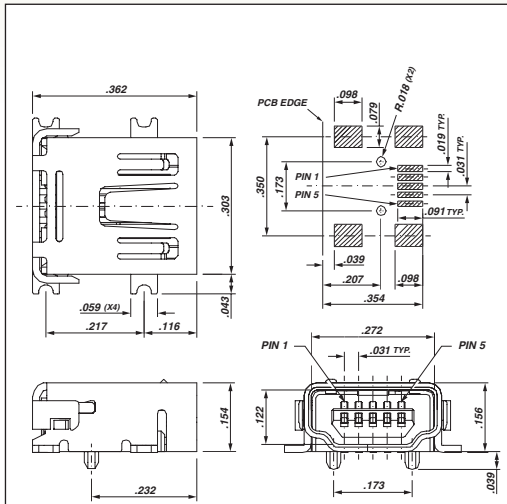
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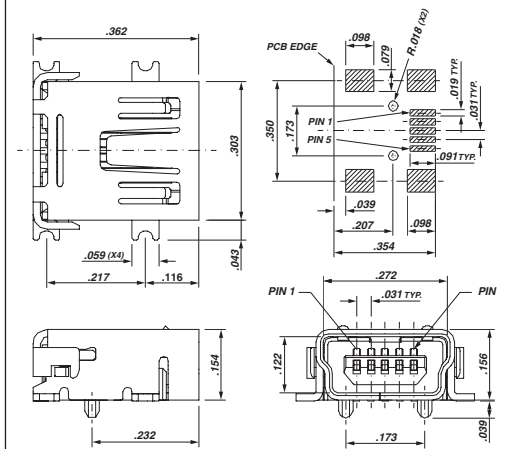


# IO SOCKETS

## SERIES 896, 897 • MINI UNIVERSAL SERIAL BUS • SURFACE MOUNT SOCKETS



**FIG. 1**



**FIG. 2**

- Mini USB receptacles for surface mount
- 5 Pin (one ID Pin), 0.8mm pitch, mini USB connector
- Reduced mounting space
- Fully Shielded
- Fully compliant with current USB 2.0 specifications
- Smaller and lighter than standard USB connectors for portable & handheld devices
- Packaged on Tape and Reel:  
896-43-005-00-100001 - 800 pieces per reel  
897-43-005-00-100001 - 700 pieces per reel



### ORDERING INFORMATION

<b>FIG. 1</b>	<b>Mini Type A Receptacle, Single, Surface Mount</b>
	896-43-005-00-100001
<b>FIG. 2</b>	<b>Mini Type B Receptacle, Single, Surface Mount</b>
	897-43-005-00-100001

### Technical Specifications

#### Materials:

Terminals: Copper Alloy, Tin Plated  
 Contacts: Copper Alloy, 30  $\mu$ " Gold Plated  
 Casing and Shield: Stainless Steel  
 Insulator material: High temperature thermoplastic rated UL94V-0



#### Ratings:

Voltage: 30VAC (rms)  
 Current: 1A max. per contact for 30°C temperature rise  
 All housing materials rated for "lead-free" soldering up to 260° C

#### Electrical:

Contact resistance: 50m $\Omega$  max.  
 Insulation resistance: 100M $\Omega$  min.  
 Dielectric withstanding voltage: 100VAC at sea level  
 Capacitance: 2pF max.

#### Mechanical:

Random vibration: No discontinuity >1 $\mu$ s per EIA 364-28, cond. V, letter A  
 Physical shock: No discontinuity >1 $\mu$ s per EIA 364-27, condition H  
 Durability: 5000 cycles min. per EIA 364-09  
 Mating force: 35 Newtons max. per EIA 364-13  
 Unmating force: Initial - 7 Newtons min. per EIA 364-13  
 After test - 3 Newtons min. per EIA 364-13  
 Cable pull-out force per EIA 364-38

#### Environmental:

Thermal shock per EIA 364-32, condition I  
 Humidity per EIA 364-31, method II, condition A  
 Temperature life per EIA 364-17, condition 3, method A  
 Solderability per EIA 364-52, category 2