



(2,54mm) .100"

ICA SERIES

ICA-320-SGT

ICA-624-ZEGG

# AUTOMATED INSERTION DIP SOCKETS

Mates with:  
APA

ICA

ROW SPACING &  
NO. OF CONTACTSSTYLE  
OPTIONPLATING  
OPTIONOPTION  
(Leave Blank for  
Standard Version)

## Specify from chart below

- Side & end stackable
- Great for auto insertion
- Open body design



|       | Row Space    | No. of Contacts |
|-------|--------------|-----------------|
| -308  | .300 (7,62)  | 08              |
| -314  |              | 14              |
| -316  |              | 16              |
| -318  |              | 18              |
| -320  |              | 20              |
| -322* |              | 22              |
| -324  |              | 24              |
| -328  | .400 (10,16) | 28              |
| -422  |              | 22              |
| -624  | .600 (15,24) | 24              |
| -628  |              | 28              |
| -632  |              | 32              |
| -640  |              | 40              |
| -648  |              | 48              |

**GG**

= 30μ" (0,76μm)  
Gold contact,  
10μ" (0,25μm)  
Gold Shell

**GT**

= 30μ" (0,76μm)  
Gold contact,  
Tin Shell

**ST**

= 10μ" (0,25μm)  
Gold contact,  
Tin shell (Styles -S  
& -ZS only)

**-2**

= .360 (9,14)  
Tail

**Wire-Wrap  
Option**

Requires Style  
-W or -ZW  
Specify desired  
suffix for shorter  
Wire-Wrap tail.

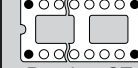
**-3**

= .260 (6,60)  
Tail

**-L**

= Locking  
Socket

Requires Style  
-S or -ZS



Requires GT  
Plating Option

## SPECIFICATIONS

For complete specifications  
see [www.samtec.com?ICA](http://www.samtec.com?ICA)

### Insulator Material:

Black Glass Filled  
Polyester

except -328 is LCP

Contact: BeCu

Shell: Brass

### Plating:

Au or Sn over 50μ" Ni

### Flammability Rating:

UL 94V-O

### Insulation Resistance:

5000 MΩ min

### Temperature Range:

-55°C to +105°C with Tin

-55°C to +125°C with Gold.

### Withstanding Voltage:

1000 VRMS

### Current Rating: 1A

### Contact Resistance:

10mΩ max

### Lead Size Range:

.015" (0,38mm) to .022"

(0,56mm) DIA and most IC leads

### Insertion Force:

(Single contact only)

Standard = 9 oz avg, 16 oz max;

Low Insertion Force =

2.5 oz avg, 5.5 oz max

### Withdrawal Force:

(Single contact only)

Standard = 2.5 oz avg, 1.5 oz

min; Low Insertion Force =

2.0 oz avg, 0.35 oz min

### Lead-Free Solderable:

Wave only

### RoHS Compliant: Yes

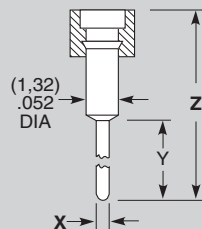


**Note:** Some sizes, styles and  
options are non-standard,  
non-returnable.

**-S, -ZS, -ZA**

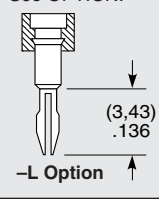
= Printed Circuit

-ZS & -ZA = Low Insertion Force



| LEAD STYLE | X<br>DIA       | Y<br>TAIL      | Z              |
|------------|----------------|----------------|----------------|
| -S or -ZS  | (0,51)<br>.020 | (3,18)<br>.125 | (7,62)<br>.300 |
| -ZA        | (0,51)<br>.020 | (4,57)<br>.180 | (8,89)<br>.350 |

Locking lead  
available with -S  
and -ZS.  
See OPTION.



Insertion Depth = .095" (2,41) to .145" (3,68):

Style S Component Part No. = SC-1P1

Style ZS Component Part No. = EZ-1P1

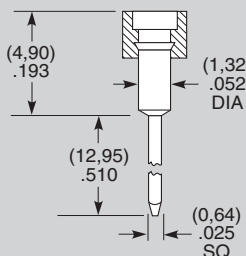
Style ZA Component Part No. = EZ-6P1

Option L Component Part No. = SC-1L1 or EZ-1L1

**-W, -ZW**

= Wire-Wrap

ZW = Low Insertion Force



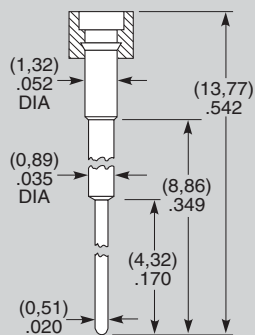
Shorter wire-wrap tail  
lengths available.  
See OPTION.

Insertion Depth = .125" (3,18) to .157" (3,99)  
Style W Component Part No. = SC-1W1(1)  
Style ZW Component Part No. = EZ-1W1(1)  
Style W-2 Component Part No. = SC-1W1(2)  
Style ZW-2 Component Part No. = EZ-1W1(2)  
Style W-3 Component Part No. = SC-1W1(3)  
Style ZW-3 Component Part No. = EZ-1W1(3)

**-ZE**

= Elevated

Low Insertion Force



Insertion Depth = .125" (3,18) to .170" (4,32)  
Style ZE Component Part No. = EZ-2P3

Due to technical progress, all designs, specifications and components are subject to change without notice.

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