



(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.

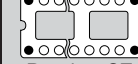
**-3**

= .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:**

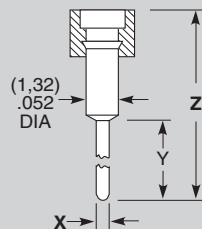
Wave only

**RoHS Compliant:** Yes

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

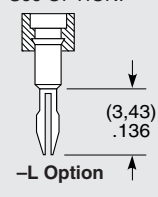
**-S, -ZS, -ZA**

= 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

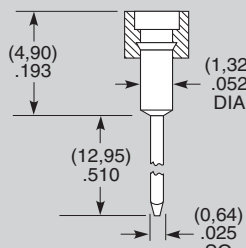
Style ZS Component Part No. = EZ-1P1

Style ZA Component Part No. = EZ-6P1

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

**-W, -ZW**

= Wire-Wrap

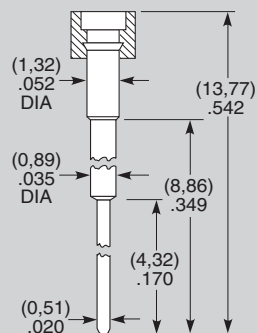
**ZW = Low Insertion Force**

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.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 SAMTEC SILICON VALLEY • Tel: 408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: 1-800-726-8329  
SAMTEC AMERICA LATINA COMERCIO EXTERIOR LTDA • Tel: (+55 31) 3786 3227 SAMTEC UNITED KINGDOM • Tel: 44 01236 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0  
SAMTEC FRANCE • Tel: 33 01 60 95 06 60 SAMTEC ITALY • Tel: 39 039 6890337 SAMTEC NORDIC/BALTIC • Tel: +46-84477280 SAMTEC BENELUX • Tel: 44 01236 739292  
SAMTEC ISRAEL • Tel: 972-3-7526600 SAMTEC INDIA • Tel: +91-80-3272 1612 SAMTEC ASIA PACIFIC • Tel: 65 6745-5955 SAMTEC JAPAN • Tel: 045-475-1385 SAMTEC CHINA • Tel: 86-21-6083 3766  
SAMTEC TAIWAN • Tel: 886-2-2735-6109 SAMTEC HONG KONG • Tel: 852-26904858 SAMTEC KOREA • Tel: 82-31-717-5685 SAMTEC ANZ • Tel: 613 9580 0683