



(2,54mm) .100"

ICO SERIES

ICO-320-CTT

ICO-624-MGT

# LOW PROFILE OPEN BODY DIP SOCKETS

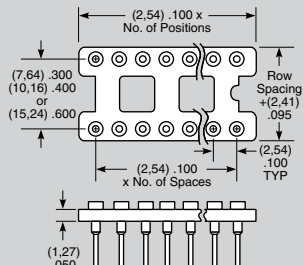
Mates with:  
APA

ICO

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

## Specify from chart below

- Low profile down to (2,11mm) .083" above printed circuit board
- Side & end stackable
- Open body design
- Surface mountable lead sockets



|      | Row Space    | Contacts |
|------|--------------|----------|
| -308 | .300 (7,62)  | 08       |
| -314 |              | 14       |
| -316 |              | 16       |
| -318 |              | 18       |
| -320 |              | 20       |
| -322 | .400 (10,16) | 22       |
| -324 |              | 24       |
| -422 | .600 (15,24) | 24       |
| -624 |              | 28       |
| -628 |              | 32       |
| -632 |              | 36       |
| -640 |              | 40       |

GG

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

GT

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

TT

= Tin Contact and Shell  
(-C, -S, -ZS, -A,  
-L, -M, -N, only)

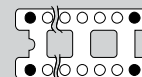
ST

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

-L

= Locking Socket

Requires Style -S,  
-ZS or -P and (0,89mm)  
.035" ± (0,08mm) .003"  
board hole.



Requires GT Plating  
Option

## SPECIFICATIONS

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

### Insulator Material:

Black Glass Filled  
Polyester

### Contact:

BeCu

Shell: Brass except style K  
Phosphor Bronze

Plating: Au or Sn over 50μ"  
(1,27μm) Ni

Flammability Rating:  
UL 94V-O

Insulation Resistance:  
5000 MΩ min

### Temperature Range:

-55°C to +125°C with Gold

-55°C to +105°C with Tin

### Withstanding Voltage:

1000 VRMS @ 60 Hz

### Current Rating: 1A

### Contact Resistance:

10mΩ max

### Lead Size Range:

(0,38mm) .015" to  
(0,56mm) .022" DIA and most

IC leads except C, L, M, and N

### 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 except

### Lead-Free Solderable:

Wave only

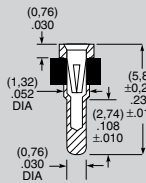
### RoHS Compliant:

Yes

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

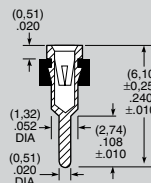
-L

= Low Profile



Lead DIA Accepted  
= (0,38mm) .015" to  
(0,51mm) .020"

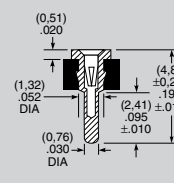
-M

= Low Profile  
For LIF Specify -ZM

Lead DIA Accepted  
= (0,41mm) .016" to  
(0,53mm) .021"

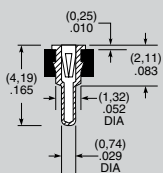
-N

= Micro Socket



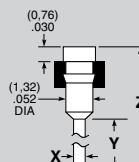
Lead DIA Accepted  
= (0,41mm) .016" to  
(0,51mm) .020"

-C

= Micro Socket  
For LIF Specify -ZC

Lead DIA Accepted  
= (0,41mm) .016" to  
(0,51mm) .020"

-S, -ZS, -ZA

= Printed Circuit  
-ZS & -ZA= Low Insertion Force

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

Locking lead (-L) available.  
See OPTION.

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

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