



(2,54mm) .100"

ICO SERIES

ICO-320-CTT

ICO-624-MGT

# LOW PROFILE OPEN BODY DIP SOCKETS

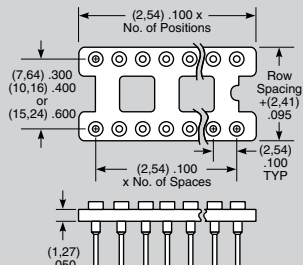
Mates with:  
APA

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 |              | 22       |
| -324 |              | 24       |
| -422 | .400 (10,16) | 22       |
| -624 | .600 (15,24) | 24       |
| -628 |              | 28       |
| -632 |              | 32       |
| -640 |              | 40       |

GG

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

GT

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

TT

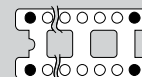
= Tin Contact and Shell  
(-C, -S, -ZS, -A,  
-L, -M, -N, only)

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

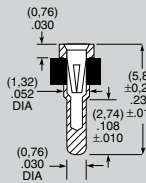
RoHS Compliant:  
Yes



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

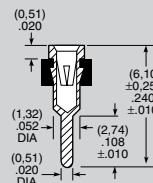
-L

= Low Profile



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

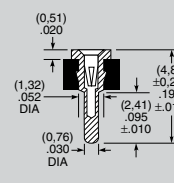
-M

= Low Profile  
For LIF Specify -ZM

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

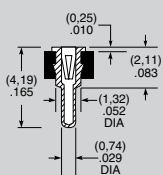
-N

= Micro Socket



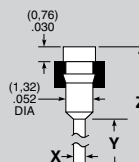
Lead DIA Accepted  
= (0,41mm) .016" to  
(0,51mm) .020"

-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<br>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 (-L) available.  
See OPTION.

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

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