



ICO-320-CTT



ICO-624-MGT

(2,54mm) .100"

ICO SERIES

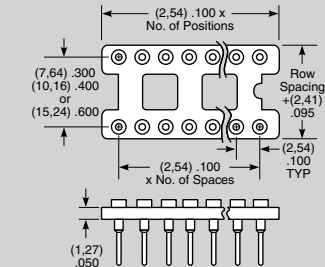
LOW PROFILE OPEN BODY SOCKETS

Mates with:
APA

| ICO | ROW SPACING & NO. OF CONTACTS | STYLE OPTION | PLATING OPTION | OPTION (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 | | 40 |
| -640 | | |

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

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"

-F
= Flush Top

-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.

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