



ICO-320-CTT



ICO-624-MGT

(2,54mm) .100"

ICO SERIES

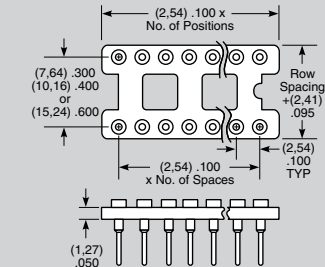
LOW PROFILE OPEN BODY SOCKETS

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		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

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.

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: 1-800-726-8229
 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 8890337 SAMTEC NORDIC/BALTIC • Tel: +46-8447280 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: 86-21-61103766 SAMTEC TAIWAN • Tel: 886-2-2735-6109
 SAMTEC HONG KONG • Tel: 852 2600 9858 SAMTEC KOREA • Tel: 82-31-717-5685 SAMTEC ANZ • Tel: 613 9512 7747 SAMTEC SOUTH AFRICA • Tel: 27 11 452 8112