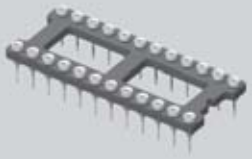
samtec

ICO–320–CTT



ICO–624–MGT

(2,54mm) .100"

ICO SERIES

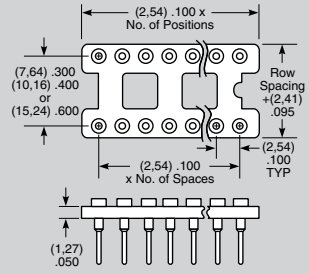
LOW PROFILE OPEN BODY DIP SOCKETS

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

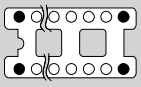
GT
= 30µ" (0,76µm) Gold Contact, Tin Shell

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

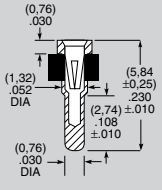
Note: Some sizes, styles and options are non-standard, non-returnable.

SPECIFICATIONS

For complete specifications see www.samtec.com?ICO

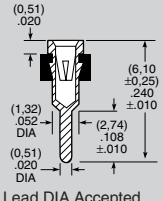
Insulator Material: Black Glass Filled Polyester
FILE NO. E111594
Contact: BeCu
Shell: Brass except style K Phosphor Bronze
Plating: Au or Sn over 50µ" (1,27µm) Ni
Flammability Rating: UL 94V-O
Insulation Resistance: 5000 MΩ min
Temperature Range: -55°C to +125°C with Gold -55°C to +105°C with Tin
Withstanding 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

–L
= Low Profile



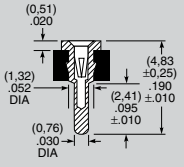
Lead DIA Accepted = (0,38mm) .015" to (0,51mm) .020"

–M
= Low Profile For LIF Specify –ZM



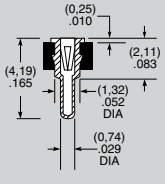
Lead DIA Accepted = (0,41mm) .016" to (0,53mm) .021"

–N
= Micro Socket



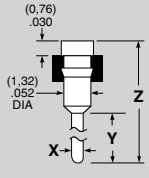
Lead DIA Accepted = (0,41mm) .016" to (0,51mm) .020"

–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.