



LOW PROFILE DIP SOCKETS ICO SERIES

Mates with:
APO, APA

ICO	ROW SPACING & NO. OF CONTACTS	STYLE OPTION	PLATING OPTION	OPTION (Leave Blank for Standard Version)
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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

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

ALSO AVAILABLE

RoHS compliant options. Call Samtec. Request APO Fact Sheet.

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 M 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: 10m 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 Styles ZM and ZN = 2.0 avg, 0.5 oz min
Lead-Free Solderable: Wave only

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

<p>-L = Low Profile For LIF Specify -ZL</p> <p>Lead DIA Accepted = (0,38mm) .015" to (0,51mm) .020"</p>	<p>-M = Low Profile For LIF Specify -ZM</p> <p>Lead DIA Accepted = (0,41mm) .016" to (0,53mm) .021"</p>	<p>-N = Micro Socket For LIF Specify -ZN</p> <p>Lead DIA Accepted = (0,41mm) .016" to (0,51mm) .020"</p>	<p>-ZP or -ZT = Short Tail Low Insertion Force</p> <table border="1"> <thead> <tr><th>LEAD STYLE</th><th>Z</th><th>Y</th></tr> </thead> <tbody> <tr><td>-ZP</td><td>(5,20) .205</td><td>(0,76) .030</td></tr> <tr><td>-ZT</td><td>(4,24) .167</td><td>(0,51) .020</td></tr> </tbody> </table> <p>Locking lead (-L) available. See OPTION.</p>	LEAD STYLE	Z	Y	-ZP	(5,20) .205	(0,76) .030	-ZT	(4,24) .167	(0,51) .020											
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<p>-C = Micro Socket For LIF Specify -ZC</p> <p>Lead DIA Accepted = (0,41mm) .016" to (0,51mm) .020"</p>	<p>-F = Flush Top</p>	<p>-S, -ZS, -ZA, -J, or -K = Printed Circuit -ZS & -ZA = Low Insertion Force</p> <table border="1"> <thead> <tr><th>LEAD STYLE</th><th>X DIA</th><th>Y TAIL</th><th>Z</th></tr> </thead> <tbody> <tr><td>-S or -ZS</td><td>(0,51) .020</td><td>(3,18) .125</td><td>(7,62) .300</td></tr> <tr><td>-ZA</td><td>(0,51) .020</td><td>(4,57) .180</td><td>(8,89) .350</td></tr> <tr><td>-J</td><td>(0,64) .025</td><td>(10,41) .410</td><td>(15,24) .600</td></tr> <tr><td>-K</td><td>(0,89) .035</td><td>(12,95) .510</td><td>(17,86) .703</td></tr> </tbody> </table> <p>Locking lead (-L) available. See OPTION.</p>		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	-J	(0,64) .025	(10,41) .410	(15,24) .600	-K	(0,89) .035	(12,95) .510	(17,86) .703
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Due to technical progress, all designs, specifications and components are subject to change without notice.

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