

SCREW MOUNT DIP SOCKETS IC & ICS SERIES

Mates with:
AP, APS, APO, APA, APE, APH

Highest reliability DIP sockets

IC and ICS series DIP sockets feature U.L. rated G.F. polyester body with mounting holes and use precision machined lead sockets for high reliability in the most demanding applications.

Specifications: IC & ICS

Insulator Material: Black Glass Filled Polyester
Flammability Rating: UL 94V-O
Insulation Resistance: 5000 megohm @ 500 VDC
Temperature Range: -65°C to +125°C
Withstanding Voltage: 1000 VRMS @ 60 Hz
Contact: BeCu
Shell: Brass except style K Phosphor Bronze
Plating: Au over 50µ" Ni or Sn over 100µ" Cu or 50µ" Ni
Current Rating: 1 amp continuous @ 100 VDC per contact
Contact Resistance: 10 milliohms @ 200 milliamp
Socket Retention in Body: 5 lbs against barb
Lead Size Range: .015" to .022" DIA and most IC leads
Insertion Force: Standard = 9 oz avg, 16 oz max (.017" DIA probe); Low Insertion Force = 2.5 oz avg, 5.5 oz max (.018" DIA probe)
Withdrawal Force: Standard = 2.5 oz avg, 1.5 oz min (after 12 insertions with .017" DIA probe); Low Insertion Force = 2.0 oz avg, 0.35 oz min (after 12 insertions with .018" DIA probe)

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

TYPE SOCKET	ROW SPACING & NO. OF CONTACTS
IC = IC Socket	
ICS = IC Socket	

-S*, -A*, -J, or -K
= Printed Circuit
*For LIF Specify -ZS or -ZA

LEAD STYLE	X DIA	Y TAIL	Z
-S or -ZS	(0,51) .020	(3,18) .125	(7,62) 300
-A or -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

Locking lead (-L) available. See OPTION.

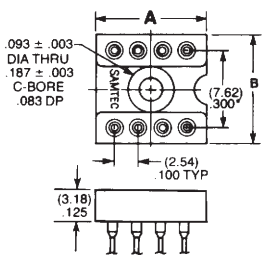
Style S, ZS, A, ZA & J Insertion Depth = .095" to .150"
 Style S Component Part No. = SC-1P1
 Style ZS Component Part No. = EZ-1P1
 Style A Component Part No. = SC-6P1
 Style ZA Component Part No. = EZ-6P1
 Style J Component Part No. = SC-1P3
 Option L Insertion Depth = .095" to .150"
 Option L Component Part No. = SC-1L1 or EZ-1L1
 Style K Insertion Depth = .125" to .170"
 Style K Component Part No. = SC-2P1

Low Insertion Force (LIF) Contacts Available.

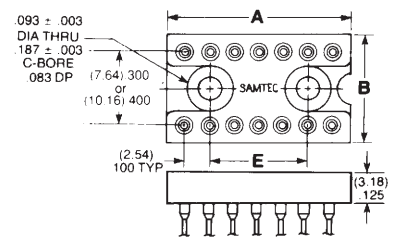
- 306 = .300 Row 6 Contacts
- 314 = .300 Row 14 Contacts
- 610 = .600 Row 10 Contacts
- 308 = .300 Row 8 Contacts
- 316 = .300 Row 16 Contacts
- 614 = .600 Row 14 Contacts
- 310 = .300 Row 10 Contacts
- 318 = .300 Row 18 Contacts
- 616 = .600 Row 16 Contacts
- 320 = .300 Row 20 Contacts
- 324 = .300 Row 24 Contacts
- 618 = .600 Row 18 Contacts
- 422 = .400 Row 22 Contacts
- 424 = .400 Row 24 Contacts

Part No.	A Length	B Width
IC or ICS-306	(8,89) .350	(10,16) .400
IC or ICS-308	(11,43) .450	(10,16) .400
*IC or *ICS-310	(13,97) .550	(10,16) .400

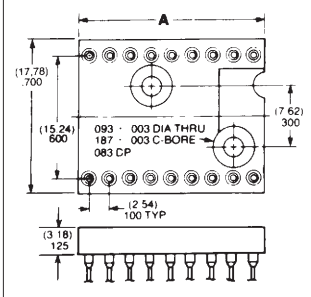
* Mounting hole off center on 10 position.



Part No.	A Length	B Width	E Mnt Holes
IC or ICS-314	(17,78) .700	(10,16) .400	(10,16) .400
IC or ICS-316	(20,32) .800	(10,16) .400	(12,70) .500
IC or ICS-318	(22,86) .900	(10,16) .400	(15,24) .600
IC or ICS-320	(25,40) 1.000	(10,16) .400	(17,78) .700
IC or ICS-324	(30,48) 1.200	(10,16) .400	(22,86) .900
IC or ICS-422	(27,94) 1.100	(10,16) .400	(20,32) .800
IC-424	(30,48) 1.200	(12,70) .500	(22,86) .900

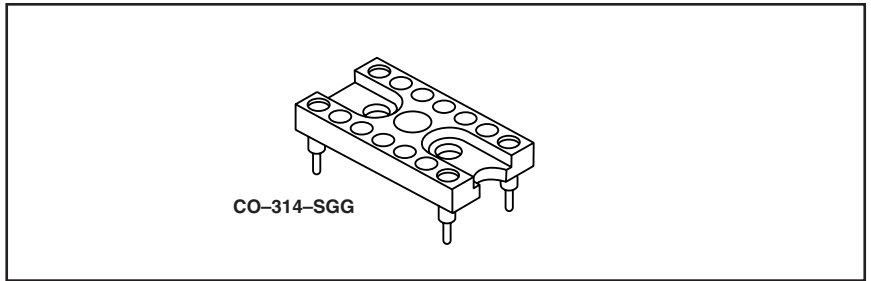


Part No.	A Length
IC-610	(12,70) .500
IC-614	(17,78) .700
IC-616	(20,32) .800
IC-618	(22,86) .900



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

WWW.SAMTEC.COM



LEAD STYLE **PLATING OPTION** **OPTION**
(Leave Blank for Standard Version)

-W
= Wire-Wrap
For LIF Specify -ZW

Shorter w/w tail lengths available. See OPTION.

Insertion Depth = .125" to .170"
Style W Component Part No. = SC-1W1(1)
Style ZW Component Part No. = EZ-1W1(1)
Style W-2 Component Part No. = SC-1W1(2)
Style ZW-2 Component Part No. = EZ-1W1(2)
Style W-3 Component Part No. = SC-1W1(3)
Style ZW-3 Component Part No. = EZ-1W1(3)

-E or -H
= Elevated
For LIF Specify -ZE or -ZH

LEAD STYLE	X DIA	W TAIL	Y	Z
-E or -ZE	(0.51) .020	(4.32) .170	(8.86) .349	(13.77) .543
-H or -ZH	(0.46) .018	(3.81) .150	(12.95) .510	(17.86) .703

Insertion Depth = .125" to .175"
Style E Component Part No. = SC-2P3
Style ZE Component Part No. = EZ-2P3
Style H Component Part No. = SC-2P2
Style ZH Component Part No. = EZ-2P2

GG
= 30µ" Gold Contact
10µ" Gold Shell

GT
= 30µ" Gold Contact
Tin Shell

TT
= Tin Contact and Shell
(-S, -ZS, -W, -ZW, -A, -H only)

ST
= 10µ" Gold Contact
Tin Shell
(-S & -ZS only)

-2
= (9.14) .360 Wire-Wrap Tail

-3
= (6.60) .260 Wire-Wrap Tail

-L
= Locking Socket

Requires Style -S or -ZS and .035"±.003" board hole.

- 624 = .600 Row / 24 Contacts
- 628 = .600 Row / 28 Contacts
- 632 = .600 Row / 32 Contacts
- 640 = .600 Row / 40 Contacts
- 940 = .900 Row / 40 Contacts
- 950 = .900 Row / 50 Contacts
- 964 = .900 Row / 64 Contacts

Part No.	A Length	B Width
IC or ICS-624	(30.48) 1.200	(17.78) .700
IC or ICS-628	(35.56) 1.400	(17.78) .700
IC or ICS-632	(40.64) 1.600	(17.78) .700
IC or ICS-640	(50.80) 2.000	(17.78) .700
*IC-940	(63.50) 2.500	(26.27) 1.050
*IC-950	(63.50) 2.500	(26.27) 1.050
IC-964	(81.28) 3.200	(17.78) .700

*IC-940 and IC-950 are non-standard non-returnable.
†Mounting hole off center on 50 positions

CRYSTAL OSCILLATOR CO SERIES

SPECIFY PART NUMBER FROM CHART BELOW **OPTION**
(Leave Blank for Standard Version)

Part Number	Termination Suffix*		Number of Contacts	Contact Finish	Shell Finish
	P.C.	W/W			
CO-314	-SGG	-WGG	4	Gold Gold Tin	Gold Tin Tin
	-SGT	-WGT			
	-STT	-WTT			
CO-316	-SGG	-WGG	4	Gold Gold Tin	Gold Tin Tin
	-SGT	-WGT			
	-STT	-WTT			
CO-624	-SGG	-WGG	4	Gold Gold Tin	Gold Tin Tin
	-SGT	-WGT			
	-STT	-WTT			

-2
= (9.14) .360 Wire-Wrap Tail

-3
= (6.60) .260 Wire-Wrap Tail

Requires Style -W or -ZW

Specify desired suffix for shorter Wire-Wrap tail.

*For LIF contacts substitute -ZS for -S and -ZW for -W.

Crystal Oscillator
Accepts any component leads from .015" to .022" diameter. Low profile with precision machined lead sockets for high retention and reliability.

Specifications:
CO
Same as IC Series.

CO-314 shown

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