

samtec

**MOLD-TO-POSITION
PRODUCT**
Minimums or set-up charges
may apply. Call Samtec.

IC-314-SGT

ICS-310-SGT

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-0

Insulation Resistance:

5000 megohm @ 500 VDC

Temperature Range:

-55°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 milliamperes

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

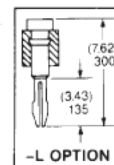
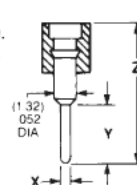
= Printed Circuit

*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

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

Locking lead
(-L) available.
See OPTION.



Low Insertion Force (LIF) Contacts Available.

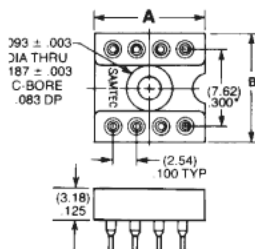
-306 = .300 Row 6Contacts

-308 = .300 Row 8 Contacts

-310 = .300 Row 10 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.



-314 = .300 Row 14 Contacts

-316 = .300 Row 16 Contacts

-318 = .300 Row 18 Contacts

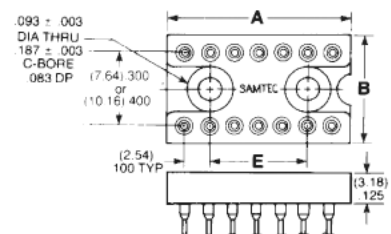
-320 = .300 Row 20 Contacts

-324 = .300 Row 24 Contacts

-422 = .400 Row 22 Contacts

-424 = .400 Row 24 Contacts

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



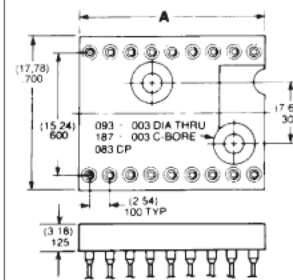
-610 = .600 Row 10 Contacts

-614 = .600 Row 14 Contacts

-616 = .600 Row 16 Contacts

-618 = .600 Row 18 Contacts

Part No.	A Length
IC-610	(12.70) .500
IC-614	(17.78) .700
IC-616	(20.32) .800
IC-618	(22.86) .900



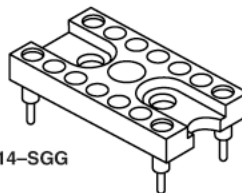
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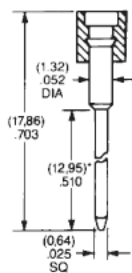
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CO-314-SGG

LEAD STYLE

-W

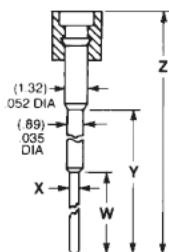
 = Wire-Wrap
For LIF Specify -ZW

 Shorter
w/w tail
lengths
available.
See
OPTION.

 Insertion Depth
= .125" to .175"
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


PLATING OPTION

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)

OPTION (Leave Blank for Standard Version)

-2

 = (9.14).360
Wire-Wrap
Tail

Wire-Wrap Option

 Requires Style
-W or -ZW

-3

 = (6.60).260
Wire-Wrap
Tail

 Specify desired
suffix for shorter
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

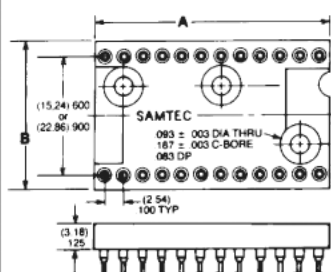
-632 = .600 Row / 32 Contacts

-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		
*IC-950	(63.50) 2.500	(26.27) 1.050
IC-964	(81.28) 3.200	

 *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

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			

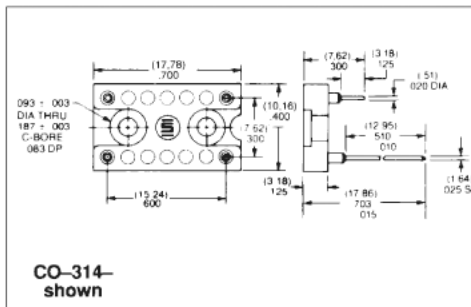
*For LIF contacts substitute -ZS for -S and -ZW for -W.

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

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