

samtec

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

IC-314-SGT

IC-310-SGT

SCREW MOUNT DIP SOCKETS IC SERIES

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

Highest reliability DIP sockets

IC 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

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 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

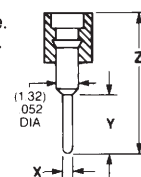
-S*, -A*, -J, or -K

= Printed Circuit

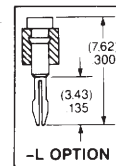
*For LIF Specify -ZS or -ZA

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.

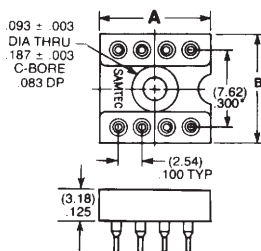
-306 = .300 Row / 6 Contacts

-308 = .300 Row / 8 Contacts

-310 = .300 Row / 10 Contacts

Part No.	A Length	B Width
IC-306	(8.89) .350	(10.16) .400
IC-308	(11.43) .450	(10.16) .400
*IC-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

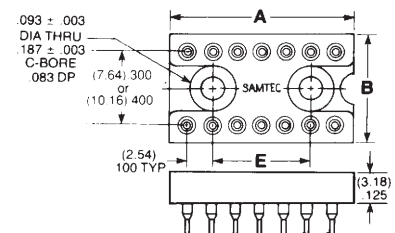
-320 = .300 Row / 20 Contacts

-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-314	(17.78) .700	(10.16) .400	(10.16) .400
IC-316	(20.32) .800	(10.16) .400	(12.70) .500
IC-318	(22.86) .900	(10.16) .400	(15.24) .600
IC-320	(25.40) 1.000	(10.16) .400	(17.78) .700
IC-324	(30.48) 1.200	(10.16) .400	(22.86) .900
IC-422	(27.94) 1.100	(10.16) .400	(20.32) .800
IC-424	(30.48) 1.200	(12.70) .500	(22.86) .900



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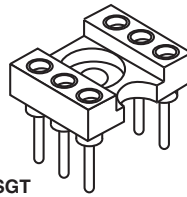
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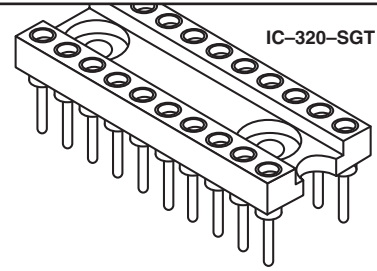
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PRODUCT**

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IC-306-SGT

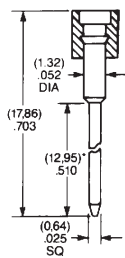


IC-320-SGT



LEAD STYLE

-W
= Wire-Wrap
For LIF Specify -ZW



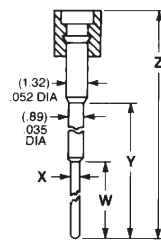
Shorter
w/w tail
lengths
available.
See
OPTION.

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
= 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
-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 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
Specify desired
suffix for shorter
Wire-Wrap tail.

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

-L
= Locking
Socket

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

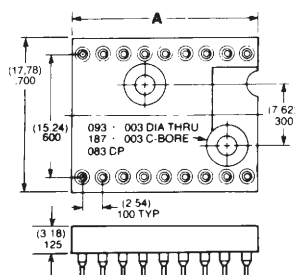
-610 = .600 Row / 10 Contacts

-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



-624 = .600 Row / 24 Contacts

-628 = .600 Row / 28 Contacts

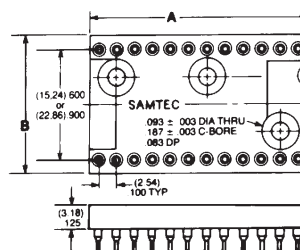
-632 = .600 Row / 32 Contacts

-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-624	(30.48) 1.200	(17.78) .700
IC-628	(35.56) 1.400	(17.78) .700
IC-632	(40.64) 1.600	(17.78) .700
IC-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

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