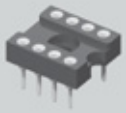
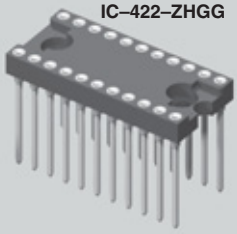
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MOLD-TO-POSITION PRODUCT
Minimums or set-up charges may apply. Call Samtec.


IC–308–SGT


IC–422–ZHGG

(2,54mm) .100"
IC SERIES

SCREW MOUNT DIP SOCKETS

Mates with:
APA

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.

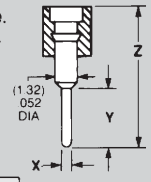
TYPE SOCKET - **ROW SPACING & NO. OF CONTACTS** - **–S*, –A*, or –J**

IC
= IC Socket

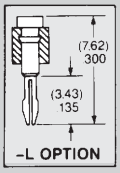
–S*, –A*, or –J
= Printed Circuit
* For LIF Specify –ZS or –ZA

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

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

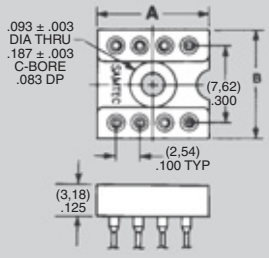


Low Insertion Force (LIF) Contacts Available.

–306 = .300 Row / 6 Contacts
–308 = .300 Row / 8 Contacts
–310 = .300 Row / 10 Contacts

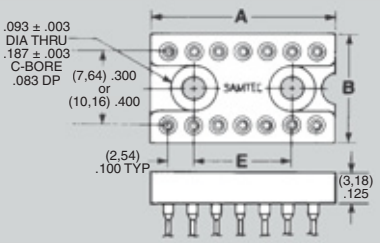
Part No.	A Length	B Width
IC-306	(8,89) .350	(10,16) .400
IC-308	(11,43) .450	(10,16) .400
*IC-310	(13,97) .550	(10,16) .400

* 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

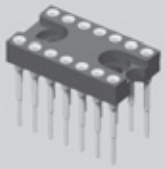
Part No.	A Length	B Width	E Mnt Holes
IC-314	(17,78) .700	(10,16) .400	(10,16) .400
IC-316	(20,32) .800	(10,16) .400	(12,70) .500
IC-318	(22,86) .900	(10,16) .400	(15,24) .600
IC-320	(25,40) 1.000	(10,16) .400	(17,78) .700
IC-324	(30,48) 1.200	(10,16) .400	(22,86) .900
IC-422	(27,94) 1.100	(10,16) .400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

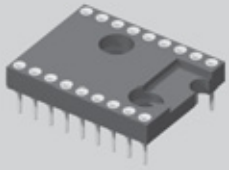


Due to technical progress, all designs, specifications and components are subject to change without notice.

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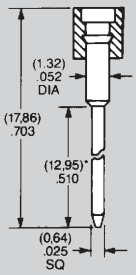
MOLD-TO-POSITION PRODUCT
Minimums or set-up charges may apply. Call Samtec.


IC–314–WGT


IC–618–SGT

LEAD STYLE

–W
= Wire-Wrap
For LIF Specify –ZW

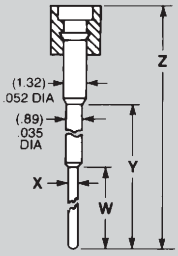


Shorter w/w tail lengths available. See OPTION.

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)

–ZE, –ZH
= Elevated
For LIF Specify –ZE or –ZH

LEAD STYLE	X DIA	W TAIL	Y	Z
–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 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)

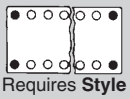
OPTION
(Leave Blank for Standard Version)

–2
= (9,14).360 Wire-Wrap Tail

–3
= (6,60).260 Wire-Wrap Tail

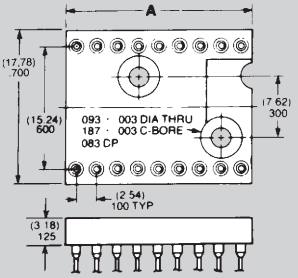
Wire-Wrap Option
Requires **Style –W or –ZW**
Specify desired suffix for shorter Wire-Wrap tail.

–L
= Locking Socket

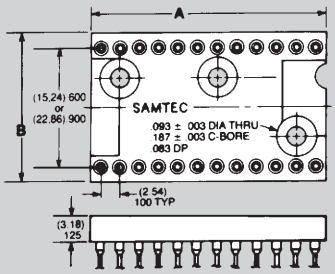

Requires **Style –S or –ZS** and .035"± .003" board hole.
Requires GT plating option

–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		(26,27)1.050
*†IC-950	(63,50) 2.500	
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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