samtec

IC–422–ZHGG

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

IC–308–SGT

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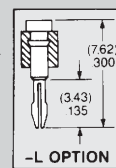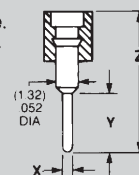Some sizes, styles and options are non-standard, non-returnable.

FILE NO. E111594

TYPE SOCKET	-	ROW SPACING & NO. OF CONTACTS	-

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.

(1,32) 052 DIA

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

(7,62) 300

(3,43) 135

–L OPTION

Low Insertion Force (LIF) Contacts Available.

–306 = .300 Row / 6 Contacts	**–314** = .300 Row / 14 Contacts
–308 = .300 Row / 8 Contacts	**–316** = .300 Row / 16 Contacts
–310 = .300 Row / 10 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
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.
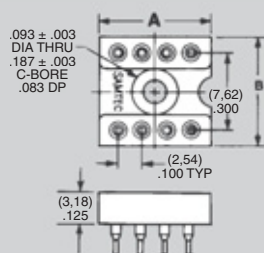
Part No.	A Length	B Width	E Mnt Holes
IC-314	(17,78) .700	(10,16) .400	(10,16) .400
IC-316	(20,32) .800	(10,16) .400	(12,70) .500
IC-318	(22,86) .900	(10,16) .400	(15,24) .600
IC-320	(25,40) 1.000	(10,16) .400	(17,78) .700
IC-324	(30,48) 1.200	(10,16) .400	(22,86) .900
IC-422	(27,94) 1.100	(10,16) .400	(20,32) .800
IC-424	(30,48) 1.200	(12,70) .500	(22,86) .900
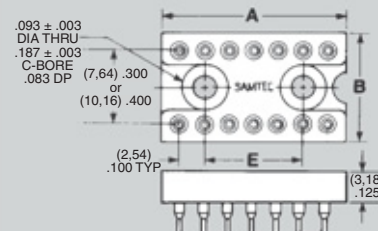
.093 ± .003 DIA THRU
.187 ± .003 C-BORE
.083 DP
(7,62) .300
(2,54) .100 TYP
(3,18) .125

.093 ± .003 DIA THRU
.187 ± .003 C-BORE
.083 DP
(7,64) .300 or (10,16) .400
(2,54) .100 TYP
(3,18) .125

Due to technical progress, all designs, specifications and components are subject to change without notice.
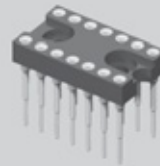
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IC–314–WGT

IC–618–SGT

LEAD STYLE

–W
= Wire-Wrap
For LIF Specify –ZW

Shorter w/w tail lengths available. See OPTION.

(1.32) .052 DIA

(17,86) .703

(12,95)* .510

(0,64) .025 SQ

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

(1.32) .052 DIA
(.89) .035 DIA

Insertion Depth = .125" to .175"
Style ZE Component Part No. = EZ-2P3
Style ZH Component Part No. = EZ-2P2
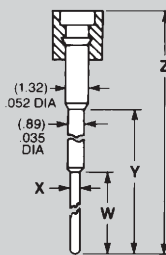
PLATING OPTION

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.
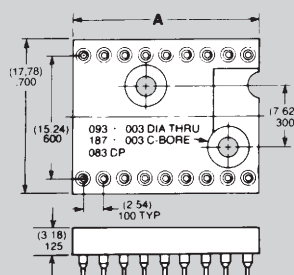Requires GT plating option

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–610 = .600 Row / 10 Contacts		**–624** = .600 Row / 24 Contacts	
–614 = .600 Row / 14 Contacts		**–628** = .600 Row / 28 Contacts	
–616 = .600 Row / 16 Contacts		**–632** = .600 Row / 32 Contacts	
–618 = .600 Row / 18 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
IC-610	(12,70).500
IC-614	(17,78).700
IC-616	(20,32).800
IC-618	(22,86).900

(17,78) .700
(15,24) .600
093 ± .003 DIA THRU
187 ± .003 C-BORE
083 C.P
(7,62) .300
(2,54) .100 TYP
(3,18) .125
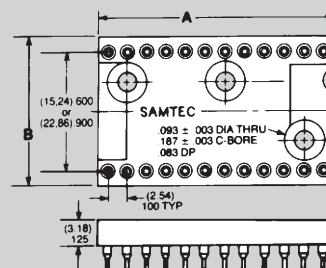
Part No.	A Length	B Width
IC-624	(30,48) 1.200	(17,78) .700
IC-628	(35,56) 1.400	(17,78) .700
IC-632	(40,64) 1.600	(17,78) .700
IC-640	(50,80) 2.000	(17,78) .700
*IC-940	(63,50) 2.500	(26,27)1.050
*†IC-950		
IC-964	(81,28) 3.200	

*IC–940 and IC–950 are non–standard non–returnable.

†Mounting hole off center on 50 positions

(15,24) .600 or (22,86) .900
SAMTEC
093 ± .003 DIA THRU
187 ± .003 C-BORE
083 DP
(2,54) .100 TYP
(3,18) .125

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