

samtec

**MOLD-TO-POSITION
PRODUCT**

 Minimums or set-up charges
may apply. Call Samtec.

(2,54mm) .100"

ALC SERIES

ALC-314-SGT



ALC-624-NGG



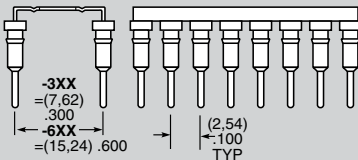
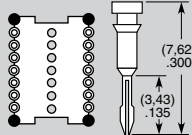
ALUMINUM DIP SOCKET CARRIER

 Mates with:
APA

Aluminum Carriers for Direct Soldering to PC Boards

Samtec aluminum carriers are available in the most popular DIP lead counts for direct mounting of lead sockets to the printed circuit board. They are ideal for vapor phase, infrared and other high temperature soldering techniques.

Low insertion force, six-finger contacts or standard insertion force four-finger contacts are available. Shell styles include ultra-low profile designs.

ALC	ROW SPACING & NO. OF CONTACTS	STYLE OPTION	PLATING OPTION	OTHER OPTION																							
Specify from chart below																											
																											
	<table><tr><th></th><th>Row Space</th><th>No. of Contacts</th></tr><tr><td>-314</td><td rowspan="4">(7,62) .300</td><td>14</td></tr><tr><td>-316</td><td>16</td></tr><tr><td>-318</td><td>18</td></tr><tr><td>-320</td><td>20</td></tr><tr><td>-324</td><td rowspan="5">(15,24) .600</td><td>24</td></tr><tr><td>-624</td><td>24</td></tr><tr><td>-628</td><td>28</td></tr><tr><td>-632</td><td>32</td></tr><tr><td>-640</td><td>40</td></tr></table>		Row Space	No. of Contacts	-314	(7,62) .300	14	-316	16	-318	18	-320	20	-324	(15,24) .600	24	-624	24	-628	28	-632	32	-640	40			
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-314	(7,62) .300	14																									
-316		16																									
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-628		28																									
-632		32																									
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			GG = 30μ" (0,76μm) Gold Contact 10μ" (0,25μm) Gold Shell	-L = Locking Socket Requires Style -S, -ZS, or -ZP and .035"±.003" board hole.  Requires GT Plating Option Lead DIA Accepted = .015" to .022" (0,38mm to 0,56mm) Insertion Depth = .095" to .150" (2,41mm to 3,81mm) Component Part No. = SC-1L1 or EZ-1L1																							
			GT = 30μ" (0,76μm) Gold Contact, Tin Shell																								
			TT = Tin Contact and Shell (Styles -S, -ZS, -L, -M, -N only)																								
			ST = 10μ" (0,25μm) Gold Contact Tin Shell (Styles -S & -ZS only)																								

Low Insertion Force (LIF) Contacts Available.

SPECIFICATIONS

 For complete specifications
see www.samtec.com?ALC
Insulator Material:

None

Carrier Material:

Aluminum

Contact: BeCu

Shell: Brass

Plating:

Au over 50μ" (1,27μm) Ni

or Sn over 100μ" (2,54μm)

Cu or 50μ" (1,27μm) Ni

Current Rating:

1 A

Contact Resistance:

10 mΩ min

Insertion Force:

Standard = 9 oz (2,50N)

avg, 16 oz (4,45N) max

Low Insertion Force =

2.5 oz (0,70N) avg, 5.5 oz

(1,53N) max

Withdrawal Force:

Standard = 2.5 oz (0,70N) avg,

1.5 oz (0,42N) min

Low Insertion Force = 2.0 oz

(0,56N) avg, 0.35 oz (0,10N)

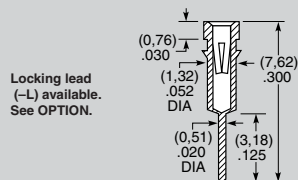
min except Styles ZM & ZN

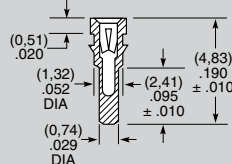
= 2.0 oz (0,56N) avg, 0.5 oz

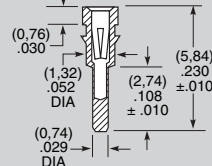
(0,14N) min

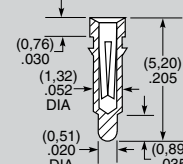
Note:

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

-S = Standard Solder Tail
For LIF Specify -ZS

 Lead DIA Accepted = .015" to .022" (0,38mm to 0,56mm)
 Insertion Depth = .095" to .150" (2,41mm to 3,81mm)
 Style S Component Part No. = SC-1P1
 Style ZS Component Part No. = EZ-1P1

-M = Low Profile, Standard Mount
For LIF Specify -ZM

 Lead DIA Accepted = .016" to .021" (0,41mm to 0,53mm)
 Insertion Depth = .080" to .115" (2,03mm to 2,92mm)
 Style M Component Part No. = SC-4P1
 Style ZM Component Part No. = EZ-4P1

-L = Low Profile, Hollow Leg
For LIF Specify -ZL

 Lead DIA Accepted = .015" to .020" (0,38mm to 0,51mm)
 Insertion Depth = .105" to .170" (2,76mm to 4,32mm)
 Style L Component Part No. = SC-3P1
 Style ZL Component Part No. = EZ-3P1

-N = Low Profile, Micro Socket
For LIF Specify -ZN

 Lead DIA Accepted = .016" to .020" (0,41mm to 0,51mm)
 Insertion Depth = .080" to .150"
 Style N Component Part No. = SC-5P1
 Style ZN Component Part No. = EZ-5P1

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

WWW.SAMTEC.COM

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