



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

ALC-314-SGT



ALC-624-NGG

(2,54mm) .100"

ALC SERIES

# 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 border="1"> <thead> <tr> <th></th> <th>Row Space</th> <th>No. of Contacts</th> </tr> </thead> <tbody> <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="4">(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></td> <td>40</td> </tr> </tbody> </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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		<b>GG</b> = 30µ" (0,76µm) Gold Contact 10µ" (0,25µm) Gold Shell	<b>GT</b> = 30µ" (0,76µm) Gold Contact, Tin Shell	<b>-L</b> = Locking Socket  Requires Style -S, -ZS, or -ZP and .035"±.003" board hole.																								
		<b>TT</b> = Tin Contact and Shell (Styles -S, -ZS, -L, -M, -N only)	<b>ST</b> = 10µ" (0,25µm) Gold Contact Tin Shell (Styles -S & -ZS only)	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																								

Low Insertion Force (LIF) Contacts Available.

## SPECIFICATIONS

For complete specifications see [www.samtec.com?ALC](http://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

**-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

**-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

**-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.

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