



DIP SOCKET CARRIERS ALC SERIES

Mates with:
APO, APA, APH

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.

Specifications: 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.

ALC	ROW SPACING & NO. OF CONTACTS	STYLE OPTION	PLATING OPTION	OTHER OPTION																			
Specify from chart below																							
	<table border="1"> <thead> <tr> <th>Row Space</th> <th>No. of Contacts</th> </tr> </thead> <tbody> <tr> <td>-314</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>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> </tbody> </table>	Row Space	No. of Contacts	-314	14	-316	16	-318	18	-320	20	-324	24	-624	24	-628	28	-632	32	-640	40	<p>GG = 30µ" (0,76µm) Gold Contact 10µ" (0,25µm) Gold Shell</p> <p>GT = 30µ" (0,76µm) Gold Contact 200µ" (5,08µm) Tin Shell</p> <p>TT = 200µ" (5,08µm) Tin Contact and Shell (Styles -S, -ZS, -L, -M, -N only)</p> <p>ST = 10µ" (0,25µm) Gold Contact 200µ" (5,08µm) Tin Shell (Styles -S & -ZS only)</p>	<p>-L = Locking Socket</p> <p>Requires Style -S, -ZS, or -ZP and .035"±.003" board hole.</p> <p>Requires GT Plating Option</p> <p>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</p>
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Low Insertion Force (LIF) Contacts Available.

-S = Standard Solder Tail
For LIF Specify -ZS

Locking lead (-L) available. See OPTION.

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

-ZD = Micro Socket
Low Insertion Force

Lead DIA Accepted = .015" to .022" (0,38mm to 0,56mm)
 Insertion Depth = .080" to .115" (2,03mm to 2,92mm)
 Style ZD Component Part No. = EP-101

-ZP = Short Tail
Low Insertion Force

Locking lead (-L) available. See OPTION.

Lead DIA Accepted = .015" to .022" (0,38mm to 0,56mm)
 Insertion Depth = .125" to .150" (3,18mm to 3,81mm)
 Style ZP Component Part No. = EZ-1M1

-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