

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

	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

GG

= 30μ" (0,76μm) Gold Contact 10μ" (0,25μm) Gold Shell

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)

-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

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)

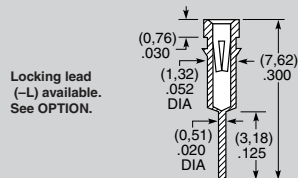
min except Styles ZM & ZN

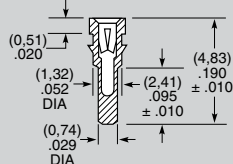
= 2.0 oz (0,56N) avg, 0.5 oz

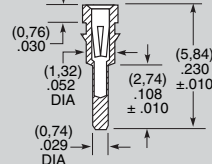
(0,14N) min

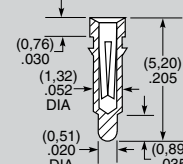
Note:

 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

SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 SAMTEC SILICON VALLEY • Tel: 408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: 1-800-726-8329
 SAMTEC AMERICA LATINA COMERCIO EXTERIOR LTDA • Tel: (+55 31) 3786 3227 SAMTEC UNITED KINGDOM • Tel: 44 01236 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0
 SAMTEC FRANCE • Tel: 33 01 60 95 06 60 SAMTEC ITALY • Tel: 39 039 6890337 SAMTEC NORDIC/BALTIC • Tel: +46-84477280 SAMTEC BENELUX • Tel: 44 01236 739292 SAMTEC ISRAEL • Tel: 972-3-7526600
 SAMTEC INDIA • Tel: +91-80-3272 1612 SAMTEC ASIA PACIFIC • Tel: 65 6745-5955 SAMTEC JAPAN • Tel: 045-475-1385 SAMTEC CHINA • Tel: 86-21-61103766 SAMTEC TAIWAN • Tel: 886-2-2735-6109
 SAMTEC HONG KONG • Tel: 852-26904858 SAMTEC KOREA • Tel: 82-31-717-5685 SAMTEC ANZ • Tel: 613 9512 7747 SAMTEC SOUTH AFRICA • Tel: 27 11 452 8112