

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

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

STYLE
OPTION

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)

PLATING
OPTION

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)

OTHER
OPTION

-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

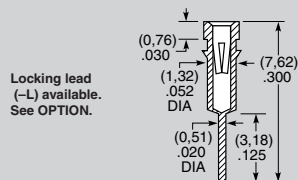
= 2.0 oz (0,56N) avg, 0.5 oz

(0,14N) min

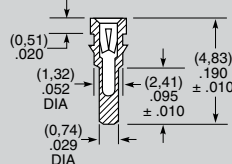
Note:

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

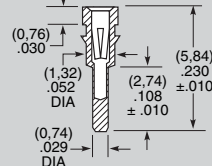
-S = Standard Solder Tail For LIF Specify -ZS


 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

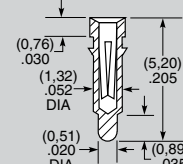
-M = Low Profile, Standard Mount For LIF Specify -ZM


 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

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