

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

ALC-314-SGT



(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

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.

ROW SPACING & NO. OF CONTACTS Specify from chart below -3XX =(7,62) .300 Row No. of Contacts Space -314 -316 16 (7,62)-318 18 -320 20 -324 24 -624 24 -628 28 (15,24) -632 32

STYLE OPTION

PLATING OPTION

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

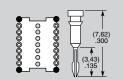
> GT = 30μ" (0,76μm) Gold Contact, Tin Shell

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

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:

Carrier Material:
Aluminum
Contact: BeCu
Shell: Brass
Plating:

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 m Ω 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

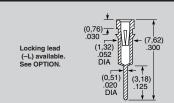
Withdrawal Force: Standard = 2.5 oz (0,70N) avg, 1.5 oz (0,42N) min Low Insertion Force = 2.0 oz

(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:

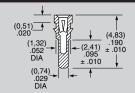
Some sizes, styles and options are non-standard, non-returnable.

—S = Standard Solder Tail For LIF Specify –ZS



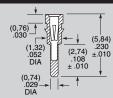
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Lead DIA Accepted = .015" to .022" (0,38mm to 0,56mm) Insertion Depth = .095" to .150" (2,41mm to 3,81mm) Style S Component Part No. = SC-1P1 Style ZS Component Part No. = EZ-1P1



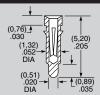
Lead DIA Accepted = .016" to .021" (0,41mm to 0,53mm Insertion Depth = .080" to .115" (2,03mm to 2,92,mm) Style M Component Part No. = SC-4P1 Style ZM Component Part No. = EZ-4P1

─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 Z 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 N Component Part No. = EZ-5P1

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