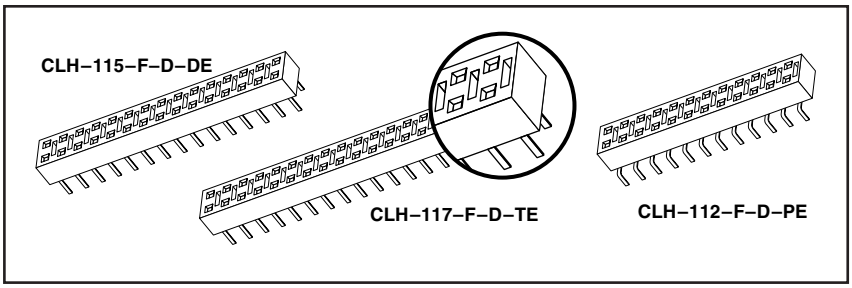
samtec



Through T/H Hole

LOW PROFILE SOCKET CLH SERIES

Mates with:
TSW, MTSW, DW, EW, ZW, TLW, TSM, MTLW

SPECIFICATIONS

For complete specifications see www.samtec.com?CLH

Insulator Material:
Black Liquid Crystal Polymer
FILE NO. E111594
Contact Material:
Phosphor Bronze
Operating Temp Range:
-65°C to +125°C with Gold
-65°C to +105°C with Tin
Max Processing Temp:
230°C for 60 seconds
Plating:
Au or Sn over
50µ" (1,27µm) Ni
SMT Lead Coplanarity:
(0,10mm) .004" max
Contact Resistance:
10 mΩ max
Insertion Depth:
(2,67mm) .105" to
(3,43mm) .135"
plug from top, (3,18mm)
.125" min plus board
thickness plug from bottom
Insertion Force:
4.0oz (1,11N) average
Normal Force:
50 grams (0,48N)
Withdrawal Force:
1.1oz (0,31N) average
Max Cycles:
100 with 10µ" (0,25µm) Au

TIGER CLAW CONTACT

CURRENT RATING	
AMBIENT TEMPERATURE	DW mated with CLH
20°C	2.2A
40°C	2A
60°C	1.8A
80°C	1.2A

Note: Some lengths, styles and options are non-standard, non-returnable.

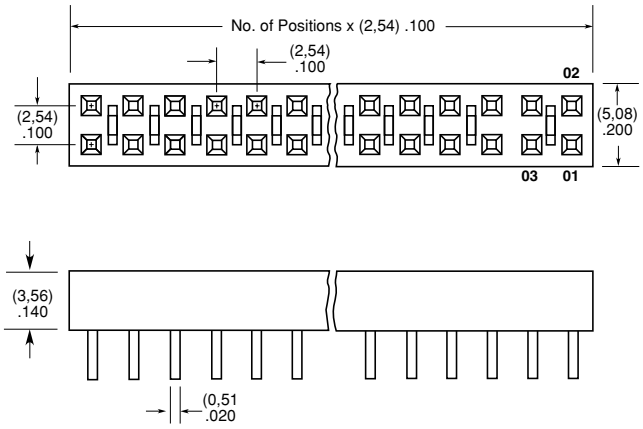
CLH – 1 – NO. PINS PER ROW – PLATING OPTION – D – ENTRY OPTION

–L = Pre-plated 10µ" (0,25µm) Gold on contact, Tin on tail

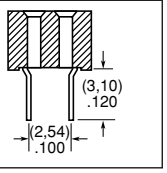
–F = Pre-plated Gold flash on contact, Tin on tail

–S = Pre-plated 30µ" (0,76µm) Gold on contact, Tin on tail

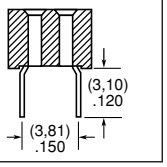
02 thru 50



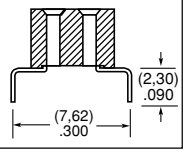
–TE
= Top Entry



–DE
= Dual Entry (Top or Bottom Entry) Cannot be used with plated through-holes for bottom entry.



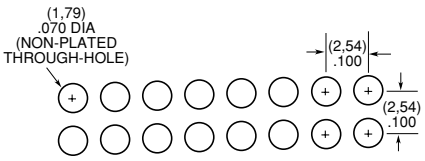
–PE
= Pass-Through (Top or Bottom Entry)



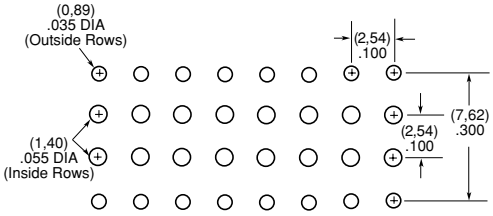
SUGGESTED PCB LAYOUTS

For reference only. Please contact Samtec or go to www.samtec.com?CLH for recommended PCB layout.

Board fixturing may be required to assure proper alignment for Pass-Through applications.



–DE



–PE

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

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