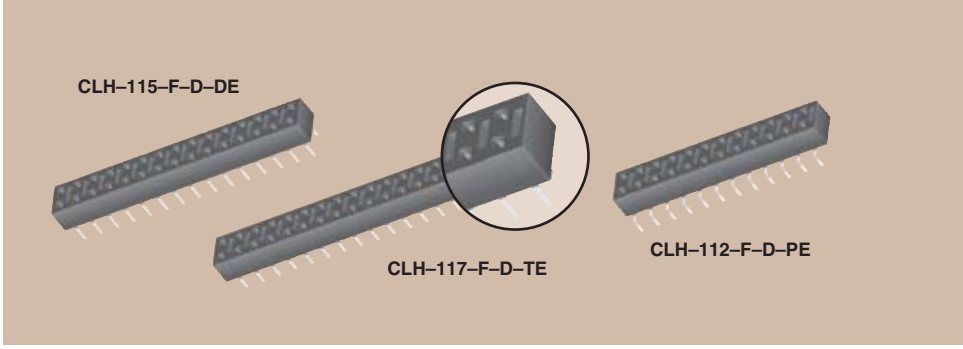
samtec



(2,54mm) .100"

CLH SERIES

THROUGH-HOLE LOW PROFILE SOCKET

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?CLH

Insulator Material:
Black Liquid Crystal Polymer
Contact Material:
Phosphor Bronze
Operating Temp Range:
-65°C to +125°C with Gold
-65°C to +105°C with Tin
Plating:
Au or Sn over 50µ" (1,27µm) Ni
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
RoHS Compliant:
Yes

Processing:

Lead–Free Solderable:
Yes

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

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

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

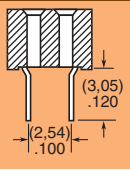
–F
= Pre-plated Gold flash on contact, 75µ" (1,91µm) Matte Tin on tail

–L
= Pre-plated 10µ" (0,25µm) Gold on contact, 75µ" (1,91µm) Matte Tin on tail

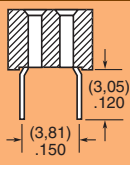
Note: Other Gold plating options available. Contact Samtec.

02 thru 50

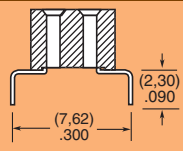
–TE
= Top Entry



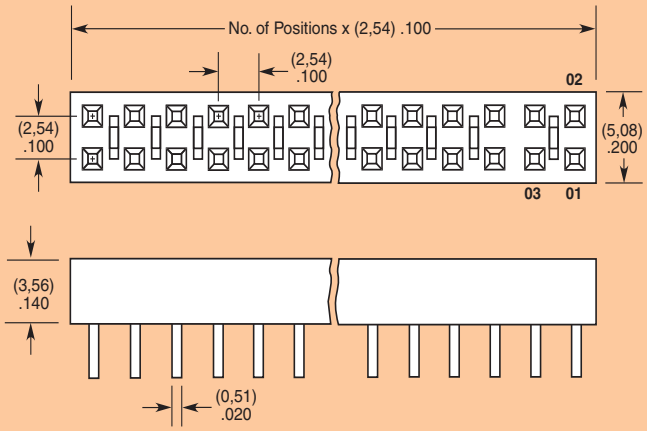
–DE
= Dual Entry (Top or Bottom Entry) Cannot be used with plated through-holes for bottom entry.



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



TIGER CLAW CONTACT™



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

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