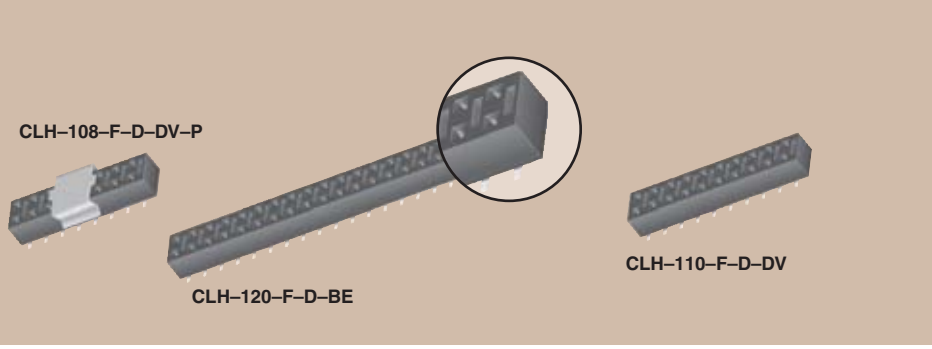
samtec



(2,54mm) .100"

CLH SERIES

SMT 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
SMT Lead Coplanarity:
(0,10mm) .004" max

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

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

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

02 thru 50

PLATING OPTION

–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.

ENTRY OPTION

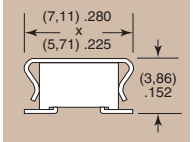
–DV
= Top Entry

–BE
= Bottom Entry

OTHER OPTION

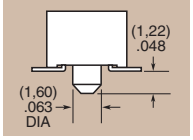
–K
= (6,50mm) .256" DIA Polyimide film Pick & Place Pad (3 positions min.)

–P
= Pick & Place Pad (3 positions minimum)

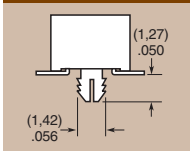


Not always necessary for auto placement. Call Samtec.

–A
= Alignment Pin (4 positions minimum)

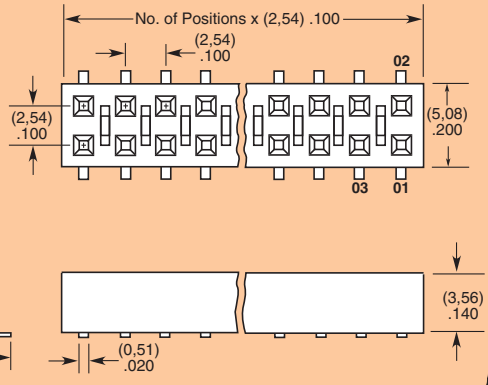


–LC
= Locking Clip



–TR
= Tape & Reel Packaging (29 positions maximum)

TIGER CLAW CONTACT™



TAPE & REEL AVAILABILITY

No tooling charges.
Minimum order is the lesser of a full reel quantity or 125 pieces.
Order any quantity above minimum.
In-house design, manufacture.
Quick turn-around.

Call Samtec for specifications and ordering information.

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

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