

(2,54mm) .100"

CLH SERIES

CLH-108-F-D-DV-P



CLH-120-F-D-BE



CLH-110-F-D-DV



# SMT LOW PROFILE SOCKET

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?CLH](http://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

**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

CLH

1

NO. PINS PER ROW

PLATING OPTION

D

ENTRY OPTION

OTHER OPTION

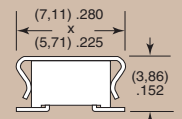
**Mates with:**  
TSW, MTSW, HW, DW,  
EW, ZW, TLW, TSM,  
MTLW

-DV  
= Top Entry

-BE  
= Bottom Entry

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

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



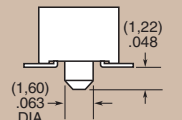
Not always necessary for auto placement. Call Samtec.

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

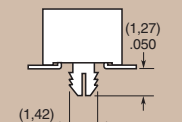
-L  
= Pre-plated 10µ" (0,25µm)  
Gold on contact,  
75µ" (1,91µm) Matte Tin on tail

**Note:** Other Gold plating options available. Contact Samtec.

-A  
= Alignment Pin  
(4 positions minimum)

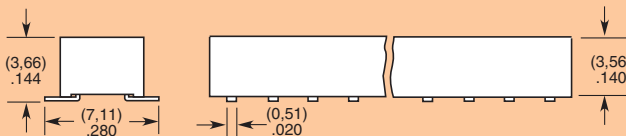
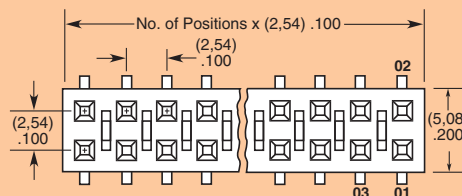


-LC  
= Locking Clip



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

02 thru 50



**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.

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

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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)