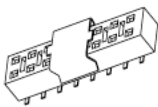


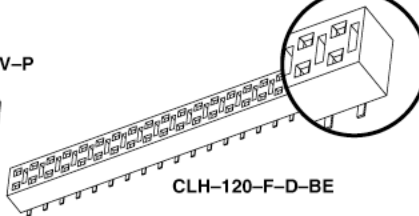
samtec



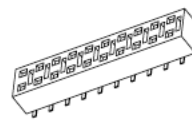
CLH-108-F-D-DV-P



CLH-120-F-D-BE



CLH-110-F-D-DV



Surface
SMT
Mount

LOW PROFILE SOCKET CLH SERIES

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

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:
-55°C to +125°C with Gold
-55°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:

Max Processing Temp:

230°C for 60 seconds, or

260°C for 20 seconds 3x

with Matte Sn plating

Lead-Free Solderable:

Yes, with Matte Sn plating

SMT Lead Coplanarity:

(0,10mm) .004" max

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

APPLICATION SPECIFIC OPTION

Polarized option available.
Call Samtec.



—S or —SM

Pre-plated 30μ" (0,76μm) Gold on contact,
Tin-Lead (—S) or Matte Tin (—SM) on tail

—L or —LM

= Pre-plated 10μ" (0,25μm) Gold on contact,
Tin-Lead (—L) or Matte Tin (—LM) on tail

—F or —FM

= Pre-plated Gold flash on contact,
Tin-Lead (—F) or Matte Tin (—FM) on tail

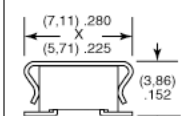
—DV
= Top
Entry

—BE
= Bottom
Entry

OTHER
OPTION

—K
(Best Cost Option)
= (6,50mm) .256"
DIA Polyimide film
Pick & Place Pad
(4 positions min.)

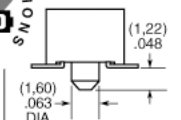
—P
= Pick & Place Pad
(4 positions
minimum)



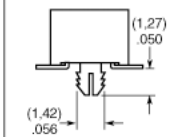
Not always
necessary for
auto placement.
See Flex
Processing.



—A
= Alignment Pin
(5 positions
minimum)



—LC
= Locking
Clip



—TR
= Tape & Reel
Packaging

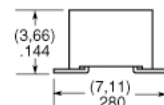
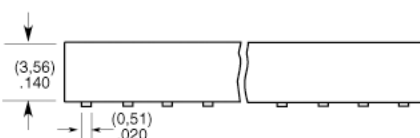
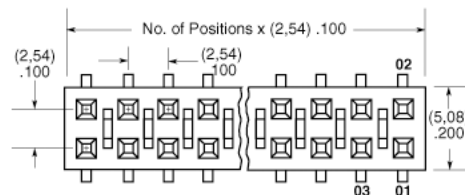
CURRENT RATING

AMBIENT TEMPERATURE	TSM mated with CLH
20°C	3.2A
40°C	2.8A
60°C	2.3A
80°C	1.6A

TAPE & REEL AVAILABILITY

No tooling charges.
125 piece minimum order.
Order any quantity above minimum.
In-house design, manufacture.
Quick turn-around.
Call Samtec for specifications
and ordering information.

02 thru 50



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

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