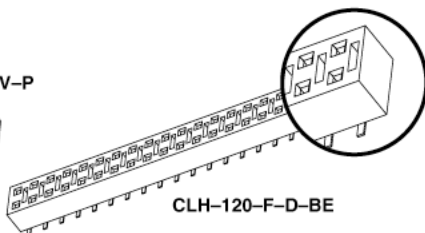
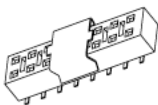
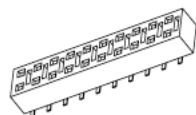




CLH-108-F-D-DV-P



CLH-120-F-D-BE



CLH-110-F-D-DV



-SM, -LM,
-FM only:

RoHS Compliant
Pb
LEAD

www.samtec.com/lead-free

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



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

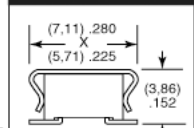
-F or -FM
= Pre-plated Gold flash on contact,
Tin-Lead (-F) or Matte Tin (-FM) on tail

-DV
= Top Entry

-BE
= Bottom Entry

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

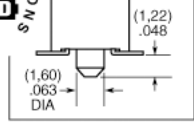
-P
= Pick & Place Pad
(4 positions
minimum)



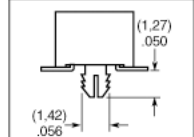
Not always necessary for auto placement. See Flex Processing.



-A
= Alignment Pin
(5 positions minimum)



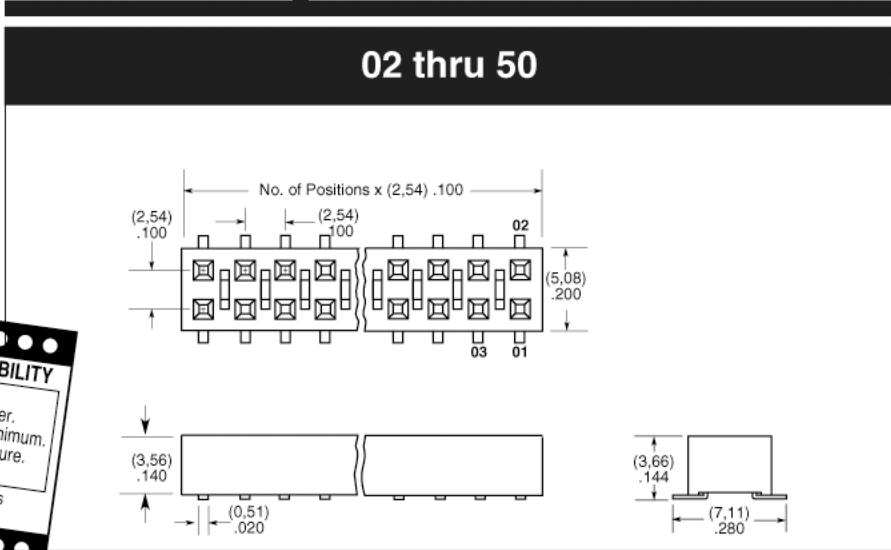
-LC
= Locking Clip



-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.

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

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