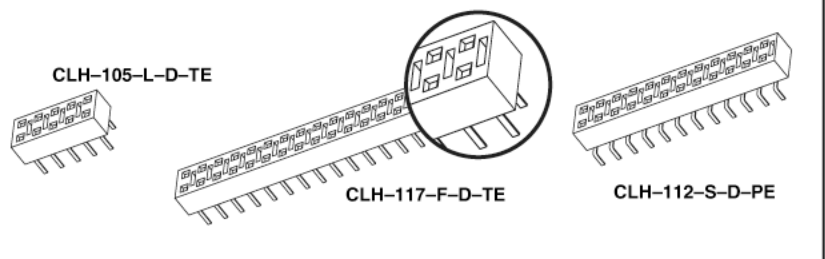


samtec



LOW PROFILE SOCKET CLH SERIES

Mates with:
TSW, MTSW, 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:

Wave, or reflow with

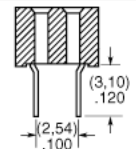
Matte Sn plating

SMT Lead Coplanarity:

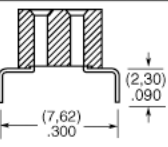
(0,10mm) .004" max



–TE
= Top Entry



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



–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

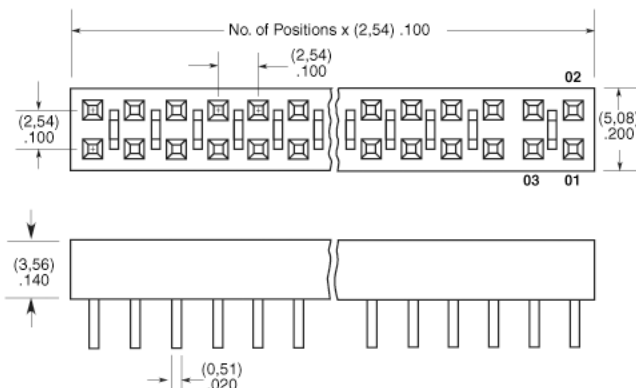
= Pre-plated Gold flash on contact,
Tin-Lead (–F) or Matte Tin (–FM) on tail

CURRENT RATING

AMBIENT TEMPERATURE	DW mated with CLH
20°C	2.2A
40°C	2A
60°C	1.8A
80°C	1.2A

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

02 thru 50



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

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