

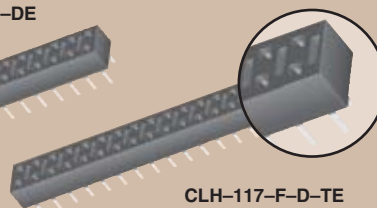
(2,54mm) .100"

CLH SERIES

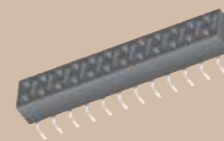
CLH-115-F-D-DE



CLH-117-F-D-TE



CLH-112-F-D-PE



THROUGH-HOLE 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



CLH

1

NO. PINS
PER ROWPLATING
OPTION

D

ENTRY
OPTION

Mates with:

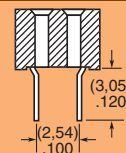
TSW, MTSW, DW, EW,
ZW, TLW, TSM, MTLW

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

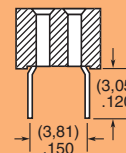
-L
= Pre-plated 10µ" (0,25µm)
Gold on contact,
75µ" (1,91µm) Matte Tin on tail

Note: Other Gold plating
options available.
Contact Samtec.

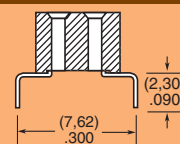
-TE
= Top Entry



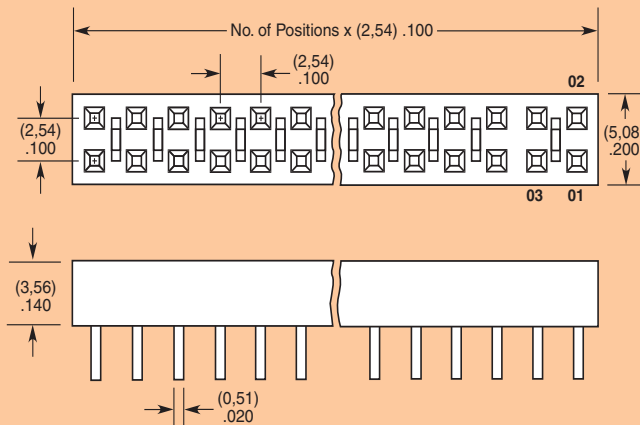
-DE
= Dual Entry
(Top or Bottom Entry)
Cannot be used with
plated through-holes
for bottom entry.



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



02 thru 50



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.

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