



Surface
SMT
Mount

LOW PROFILE SOCKETS CLP SERIES

SPECIFICATIONS

For complete specifications see www.samtec.com?CLP

Insulator Material:

Black Liquid Crystal Polymer

Contact Material:

Phosphor Bronze

Current Rating:

1.75A @ 80°C ambient

Operating Temp Range:

-65°C to +125°C

Plating:

Sn or Au over 50µ" (1,27µm) Ni

Contact Resistance:

10 m max

Insertion Depth:

Top Entry = (1,40mm) .055"

minimum, Bottom Entry = (2,21mm) .087" minimum

plus board thickness

DH Entry = (2,31mm) .091" to (2,67mm) .105"

Insertion Force:

(Single contact only)

3.8oz (1,05N) average

Normal Force:

60 grams (0,59N) average

Withdrawal Force:

(Single contact only)

2oz (0,56N) average

Max Cycles:

100 with 10µ" (0,25µm) Au

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

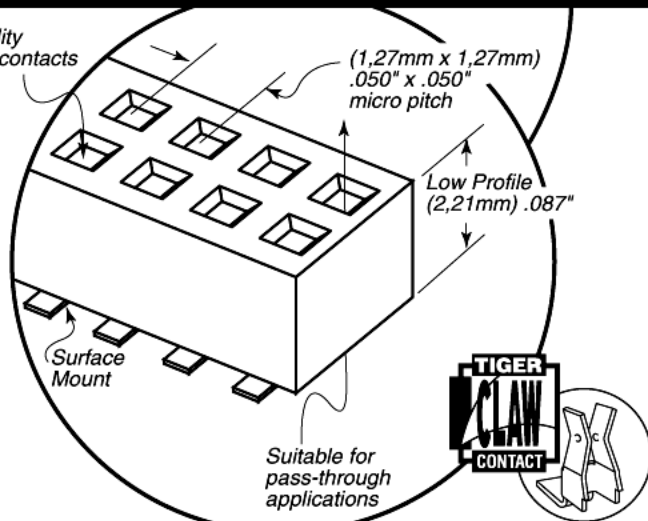
Mates with:
FTSH, FTS, FW



APPLICATION SPECIFIC OPTION

Alignment pins and single row option available. Call Samtec.

High reliability
Tiger-Claw contacts



Suitable for pass-through applications

CLP

-

1

NO. PINS PER ROW

-

02

PLATING OPTION

ROW OPTION

OTHER OPTION

02 thru 50

Processing:

Max Processing Temp:

230°C for 60 seconds

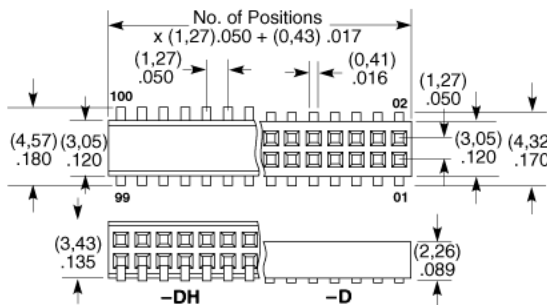
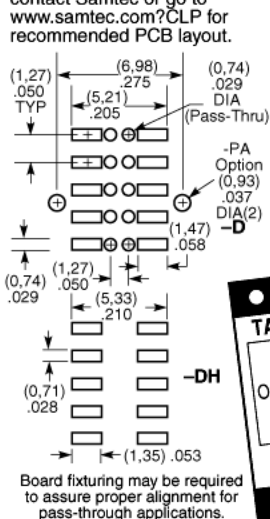
SMT Lead Coplanarity:

(0,10mm) .004" max (02-35)

(0,15mm) .006" max (36-50)

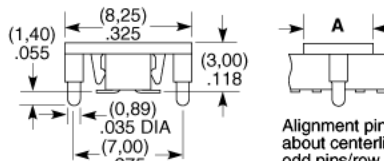
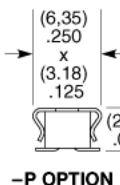
Suggested PCB Layouts:

For reference only. Please contact Samtec or go to www.samtec.com?CLP for recommended PCB layout.



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.



PIN/ROW	A
04-15	(3,56) .140
16-50	(7,11) .280

Alignment pins are located about centerline of the part. If odd pins/row then on middle position. If even then between middle two positions.



-BE = Bottom Entry (Required for bottom entry applications)

-K = (4,00mm) .157" DIA Polyimide film Pick & Place Pad (5 positions min.)

-P = Pick & Place Pad (5 positions min. -D only) (Not always necessary for auto placement. See Flex Processing.)

-PA = Pick & Place Pad with Alignment Pin (-D only)

-TR = Tape & Reel

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

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