

Surface  
**SMT**  
Mount

# LOW PROFILE SOCKETS CLP SERIES

## SPECIFICATIONS

For complete specifications see [www.samtec.com?CLP](http://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
- 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.

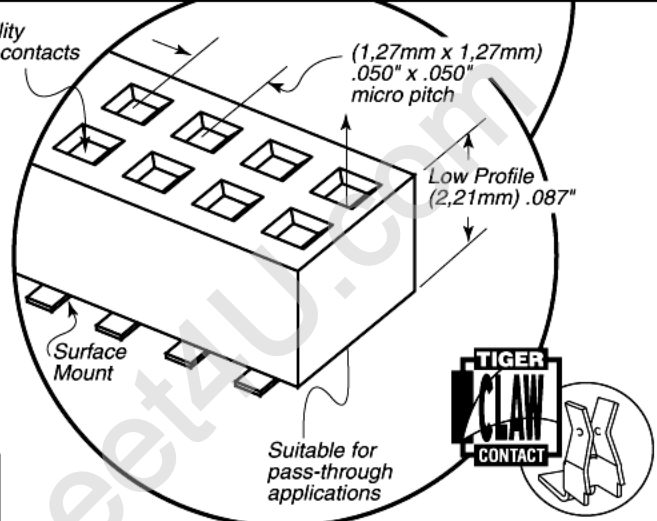
**Mates with:** FTSH, FTS, FW



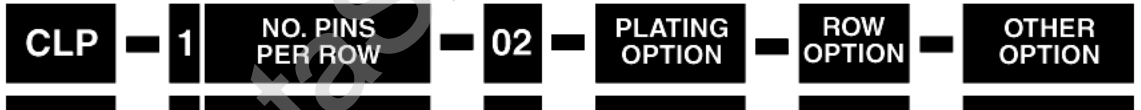
## APPLICATION SPECIFIC OPTION

Alignment pins and single row option available. Call Samtec.

High reliability Tiger-Claw contacts

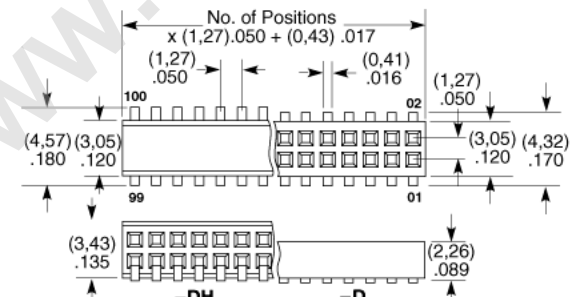
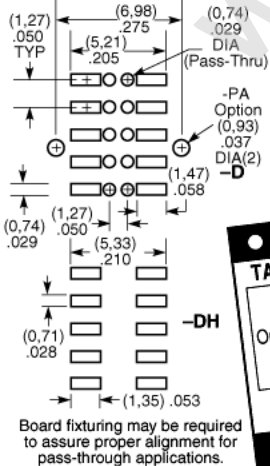


Suitable for pass-through applications



02 thru 50

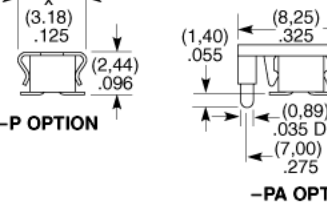
**Processing:**  
Max Processing Temp: 230°C for 60 seconds  
SMT Lead Coplanarity: (0.10mm) .004" max (02-35) (0.15mm) .006" max (36-50)  
Suggested PCB Layouts: For reference only. Please contact Samtec or go to [www.samtec.com?CLP](http://www.samtec.com?CLP) for recommended PCB layout.



**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.

- G** (Best Cost Option) = 10µ" (0.25µm) Gold (-D only)
- L** = Pre-plated (0.25µm) 10µ" Gold on contact, Tin on tail
- F** = Pre-plated Gold flash on contact, Tin on tail
- D** = Double Row
- DH** = Double Horizontal (Requires FTSH or FSH -01 lead style)
- 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

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.

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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)