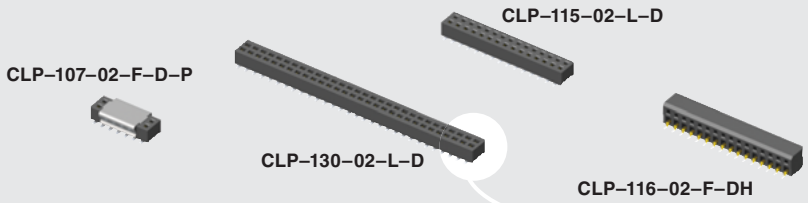
samtec

E.L.P.™
EXTENDED LIFE PRODUCT
10 year Mixed Flowing Gas with 30µ" Gold
Call Samtec for maximum mated cycles




(1,27 mm) .050"

CLP SERIES

# LOW PROFILE DUAL WIPE SOCKET

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?CLP

**Insulator Material:**
Black Liquid Crystal Polymer
**Contact Material:**
Phosphor Bronze
**Plating:**
Sn or Au over
50µ" (1,27 µm) Ni
**Current Rating (CLP/FTSH):**
3.3 A per pin
(1 pin powered per row)
**Voltage Rating:**
240 VAC/340 VDC
**Operating Temp Range:**
-55°C to +125°C
**Contact Resistance:**
10 mΩ
**Insertion Depth:**
Top Entry = (1,40 mm) .055" minimum, Bottom Entry = (2,41 mm) .095" minimum plus board thickness
DH Entry = (2,31 mm) .091" to (2,67 mm) .105"
**Insertion Force:**
(Single contact only)
3.8 oz (1,05 N) average
**Normal Force:**
60 grams (0,59 N) average
**Withdrawal Force:**
(Single contact only)
2 oz (0,56 N) average
**Max Cycles:**
100 with 10µ" (0,25 µm) Au
**RoHS Compliant:**
Yes

### Processing:

**Lead-Free Solderable:**
Yes
**SMT Lead Coplanarity:**
(0,10 mm) .004" max (02-35)
(0,15 mm) .006" max (36-50)

## RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality

FILE NO. E111594

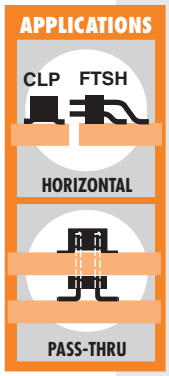
## ALSO AVAILABLE
(MOQ Required)

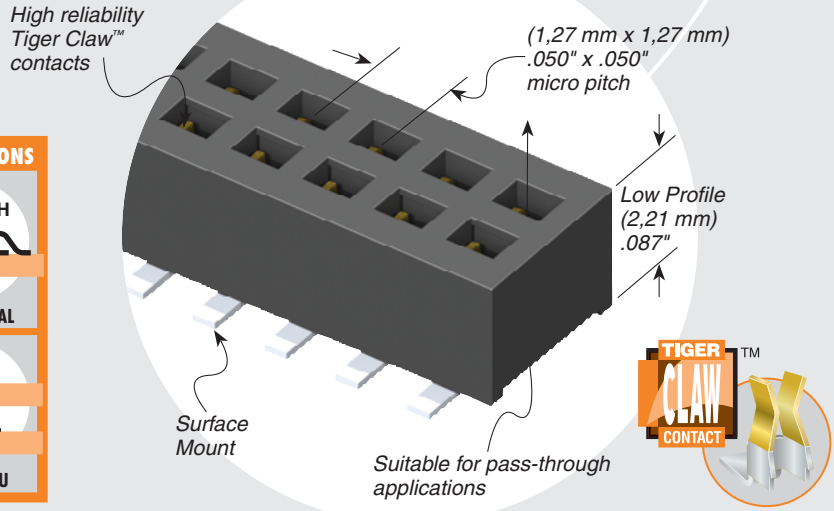
- Single row
- Other platings

Contact Samtec.

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

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




| CLP | – | 1 | NO. PINS PER ROW | – | 02 | – | PLATING OPTION | – | ROW OPTION | – | OTHER OPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|

**02 thru 50**

**–F**
= Gold flash on contact, Matte Tin on tail

**–L**
= 10µ" (0,25 µm) Gold on contact, Matte Tin on tail

**–G**
= 10µ" (0,25 µm) Gold (–D only)

**–D**
= Double Row

**–DH**
= Double Horizontal (Requires FTSH –01 lead style)

**–BE**
= Bottom Entry (Required for bottom entry applications)

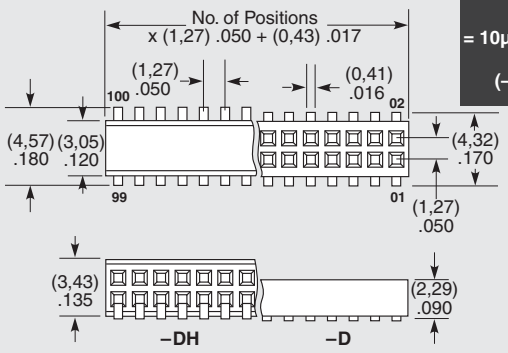
**–A**
= Alignment Pin (Not available with –PA option) (05, 06, 07, 08, 10, 12, 15, 20, 25, 30, 40 positions only) (–DH option and other sizes. Contact Samtec.)

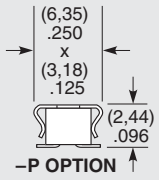
**–K**
= (4,00 mm) .157" DIA Polyimide film Pick & Place Pad (5 positions min.)

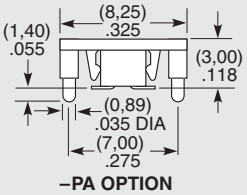
**–P**
= Pick & Place Pad (5 positions min. –D only) (Not always necessary for auto placement. See Flex Processing.)

**–PA**
= Pick & Place Pad with Alignment Pin (–D only) (Not Available with –A option)

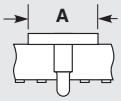
**–TR**
= Tape & Reel




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




If odd pins/row, alignment pins are on middle position on centerline of the part. If even pins/row, then alignment pins are between middle two positions.



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