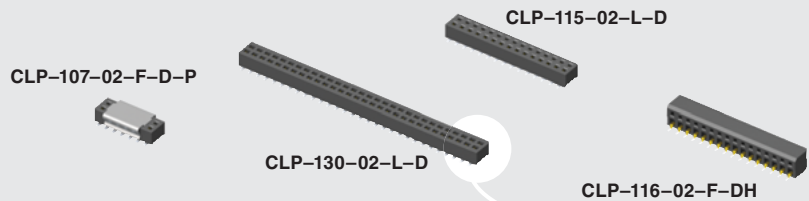




(1,27 mm) .050"



CLP SERIES

# LOW PROFILE DUAL WIPE SOCKET

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?CLP](http://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:

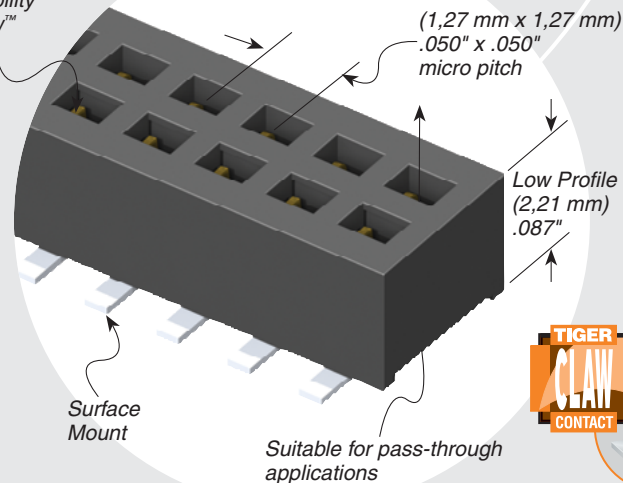
(0,10 mm) .004" max (02-35)

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

Mates with:  
FTSH, FTS, FW



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 |   |                  |    | <b>-F</b><br>= Gold flash on contact, Matte Tin on tail<br><br><b>-L</b><br>= 10µ" (0,25 µm) Gold on contact, Matte Tin on tail<br><br><b>-G</b><br>= 10µ" (0,25 µm) Gold (-D only) | <b>-D</b><br>= Double Row<br><br><b>-DH</b><br>= Double Horizontal (Requires FTSH -01 lead style) | <b>-BE</b><br>= Bottom Entry (Required for bottom entry applications)<br><br><b>-A</b><br>= 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.)<br><br><b>-K</b><br>= (4,00 mm) .157" DIA Polyimide film Pick & Place Pad (5 positions min.)<br><br><b>-P</b><br>= Pick & Place Pad (5 positions min. -D only) (Not always necessary for auto placement. See Flex Processing.)<br><br><b>-PA</b><br>= Pick & Place Pad with Alignment Pin (-D only) (Not Available with -A option)<br><br><b>-TR</b><br>= Tape & Reel |

**PIN/ROW**

| 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.

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://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.