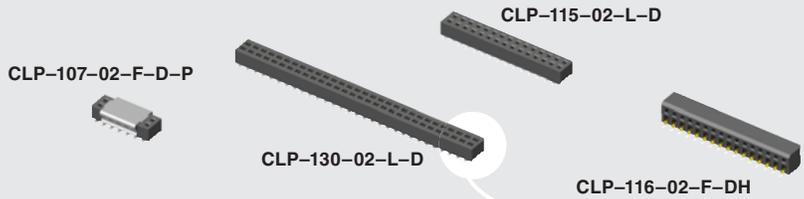




(1,27 mm) .050"

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)

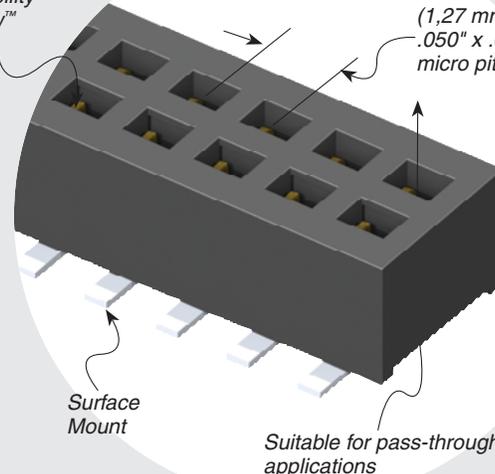
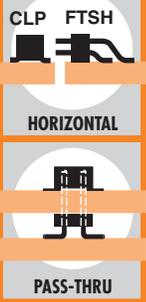
Mates with: FTSH, FTS, FW

High reliability Tiger Claw™ contacts

(1,27 mm x 1,27 mm) .050" x .050" micro pitch

Low Profile (2,21 mm) .087"

### APPLICATIONS



<b>CLP</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>02</b>	<b>PLATING OPTION</b>	<b>ROW OPTION</b>	<b>OTHER OPTION</b>
<b>02 thru 50</b>				<p><b>-F</b> = Gold flash on contact, Matte Tin on tail</p> <p><b>-L</b> = 10µ" (0,25 µm) Gold on contact, Matte Tin on tail</p> <p><b>-G</b> = 10µ" (0,25 µm) Gold (-D only)</p>	<p><b>-D</b> = Double Row</p> <p><b>-DH</b> = Double Horizontal (Requires FTSH -01 lead style)</p>	<p><b>-BE</b> = Bottom Entry (Required for bottom entry applications)</p> <p><b>-A</b> = 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.)</p> <p><b>-K</b> = (4,00 mm) .157" DIA Polyimide film Pick &amp; Place Pad (5 positions min.)</p> <p><b>-P</b> = Pick &amp; Place Pad (5 positions min. -D only) (Not always necessary for auto placement. See Flex Processing.)</p> <p><b>-PA</b> = Pick &amp; Place Pad with Alignment Pin (-D only) (Not Available with -A option)</p> <p><b>-TR</b> = Tape &amp; Reel</p>

**A** 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.

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

## RECOGNITIONS

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



## ALSO AVAILABLE (MOQ Required)

- Single row
- Other platings
- Contact Samtec.

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