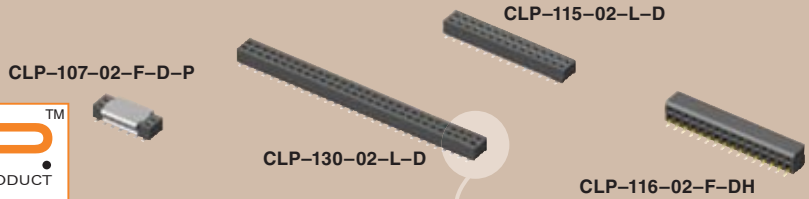




(1,27mm) .050"

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 50µm (1,27µm) Ni

**Current Rating:** 1.75A @ 80°C ambient

**Operating Temp Range:** -55°C to +125°C

**Contact Resistance:** 10 mΩ max

**Insertion Depth:** Top Entry = (1,40mm) .055"

minimum, Bottom Entry = (2,41mm) .095" 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 10µm (0,25µm) Au

**RoHS Compliant:** Yes

**Processing:** Lead-Free Solderable: Yes

**SMT Lead Coplanarity:** (0,10mm) .004" max (02-35)

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

Mates with: FTSH, FTS, FW, FFDL2



High reliability Tiger Claw™ contacts

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

Low Profile (2,21mm) .087"

Surface Mount

Suitable for pass-through applications

## APPLICATIONS



1,27mm FTSH/CLP	Rated @ 3dB Insertion Loss
5,13mm Stack Height	
Single-Ended Signaling	7.0 GHz / 14 Gbps
Differential Pair Signaling	8.5 GHz / 17 Gbps

Performance data for other stack heights and complete test data available at [www.samtec.com?CLP](http://www.samtec.com?CLP) or contact sig@samtec.com

1,27mm FW/CLP	Rated @ 3dB Insertion Loss
17,7mm Stack Height	
Single-Ended Signaling	3.0 GHz / 6.0 Gbps
Differential Pair Signaling	4.0 GHz / 8.0 Gbps

Performance data for other stack heights and complete test data available at [www.samtec.com?CLP](http://www.samtec.com?CLP) or contact sig@samtec.com

**CLP** - **1** NO. PINS PER ROW - **02**

**02 thru 50**

**PLATING OPTION**

- F = Gold flash on contact, Matte Tin on tail
- L = 10µm (0,25µm) Gold on contact, Matte Tin on tail
- G = 10µm (0,25µm) Gold (-D only)

**ROW OPTION**

- D = Double Row
- DH = Double Horizontal (Requires FTSH or FSH -01 lead style)

**OTHER OPTION**

- BE = Bottom Entry (Required for bottom entry applications)
- A = Alignment Pin (Not available with -PA option) (5, 10, 25 positions only) (-DH option and other sizes. Call Samtec)
- 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) (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.

**ALSO AVAILABLE**

Single row available. (Mates with FTS Series) Call Samtec.

**APPLICATION SPECIFIC OPTION**

Single row options available. Call Samtec.

**Note:** Other Gold plating options available. Contact Samtec.

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

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

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