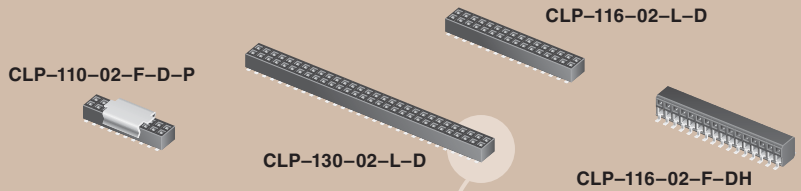




(1,27mm) .050"
CLP SERIES



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" (1,27µm) 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"

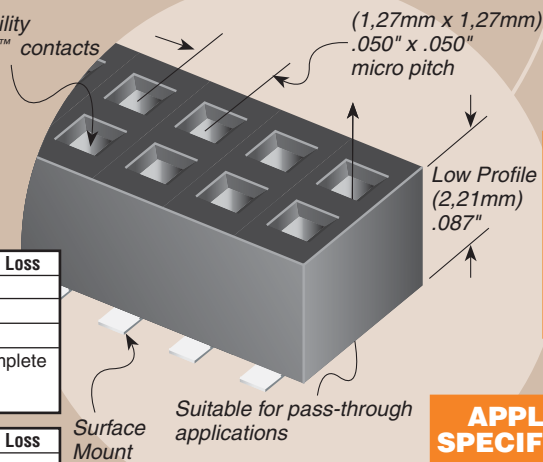
Insertion Force: (Single contact only) 3.8oz (1,05N) average
Normal Force: 60 grams (0,59N) average
Withdrawal Force: (Single contact only) 2oz (0,56N) average
Max Cycles: 100 with 10µ" (0,25µm) Au
RoHS Compliant: Yes

Processing:
Max Processing Temp: 230°C for 60 seconds, or 260°C for 20 seconds 3x
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 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 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 or contact sig@samtec.com

APPLICATION SPECIFIC OPTION
Single row options available. Call Samtec.

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

02 thru 50

PLATING OPTION

- F = Gold flash on contact, Matte Tin on tail
- L = 10µ" (0,25µm) Gold on contact, Matte Tin on tail
- G = 10µ" (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 position 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

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

TAPE & REEL AVAILABILITY
No tooling charges. Minimum order is the lesser of a full reel quantity or 125 pieces. Order any quantity above minimum. In-house design, manufacture. Quick turn-around. Call Samtec for specifications and ordering information.

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

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.

WWW.SAMTEC.COM