

(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 50 μ" (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"

Normal Force: 60 grams (0.59 N) average

Max Cycles: 100 with 10 μ" (0.25 μm) Au

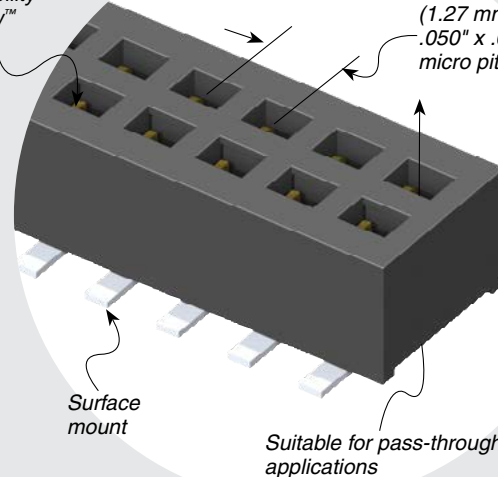
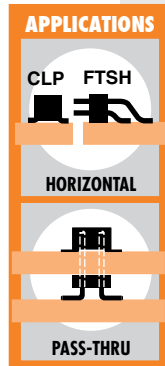
RoHS Compliant: Yes

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"



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



ALSO AVAILABLE (MOQ Required)

- Single row
 - Other platings
- Contact Samtec.

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	-D = Double Row	-BE = Bottom Entry (Required for bottom entry applications)						
				-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail	-DH = Double Horizontal (Requires FTSH-01 and FTSH-04 lead styles)	-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.)						
				-G = 10 μ" (0.25 μm) Gold (-D only)		-K = (4.00 mm) .157" DIA Polyimide film Pick & Place Pad (5 positions min.)						
					-P OPTION	-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						
<table border="1"> <thead> <tr> <th>PIN/ROW</th> <th>A</th> </tr> </thead> <tbody> <tr> <td>04-15</td> <td>(3.56) .140</td> </tr> <tr> <td>16-50</td> <td>(7.11) .280</td> </tr> </tbody> </table>				PIN/ROW	A	04-15	(3.56) .140	16-50	(7.11) .280			
PIN/ROW	A											
04-15	(3.56) .140											
16-50	(7.11) .280											
						-PA OPTION						

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.

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