

(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 μm (1.27 μm) Ni

Current Rating (CLP/FTSH): 3.4 A per pin (2 pins powered)

Voltage Rating: 240 VAC/340 VDC

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

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"

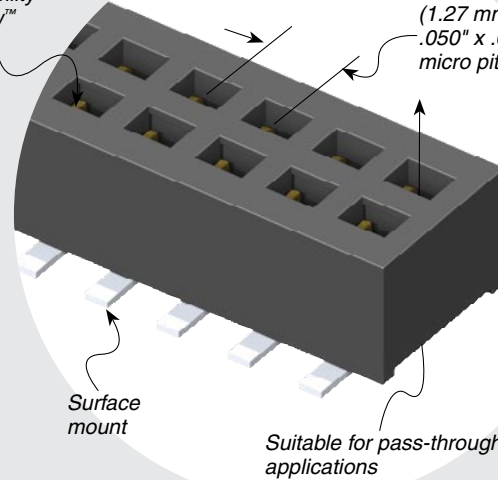
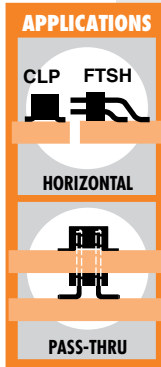
Normal Force: 60 grams (0.59 N) average
Max Cycles: 100 with 10 μm (0.25 μm) Au
RoHS Compliant: Yes

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)*
*(.004" stencil solution may be available; contact IPG@samtec.com)

RECOGNITIONS

For complete scope of recognitions see 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.

CLP	1	NO. PINS PER ROW	02	PLATING OPTION	ROW OPTION	OTHER OPTION
02 thru 50				<p>-F = Gold flash on contact, Matte Tin on tail</p> <p>-L = 10 μm (0.25 μm) Gold on contact, Matte Tin on tail</p> <p>-G = 10 μm (0.25 μm) Gold (-D only)</p>	<p>-D = Double Row</p> <p>-DH = Double Horizontal (Requires FTSH-01 and FTSH-04 lead styles)</p>	<p>-BE = Bottom Entry (Required for bottom entry applications)</p> <p>-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.)</p> <p>-K = (4.00 mm) .157" DIA Polyimide film Pick & Place Pad (5 positions min.)</p> <p>-P = Pick & Place Pad (5 positions min. -D only) (Not always necessary for auto placement. See Flex Processing.)</p> <p>-PA = Pick & Place Pad with Alignment Pin (-D only) (Not Available with -A option)</p> <p>-TR = Tape & Reel</p>

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.

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