

(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): 3.4 A per pin (2 pins powered)

Voltage Rating: 280 VAC/395 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 μ" (0.25 μm) Au

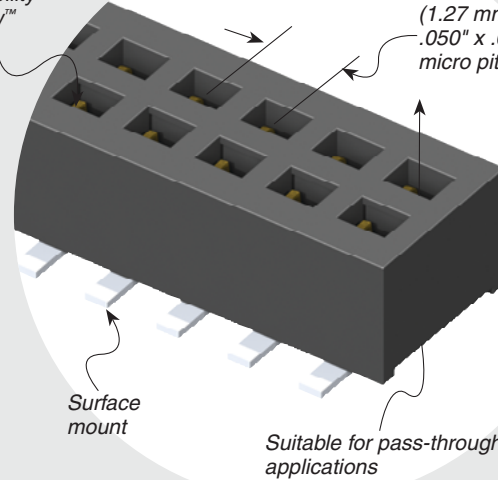
RoHS Compliant: Yes

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)*
*(.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

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				-F = Gold flash on contact, Matte Tin on tail -L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail -G = 10 μ" (0.25 μm) Gold (-D only)	-D = Double Row -DH = Double Horizontal (Requires FTSH-01 and FTSH-04 lead styles)	-BE = Bottom Entry (Required for bottom entry applications) -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.) -K = (4.00 mm) .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

No. of Positions x (1.27) .050 + (0.43) .017

(1.27) .050 (0.41) .016 (4.57) (3.05) .180 .120 (4.32) .170 (1.27) .050 (2.29) .090 (3.43) .135 (6.35) .250 x (3.18) .125 (2.54) .100 (8.25) .325 (1.40) .055 (0.89) .035 DIA (7.00) .275 (3.07) .121

-DH **-D** **-P OPTION** **-PA OPTION**

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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All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

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