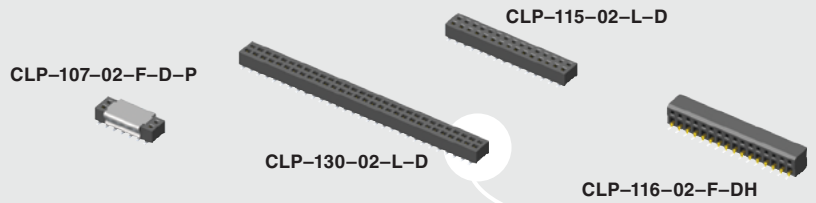




(1.27 mm) .050"



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"

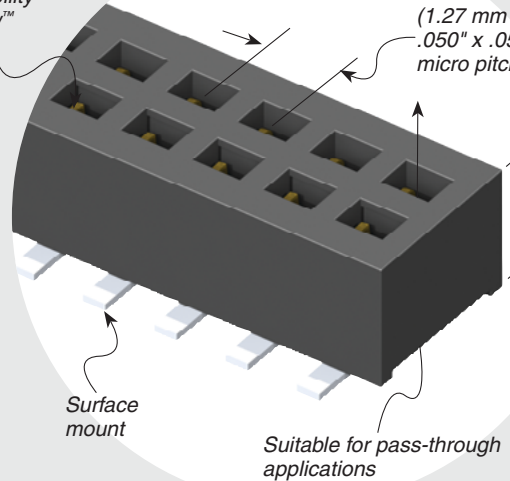
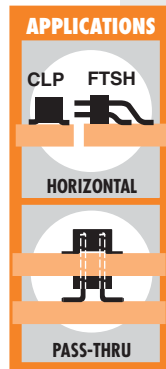
Normal Force: 60 grams (0.59 N) average
Max Cycles: 100 with 10 μ" (0.25 μm) Au
RoHS Compliant: Yes

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
- 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 μ" (0.25 μm) Gold on contact, Matte Tin on tail</p> <p>-G = 10 μ" (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>

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

(6.35) .250 x (3.18) .125 (2.54) .100

(3.43) .135 (2.29) .090

(1.40) .055 (8.25) .325 (3.07) .121 (0.89) .035 DIA (7.00) .275

-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.

WWW.SAMTEC.COM

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.