

(1.27 mm) .050"

CLP SERIES

# LOW-PROFILE DUAL WIPE SOCKET

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?CLP](http://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

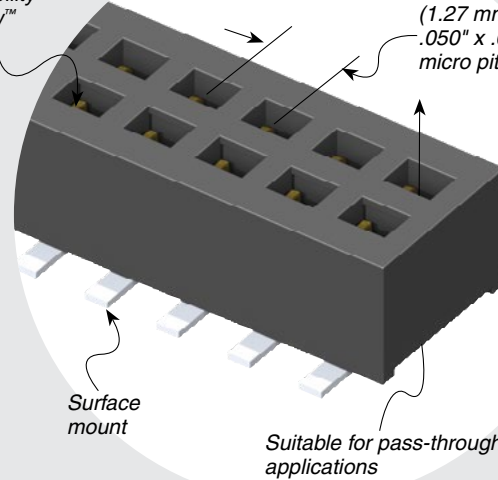
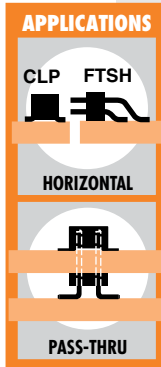
Yes

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](http://www.samtec.com/quality)



## ALSO AVAILABLE (MOQ Required)

- Single row
- Other platings

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

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

[WWW.SAMTEC.COM](http://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.

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Authorized Distributor

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