

(1.27 mm) .050"

CLP SERIES

# LOW-PROFILE DUAL WIPE SOCKET

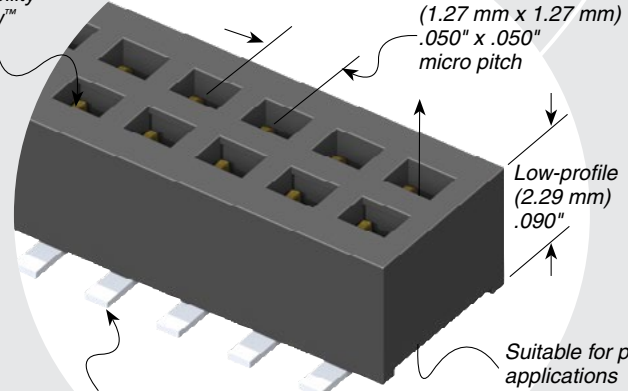
## SPECIFICATIONS

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

Mates with:  
FTSH, FTS, FW

High-reliability  
Tiger Claw™  
contacts



Suitable for pass-through applications

## HIGH-SPEED CHANNEL PERFORMANCE

Rating based on Samtec reference channel. For full SI performance data visit [Samtec.com](http://Samtec.com) or contact [SIG@samtec.com](mailto:SIG@samtec.com)

8  
Gbps

## 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](mailto: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>       |           | <b>-F</b><br>= Gold flash on contact, Matte Tin on tail           | <b>-D</b><br>= Double Row  | <b>-BE</b><br>= Bottom Entry<br>(Required for bottom entry applications)  |
|            |          |                         |           | <b>-L</b><br>= 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail | <b>-DH</b><br>= Double Horizontal<br>(Requires FTSH-04 lead style) | <b>-A</b><br>= Alignment Pin<br>(Not available with -PA option)<br>(05, 06, 07, 08, 10, 12, 15, 20, 25, 30, 40 positions only)<br>(-DH option and other sizes. Contact Samtec.) |
|            |          |                         |           | <b>-G</b><br>= 10 μ" (0.25 μm) Gold (-D only)                     |  | <b>-K</b><br>= (4.00 mm) .157" DIA Polyimide film Pick & Place Pad (5 positions minimum)  |
|            |          |                         |           |   |  | <b>-P</b><br>= Pick & Place Pad (5 positions min. -D only)<br>(Not always necessary for auto placement. See Flex Processing.)   |
|            |          |                         |           |   |  | <b>-PA</b><br>= Pick & Place Pad with Alignment Pin (-D only)<br>(Not available with -A option)   |
|            |          |                         |           |   |  | <b>-TR</b><br>= Tape & Reel   |
|            |          |                         |           |   |  | <b>-FR</b><br>= Full Reel Tape & Reel<br>(must order maximum quantity per reel; contact Samtec for quantity breaks)   |

| PIN/ROW | A            |
|---------|--------------|
| 04-15   | (3.56) .1z40 |
| 16-50   | (7.11) .280  |

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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