

(1.27 mm) .050"

CLP SERIES

LOW-PROFILE DUAL WIPE SOCKET

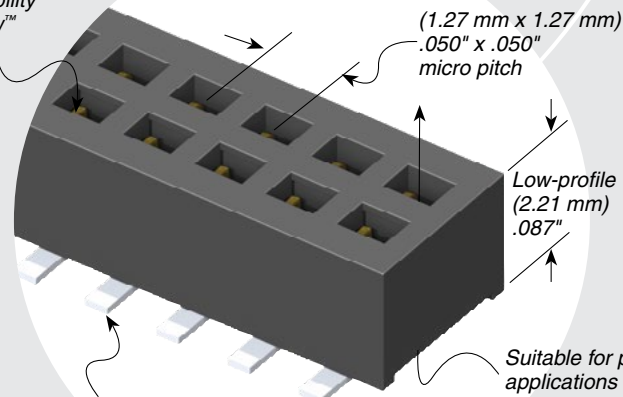
SPECIFICATIONS

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



Suitable for pass-through applications

HIGH-SPEED CHANNEL PERFORMANCE

Rating based on Samtec reference channel. For full SI performance data visit Samtec.com or contact 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)

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 | -D = Double Row | -BE = Bottom Entry (Required for bottom entry applications) |
| | | | | -L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail | -DH = Double Horizontal (Requires FTSH-04 lead style) | -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.) |
| | | | | -G = 10 μ" (0.25 μm) Gold (-D only) | | -K = (4.00 mm) .157" DIA Polyimide film Pick & Place Pad (5 positions minimum) |
| | | | | | | -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 |
| | | | | | | -FR = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks) |

| PIN/ROW | A |
|---------|--------------|
| 04-15 | (3.56) .1240 |
| 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.