

(1.27 mm) .050"

CLP SERIES

LOW-PROFILE DUAL WIPE SOCKET

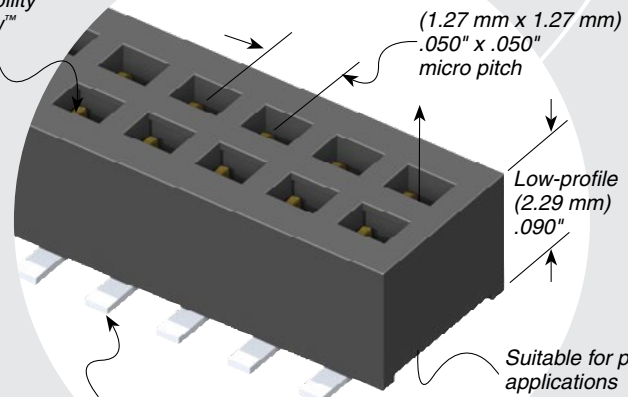
SPECIFICATIONS

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 μ m) 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 μ m) 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 μ m) 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 μ m) 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)

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

(4.57) (3.05) .180 .120

100

(4.32) .170

99 (1.27) .050

(0.41) .016

01 (1.27) .050

(6.35) .250 x (3.18) .125

(2.54) .100

-P OPTION

(3.43) .135

(2.29) .090

-DH **-D**

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

(8.25) .325

(3.07) .121

(0.89) .035 DIA

(1.40) .055

(7.00) .275

-PA OPTION

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.