



(1,27 mm) .050"

CLP SERIES



ELP™
EXTENDED LIFE PRODUCT
10 year Mixed Flowing Gas with 30µr Gold
Call Samtec for maximum cycles

CLP-107-02-F-D-P

CLP-115-02-L-D

CLP-130-02-L-D

CLP-116-02-F-DH

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

50µ" (1,27 µm) Ni

Current Rating:

3.3 A per pin

(2 pins powered)

Operating Temp Range:

-55°C to +125°C

Contact Resistance:

10 mΩ

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"

Insertion Force:

(Single contact only)

3.8 oz (1,05 N) average

Normal Force:

60 grams (0,59 N) average

Withdrawal Force:

(Single contact only)

2 oz (0,56 N) average

Max Cycles:

100 with 10µ" (0,25 µm) Au

RoHS Compliant:

Yes

Processing:

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0,10 mm) .004" max (02-35)

(0,15 mm) .006" max (36-50)

Mates with:
FTSH, FTS, FW

APPLICATIONS



HORIZONTAL



PASS-THRU

High reliability
Tiger Claw™
contacts

(1,27 mm x 1,27 mm)
.050" x .050"
micro pitch

Low Profile
(2,21 mm)
.087"

Surface
Mount

Suitable for pass-through
applications



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 -L = 10µ" (0,25 µm) Gold on contact, Matte Tin on tail -G = 10µ" (0,25 µm) Gold (-D only)	-D = Double Row -DH = Double Horizontal (Requires FTSH -01 lead style)	-BE = Bottom Entry (Required for bottom entry applications) -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. Call Samtec) -K = (4,00 mm) .157" DIA Polyimide film Pick & Place Pad (5 positions min.) -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

Technical Drawing Dimensions:

- Overall length: (4,57) (3,05) .180
- Pin pitch: (1,27) .050
- Pin width: (0,41) .016
- Pin height: (0,43) .017
- Pin spacing: (0,43) .017
- Pin diameter: (0,25) .010
- Pin length: (2,29) .090
- Pin height (DH): (3,43) .135
- Pin height (D): (2,29) .090
- Pin height (PA): (1,40) .055
- Pin height (TR): (3,00) .118
- Pin height (K): (6,35) .250 x (3,18) .125
- Pin height (P): (2,44) .096
- Pin height (PA): (8,25) .325
- Pin height (PA): (0,89) .035 DIA
- Pin height (PA): (7,00) .275

Pin/Row Table:

PIN/ROW	A
04-15	(3,56) .140
16-50	(7,11) .280

Note: 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.

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.

Due to technical progress, all designs, specifications and components are subject to change without notice.

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