



(1,27mm) .050"

CLP SERIES



ELP™
EXTENDED LIFE PRODUCT
10 year Mixed Flowing Gas with 30µ" 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" (1,27µm) Ni

Current Rating:

1.75A @ 80°C ambient

Operating Temp Range:

-55°C to +125°C

Contact Resistance:

10 mΩ max

Insertion Depth:

Top Entry = (1,40mm) .055"

minimum, Bottom Entry =

(2,41mm) .095" minimum

plus board thickness

DH Entry = (2,31mm) .091"

to (2,67mm) .105"

Insertion Force:

(Single contact only)

3.8oz (1,05N) average

Normal Force:

60 grams (0,59N) average

Withdrawal Force:

(Single contact only)

2oz (0,56N) average

Max Cycles:

100 with 10µ" (0,25µm) Au

RoHS Compliant:

Yes

Processing:

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

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

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

Mates with:
FTSH, FTS,
FW, FFDL2



High reliability
Tiger Claw™ contacts

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

Low Profile
(2,21mm)
.087"

Surface
Mount

Suitable for pass-through
applications

APPLICATIONS



HORIZONTAL



PASS-THRU

1,27mm FTSH/CLP	Rated @ 3dB Insertion Loss
5,13mm Stack Height	
Single-Ended Signaling	7.0 GHz / 14 Gbps
Differential Pair Signaling	8.5 GHz / 17 Gbps

1,27mm FW/CLP	Rated @ 3dB Insertion Loss
17,7mm Stack Height	
Single-Ended Signaling	3.0 GHz / 6.0 Gbps
Differential Pair Signaling	4.0 GHz / 8.0 Gbps

CLP	1	NO. PINS PER ROW	02
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PLATING
OPTION

ROW
OPTION

OTHER
OPTION

02 thru 50

—F
= Gold flash on contact, Matte Tin on tail

—L
= 10µ" (0,25µm) Gold on contact, Matte Tin on tail

—G
= 10µ" (0,25µm) Gold (—D only)

—D
= Double Row

—DH
= Double Horizontal (Requires FTSH or FSH —01 lead style)

—BE
= Bottom Entry (Required for bottom entry applications)

—A
= Alignment Pin (Not available with —PA option) (5, 10, 25 positions only) (—DH option and other sizes. Call Samtec)

—K
= (4,00mm) .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

ALSO AVAILABLE

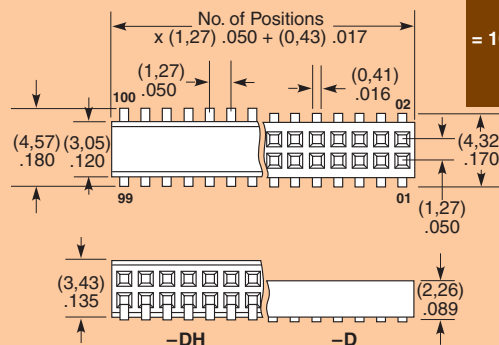
Single row available.
(Mates with FTS Series)
Call Samtec.

APPLICATION SPECIFIC OPTION

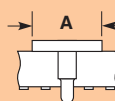
Single row options available.
Call Samtec.

Note: Other Gold plating options available.
Contact Samtec.

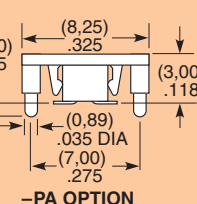
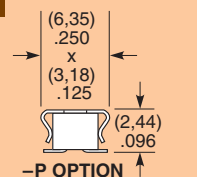
Note: Some sizes, styles and options are non-standard, non-returnable.



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.

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