



(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](http://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:

1.75A per contact

@ 80°C ambient

### 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)



## APPLICATIONS

CLP FTSH



HORIZONTAL



PASS-THRU



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  
OPTIONROW  
OPTIONOTHER  
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)  
(5, 10, 25 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

## ALSO AVAILABLE

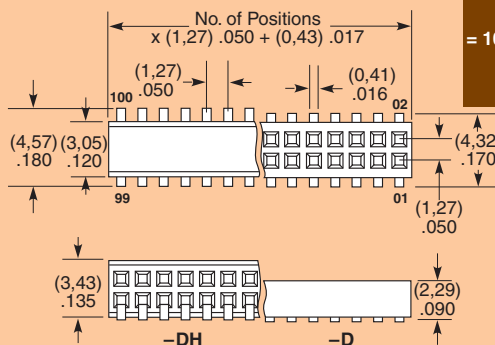
Single row available.  
(Mates with FTS Series)  
Call Samtec.

## APPLICATION SPECIFIC OPTION

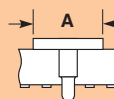
Single row options available.  
Call Samtec.

**Note:** Other Gold plating  
options available.  
Contact Samtec.

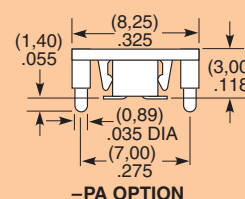
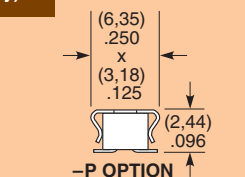
**Note:** Some sizes, styles and  
options are non-standard,  
non-returnable.



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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