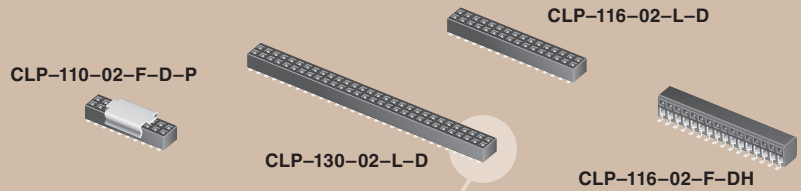




Surface
SMT
Mount

LOW PROFILE SOCKETS CLP SERIES



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:

Max Processing Temp:

230°C for 60 seconds, or

260°C for 20 seconds 3x

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

APPLICATIONS

CLP FTSH



HORIZONTAL

APPLICATION SPECIFIC OPTION

Single row options available.
Call Samtec.

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



CLP

1

NO. PINS
PER ROW

02

PLATING
OPTION

ROW
OPTION

OTHER
OPTION

02 thru 50

—G
= 10µ" (0,25µm)
Gold
(—D only)

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

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

—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 position 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

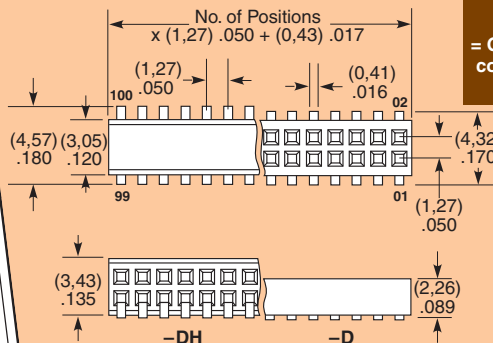
Single row available.
(Mates with FTS Series)
Call Samtec.

TAPE & REEL AVAILABILITY

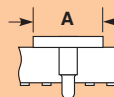
No tooling charges.
Minimum order is the lesser of
a full reel quantity or 125 pieces.
Order any quantity above minimum.
In-house design, manufacture.
Quick turn-around.

Call Samtec for specifications
and ordering information.

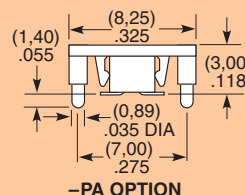
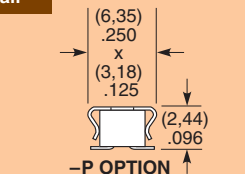
Note: Some sizes, styles and
options are non-standard,
non-returnable.



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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