

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

Alignment pins and 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

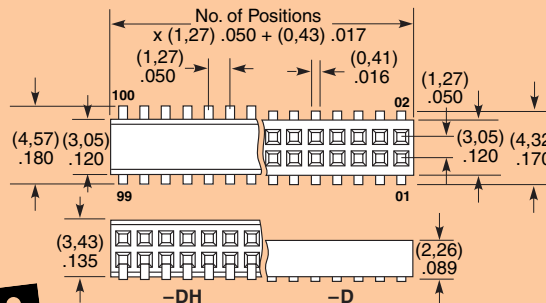
02

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)

—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)

—TR
= Tape & Reel

ALSO AVAILABLE

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

TAPE & REEL AVAILABILITY

No tooling charges.
125 piece minimum order.
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.

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

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SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 • Fax: 812-948-5047
SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0 • Fax: +49 (0) 89 / 89460-299
SAMTEC NORDIC/BALTIC • Tel: +46-84477280 • Fax: +46-87420413
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SAMTEC ITALY • Tel: 39 039 6890337 • Fax: 39 039 6890315
SAMTEC INDIA • Tel: +91-80-3272 1612 • Fax: +91-80-4152 8187
SAMTEC TAIWAN • Tel: 886-2-2735-6109 • Fax: 886-2-2735-5036
SAMTEC ANZ • Tel: 613 9512 7747 • Fax: 613 9512 7745