

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

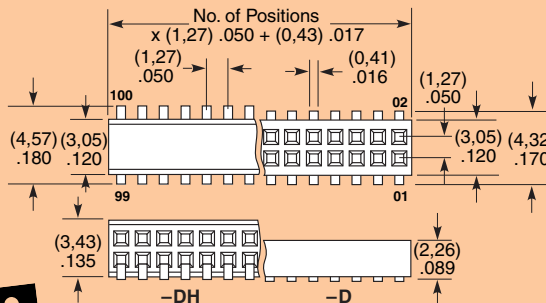
Low Profile (2,21mm) .087"

Surface Mount

Suitable for pass-through applications



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

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.

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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