



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
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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)	-D = Double Row	-BE = Bottom Entry (Required for bottom entry applications)
				-L = 10µ" (0,25µm) Gold on contact, Matte Tin on tail	-DH = Double Horizontal (Requires FTSH or FSH -01 lead style)	-A = Alignment Pin (Not available with -PA option) (5, 10, 25 position only) (-DH option and other sizes. Call Samtec)
				-F = Gold flash on contact, Matte Tin on tail		-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.

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

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