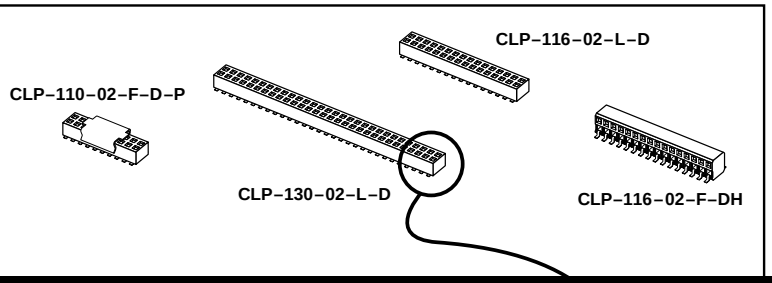
FACTSHEET F-201

samtec



Surface SMT Mount

LOW PROFILE SOCKETS CLP SERIES

SPECIFICATIONS

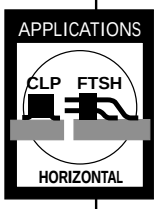
Mates with:
FTSH, FTS, FW

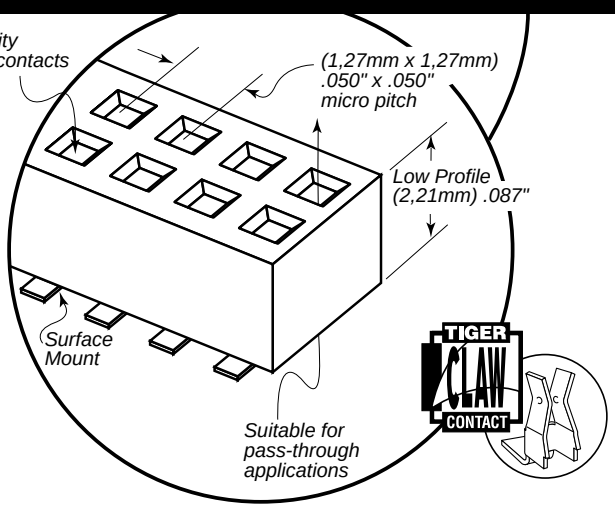
Materials:

Insulator Material:
Black Liquid Crystal Polymer
Contact Material:
Phosphor Bronze
Current Rating:
1.75A @ 80°C ambient
Operating Temp Range:
-65°C to +125°C
Plating: Sn or Au over 50µ" (1,27µm) Ni
Contact Resistance:
10 mΩ max
Insertion Depth:
Top Entry = (1,40mm) .055" minimum, Bottom Entry = (2,21mm) .087" minimum plus board thickness
DH Entry = (2,31mm) .091" to (2,67mm) .105"
Insertion Force:
3.8oz (1,05N) average
Normal Force:
60 grams (0,59N) average
Withdrawal Force:
2oz (0,56N) average
Max Cycles:
100 with 10µ" (0,25µm) Au

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

APPLICATIONS





APPLICATION SPECIFIC OPTION

Alignment pins available.
Call Samtec.

CLP	–	1	NO. PINS PER ROW	–	02	–	PLATING OPTION	–	ROW OPTION	–	OTHER OPTION

02 thru 50

–G
(Best Cost Option)
= 10µ" (0,25µm) Gold
(–D only)

–F
= Pre-plated Gold flash on contact, 75µ" (1,91µm) Tin on tail

–L
= Pre-plated (0,25µm) 10µ" Gold on contact, 75µ" (1,91µm) 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
(Best Cost Option)
= (4,00mm) .157" DIA Polyamide film Pick & Place Pad (5 positions min.)

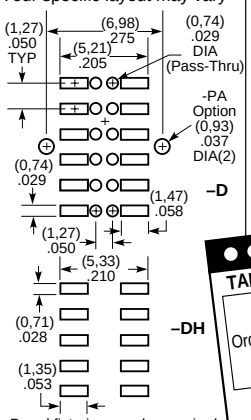
–P
= Pick & Place Pad (5 positions min. –D only)
(Not always necessary for auto placement. See Flex Processing.)

–PA
= Pick & Place Pad with Alignment Pin (–D only)

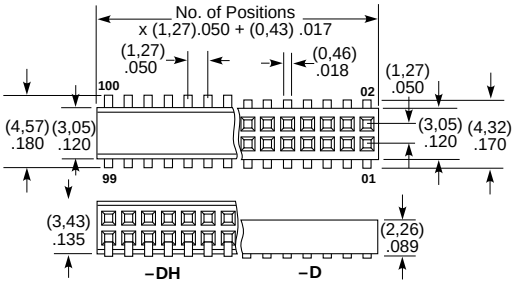
–TR
= Tape & Reel

Processing:

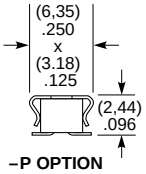
Max Processing Temp:
230°C for 60 seconds
SMT Lead Coplanarity:
(0,10mm) .004" max (02-35)
(0,15mm) .006" max (36-50)
Suggested Paste Thickness:
For most applications add (0,05mm) .002" to max SMT lead coplanarity
Suggested PCB Layouts:
Your specific layout may vary



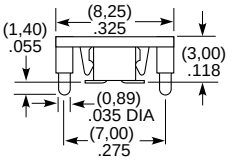
Board fixturing may be required to assure proper alignment for pass-through applications.



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.

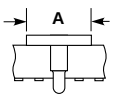


–P OPTION



–PA OPTION

PIN/ROW	A
04-15	(3,56) .140
16-50	(7,11) .280



Alignment pins are located about centerline of the part. If odd pins/row then on middle position. If even then between middle two positions.

COST SAVING SOLUTIONS FLEX PROCESSING

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

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