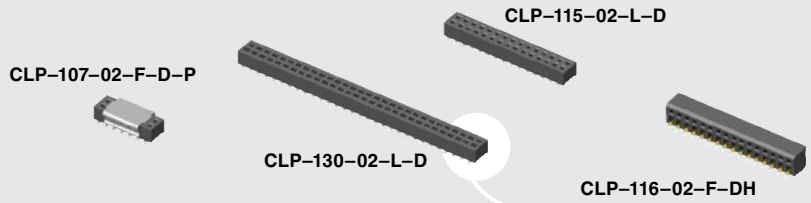
samtec

10 YEAR MFG WITH 30 µ" GOLD
EXTENDED LIFE PRODUCT
HIGH MATING CYCLES



(1.27 mm) .050"

CLP SERIES

LOW-PROFILE DUAL WIPE SOCKET

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
50 µ" (1.27 µm) Ni
Current Rating (CLP/FTSH):
3.4 A per pin
(2 pins powered)
Voltage Rating:
280 VAC/395 VDC
Operating Temp Range:
-55 °C to +125 °C
Insertion Depth:
Top Entry = (1.40 mm) .055" minimum, Bottom Entry = (2.41 mm) .095" minimum plus board thickness
DH Entry = (2.31 mm) .091" to (2.67 mm) .105"
Normal Force:
60 grams (0.59 N) average
Max Cycles:
100 with 10 µ" (0.25 µm) Au
RoHS Compliant:
Yes

PROCESSING

Lead-Free Solderable:
Yes
SMT Lead Coplanarity:
(0.10 mm) .004" max (02-35)
(0.15 mm) .006" max (36-50)*
*(.004" stencil solution may be available; contact IPG@samtec.com)

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality

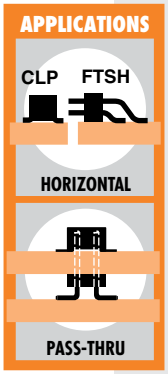
FILE NO. E111594

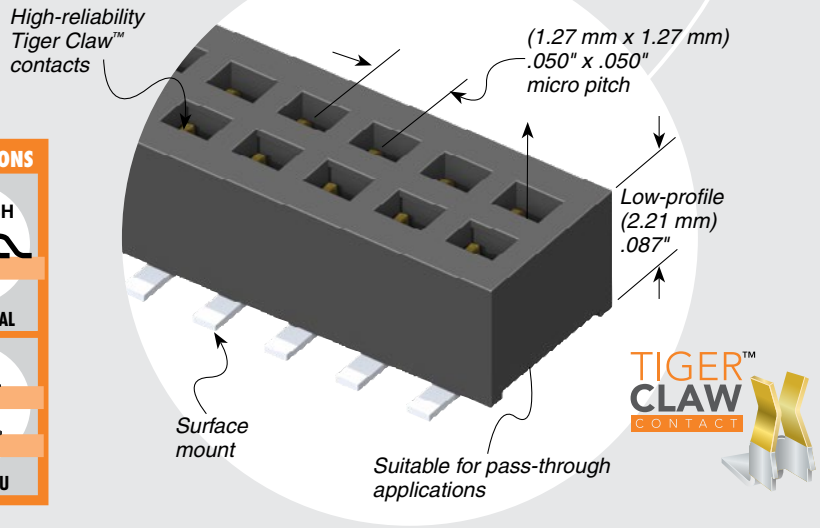
ALSO AVAILABLE
(MOQ Required)

- Single row
- Other platings

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

Mates with:
FTSH, FTS, FW





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

02 thru 50

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

–L
= 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail

–G
= 10 µ" (0.25 µm) Gold (–D only)

–D
= Double Row

–DH
= Double Horizontal (Requires FTSH–04 lead style)

–BE
= Bottom Entry
(Required for bottom entry applications)

–A
= Alignment Pin
(Not available with –PA option)
(05, 06, 07, 08, 10, 12, 15, 20, 25, 30, 40 positions only)
(–DH option and other sizes. Contact Samtec.)

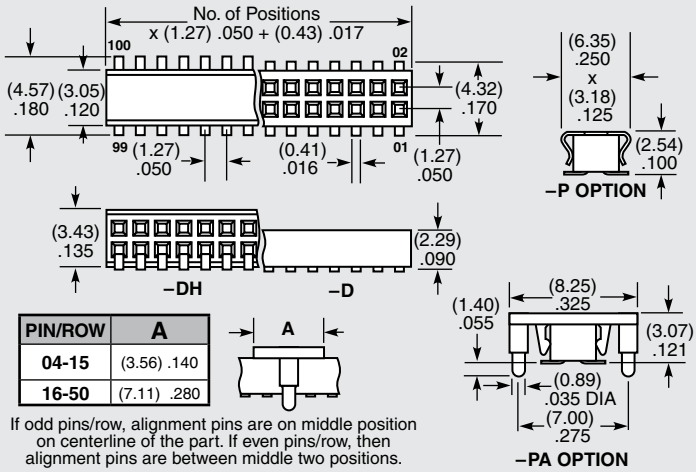
–K
= (4.00 mm) .157" DIA Polyimide film Pick & Place Pad
(5 positions minimum)

–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

–FR
= Full Reel Tape & Reel Packaging
(Must order maximum quantities per reel. Contact Samtec for parts per reel)



PIN/ROW	A
04-15	(3.56) .140
16-50	(7.11) .280

A

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.

All parts within this catalog are built to Samtec's specifications.
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.