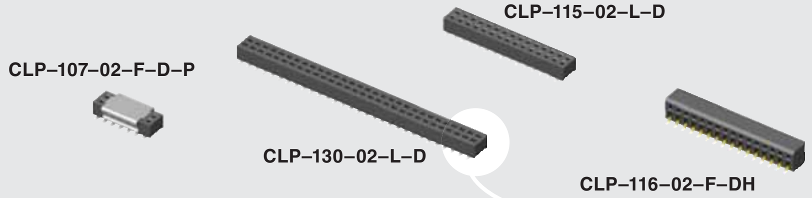
F-215 (Rev 23FEB16)

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):
3.3 A per pin
(1 pin powered per row)
Voltage Rating:
240 VAC/340 VDC
Operating Temp Range:
-55 °C to +125 °C
Contact Resistance:
10 mΩ
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"
Insertion Force:
(Single contact only)
3.8 oz (1.05 N) average
Normal Force:
60 grams (0.59 N) average
Withdrawal Force:
(Single contact only)
2 oz (0.56 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)

RECOGNITIONS

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

FILE NO. E111594

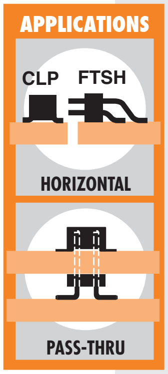
ALSO AVAILABLE
(MOQ Required)

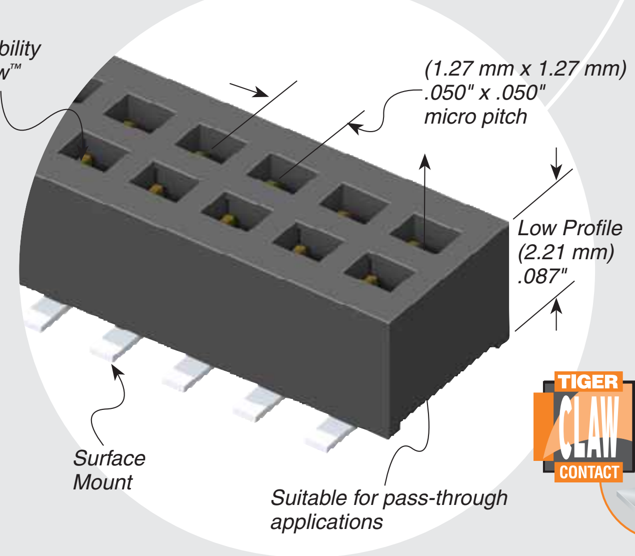
- Single row
- Other platings

Contact Samtec.

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

Mates with:
FTSH, FTS, FW





TIGER CLAW™ CONTACT

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

02 thru 50

PLATING OPTION

–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)

ROW OPTION

–D
= Double Row

–DH
= Double Horizontal (Requires FTSH –01 lead style)

OTHER OPTION

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

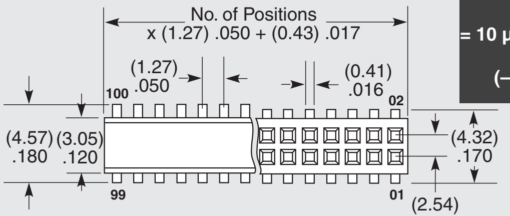
–A
= Alignment Pin (Not available with –PA option) (05, 06, 07, 08, 10, 12, 15, 20, 25, 30, 40 positions only) (–DH option and other sizes. Contact Samtec.)

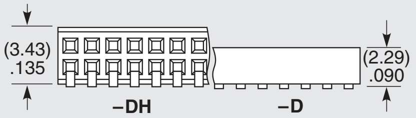
–K
= (4,00 mm) .157" DIA Polyimide film Pick & Place Pad (5 positions min.)

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

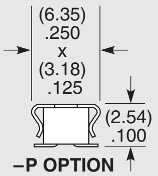
–PA
= Pick & Place Pad with Alignment Pin (–D only) (Not Available with –A option)

–TR
= Tape & Reel

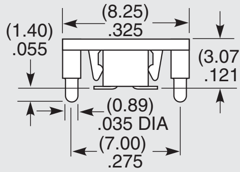




–DH **–D**

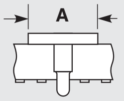


–P OPTION



–PA OPTION

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.