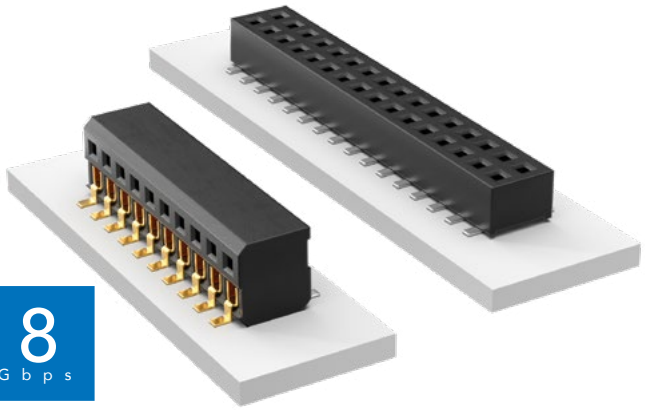
TIGER™ CLAW CONTACT

LOW PROFILE DUAL WIPE SOCKET

8 Gbps

(1.27 mm) .050" PITCH • CLP SERIES



CLP
Mates:
FTSH, FTS, FW

CLP	-	1	NO. PINS PER ROW	-	02	-	PLATING OPTION	-	ROW OPTION	-	OTHER OPTIONS

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

–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

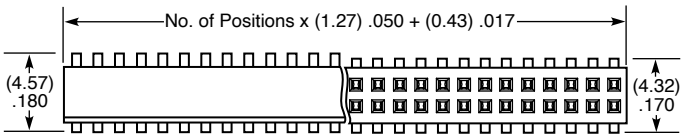
–FR
= Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks)

SPECIFICATIONS

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"
Max Cycles:
100 with 10 µ" (0.25 µm) Au

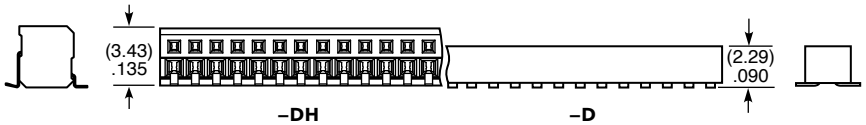
PROCESSING

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)



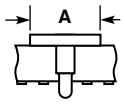
ALSO AVAILABLE
MOQ Required

Single row
Other platings

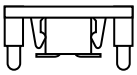


10 YEAR MFG WITH 30 µ" GOLD
EXTENDED LIFE PRODUCT
HIGH MATING CYCLES

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.



–PA OPTION

–P OPTION

Notes:
Severe Environment Testing qualified; aligns with MIL-DTL-55302. Visit samtec.com/set

Some lengths, styles and options are non-standard, non-returnable.

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.