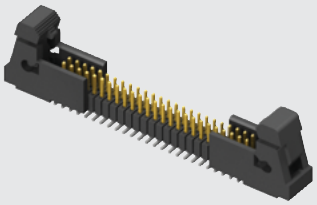
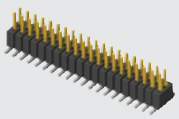
samtec

E.L.P.™
EXTENDED LIFE PRODUCT
10 year Mixed Flowing Gas with 30µ" Gold
Call Samtec for maximum mated cycles

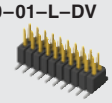


FTSH–125–01–L–DV–EJ



FTSH–120–01–F–DV

FTSH–110–01–L–DV



(1,27 mm) .050"

SMT MICRO HEADER

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?FTSH

Insulator Material:
Black Liquid Crystal Polymer
Terminal Material:
Phosphor Bronze
Plating:
Sn or Au over
50µ" (1,27 µm) Ni
Current Rating (FTSH/CLP):
3.3 A per pin
(1 pin powered per row)
Operating Temp Range:
-55°C to +125°C
RoHS Compliant:
Yes

Processing:

Lead-Free Solderable:
Yes
SMT Lead Coplanarity:
–MT & –DV Tail Option:
(0,10 mm) .004" max (02-25)
–MT & –DH Tail Option:
(0,15 mm) .006" max (26-50)

RECOGNITIONS

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

FILE NO. E111594

FILE NO: 090871_0_000

ALSO AVAILABLE
(MOQ Required)

- Molded Pick & Place pads
- Latches
- Other platings

Contact Samtec.

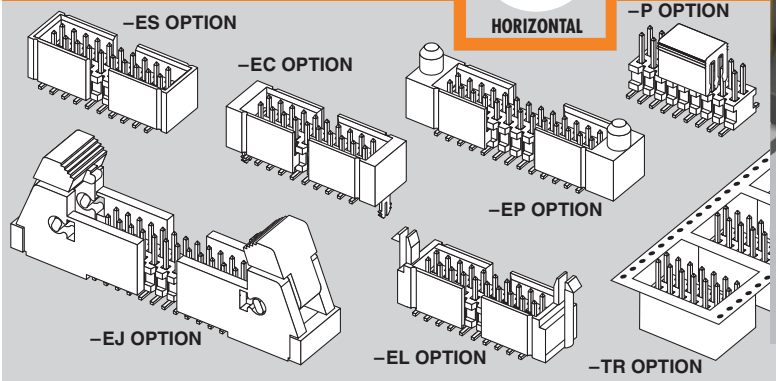
Note: Some sizes, styles and options are non-standard, non-returnable.

Note: See SFM/TFM for positive alignment feature.

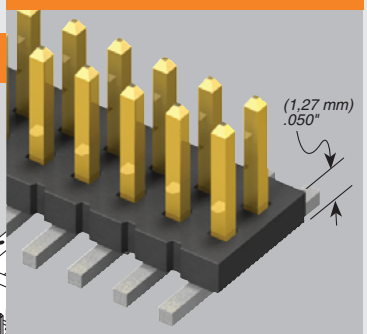
Mates with:
FFSD, FFTP, CLP, FLE

APPLICATIONS

OPTIONS



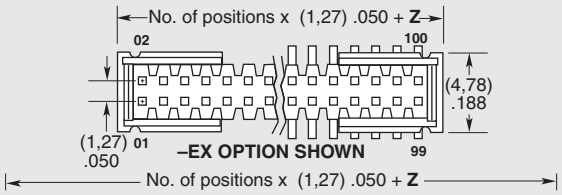
OTHER SOLUTIONS

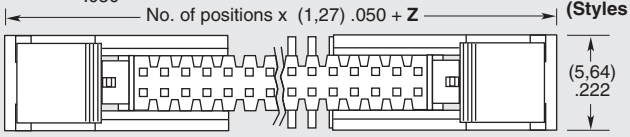


Ultra-low profile option available.
End Shrouds available.
Call for FTS Series specifications.

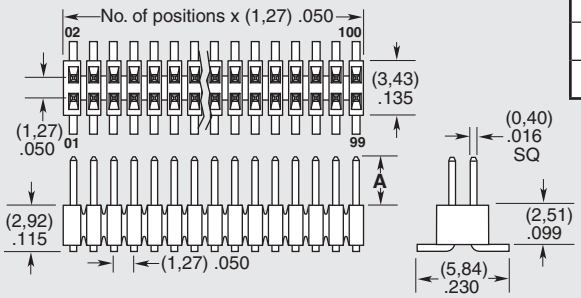
FTSH	–	1	NO. PINS PER ROW	–	LEAD STYLE

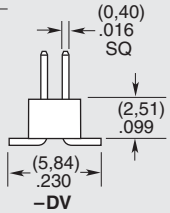
02 thru 50



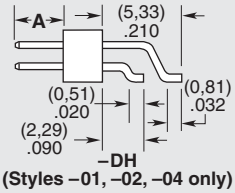


–EJ OPTION SHOWN

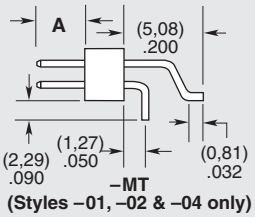




–DV



–DH
(Styles –01, –02, –04 only)



–MT
(Styles –01, –02 & –04 only)

OPTION	Z
–ES	(2,57) .101
–EJ	(15,77) .621
–EC	(3,33) .131
–EP	(5,87) .231
–EL	(6,53) .257

LEAD STYLE	A
–01	(3,05) .120
–02	(1,91) .075
–03	(1,65) .065
–04	(3,81) .150
–05	(4,32) .170

–01
= (3,05 mm) .120" Post
(Mates with FFSD, CLP–DH)

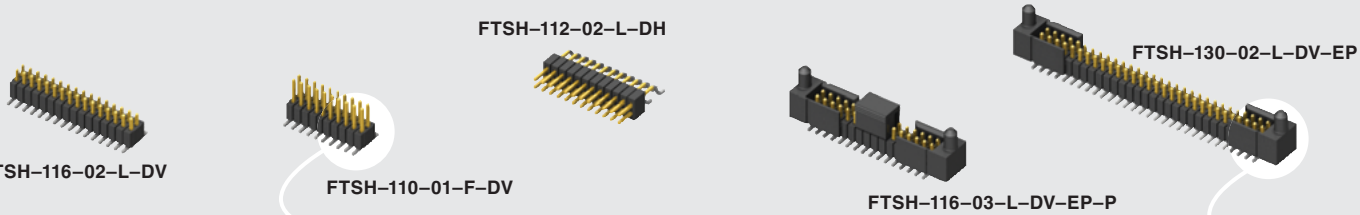
–02
= (1,91 mm) .075" Post
(Mates with FLE)

–03
= (1,65 mm) .065" Post
(Mates with CLP–D)

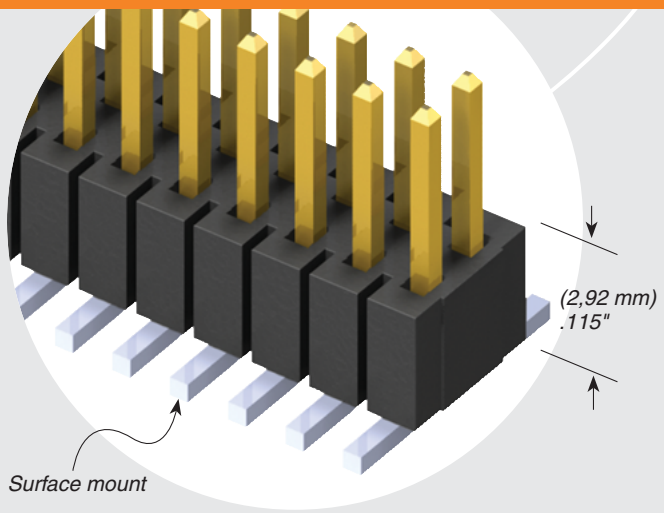
–04
= (3,81 mm) .150" Post

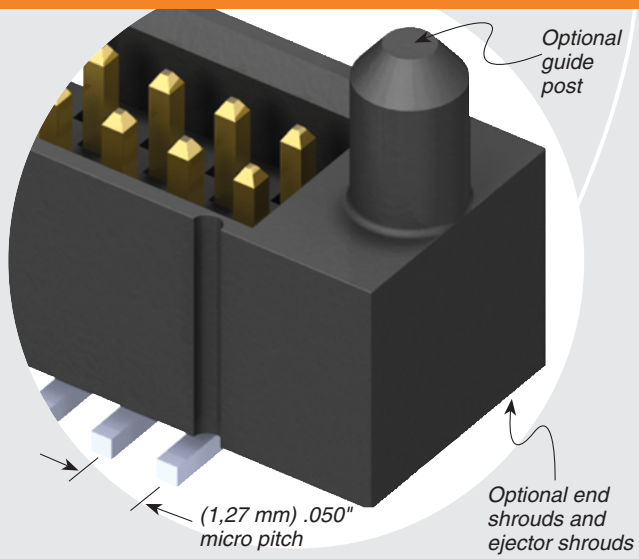
–05
= (4,32 mm) .170" Post
(Mates with CLP–BE)

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



FTSH SERIES





PLATING OPTION

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

–L
= 10µ" (0,25 µm) Gold on post, Matte Tin on tail

TAIL OPTION

–DV
= Double Vertical

–DH
= Double Horizontal (Styles –01, –02 & –04 only)

–MT
= Mixed Technology (Styles –01, –02 & –04 only)

OPTION

Leave Blank for -DH & -MT

–"XXX"
= Polarized Position (Specify position of omitted pin) (Not available with -EX options)

FLEX SHROUD OPTIONS

(Style –02 & –03 only, –DH & –MT not available) 9 pins/row minimum (Other positions available. Call Samtec.)

–ES
= End Shroud

–EC
= End Shroud with Locking Clip (Manual placement required)

–EP
= End Shroud with Guide Post

–EL
= End Shroud with Board Lock (Boards are positively locked and cannot be unmated)

–EJ
= Ejector Shroud (Style –01 only) –DH & –MT not available 10 pins/row minimum 25 pins/row maximum

OTHER OPTIONS

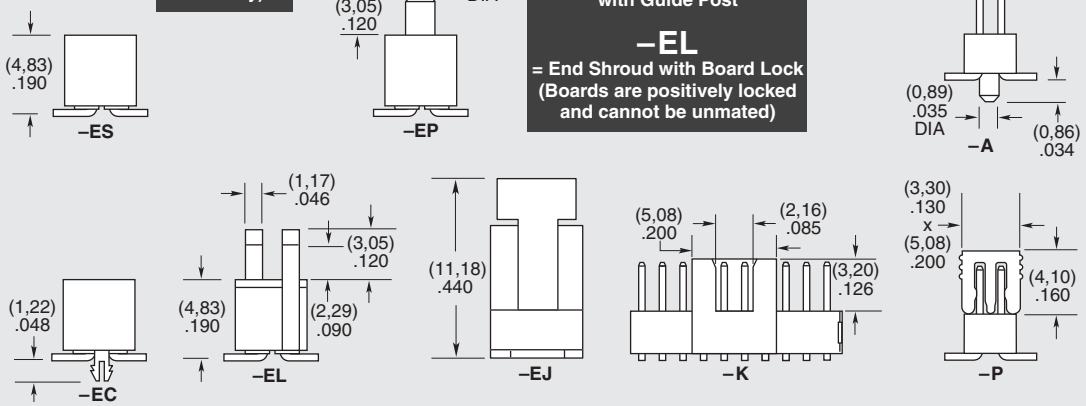
–K
= Keying Shroud (For mating with FFSD Style –01 only and 05, 08, 10, 13, 17, 20 & 25 pins/row only. 13, 17, 20 & 25 pins/row only with shrouds) (–DV only)

–A
= Alignment Pin (–DV 3 positions min.) (–DH 5 positions min.) (Metal or plastic at Samtec discretion)

–C
= (5,00 mm) .197" DIA Polyimide film Pick & Place Pad (–DH only)

–P
= Pick & Place Pad (–DV 4 positions min.) (–DH & –MT not available)

–TR
= Tape & Reel Packaging (Flex Shroud options not available except –ES & –EJ)



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