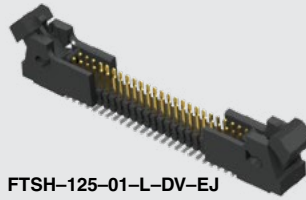




FTSH-112-01-L-MT



FTSH-125-01-L-DV-EJ



FTSH-120-01-F-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 50 μm (1.27 μm) Ni
Current Rating (FTSH/CLP): 3.4 A per pin (2 pins powered)
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)*
 *(.004" stencil solution may be available; contact IPG@samtec.com)

RECOGNITIONS

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



ALSO AVAILABLE (MOQ Required)

- Molded Pick & Place pads
- Latches
- Other platings

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

See SFM/TFM for positive alignment feature.

Board Mates: CLP, FLE

Cable Mates: FFSD, FFTP

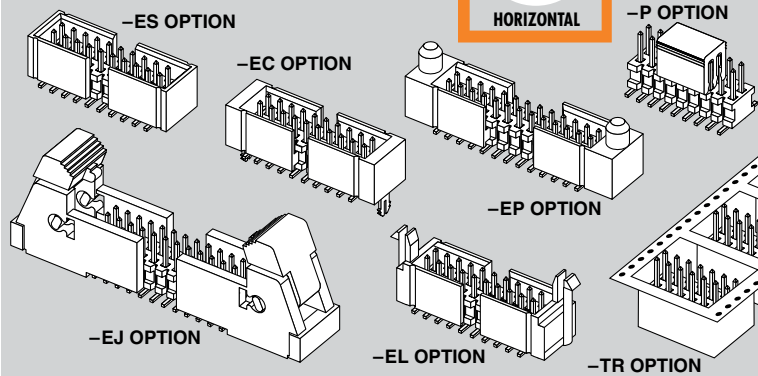
APPLICATIONS



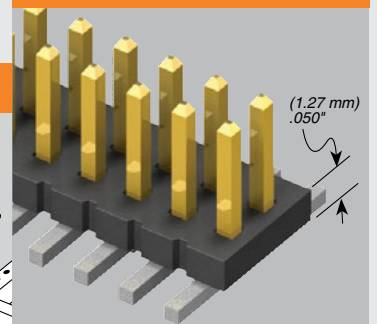
HORIZONTAL

-P OPTION

OPTIONS



OTHER SOLUTIONS



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

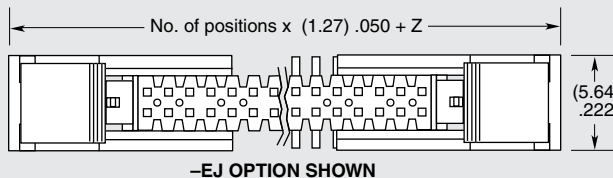
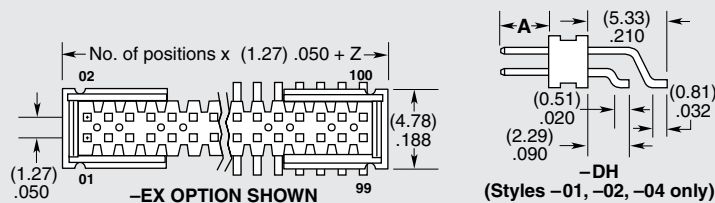
FTSH

1

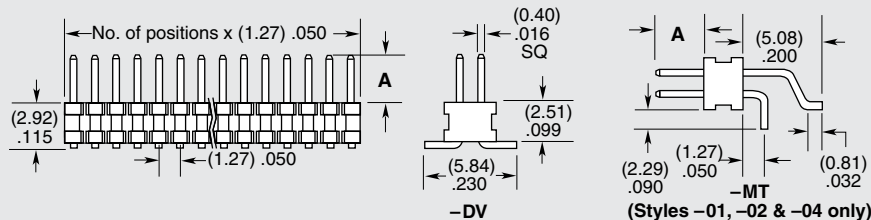
NO. PINS PER ROW

LEAD STYLE

02 thru 50



OPTION	Z
-ES	(2.57) .101
-EJ	(15.77) .621
-EC	(3.33) .131
-EP	(5.87) .231
-EL	(6.53) .257



- 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)

LEAD STYLE	A
-01	(3.05) .120
-02	(1.91) .075
-03	(1.65) .065
-04	(3.81) .150
-05	(4.32) .170

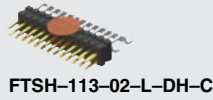
Due to technical progress, all designs, specifications and components are subject to change without notice.

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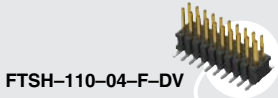
All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.



FTSH-117-02-L-DV



FTSH-113-02-L-DH-C



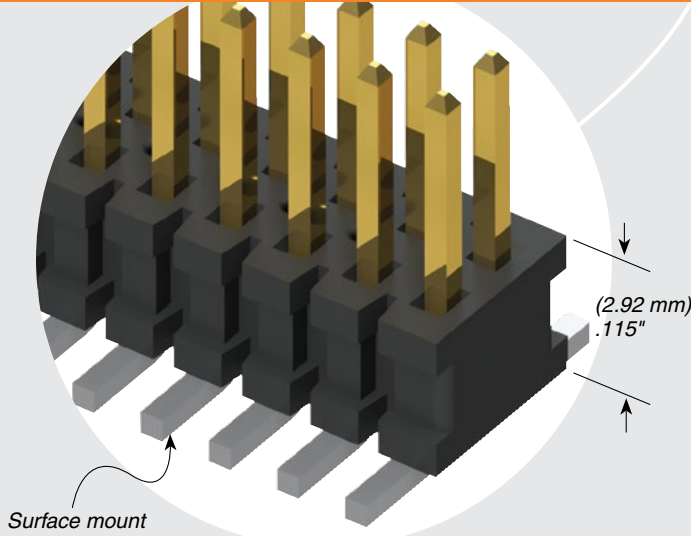
FTSH-110-04-F-DV



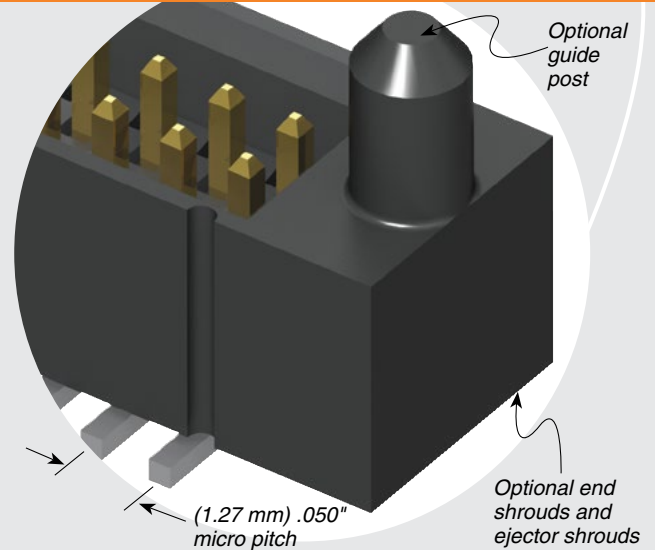
FTSH-112-03-L-DV-EP-P

FTSH-150-02-L-DV-EP

FTSH SERIES



Surface mount



Optional guide post

Optional end shrouds and ejector shrouds

PLATING OPTION

- F**
= Gold flash on post, Matte Tin on tail
- L**
= 10 μm (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

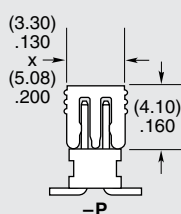
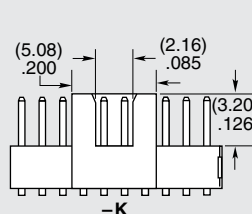
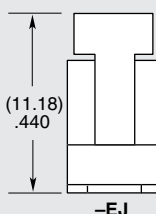
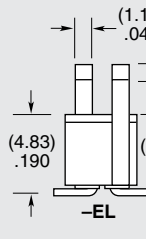
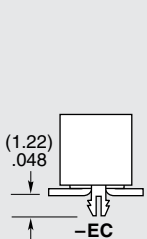
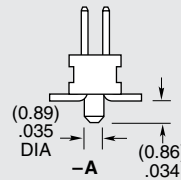
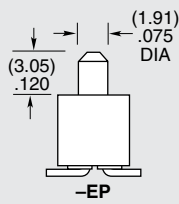
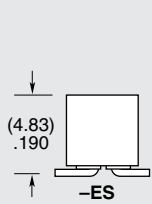
(Style -02 & -03 only, -DH & -MT not available)
9 pins/row minimum
(Other positions available. Call Samtec.)

- 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 -EJ option) (-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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