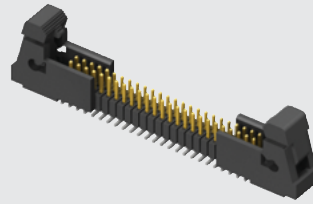




(1,27 mm) .050"



FTSH-125-01-L-DV-EJ



FTSH-110-01-L-DV  
FTSH-120-01-F-DV

# SMT MICRO HEADER

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?FTSH](http://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)

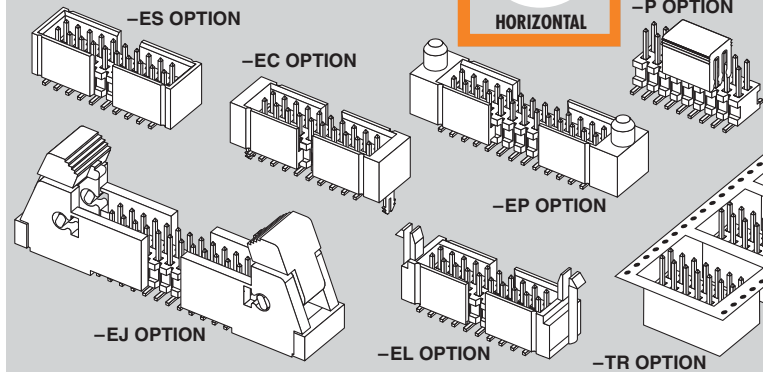
Mates with: FFSD, FFTP, CLP, FLE

## APPLICATIONS

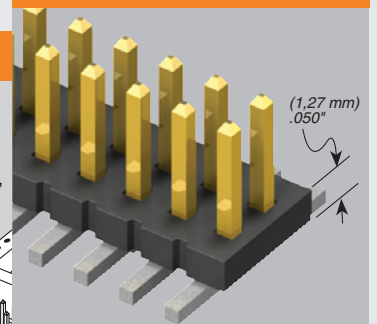


HORIZONTAL

## OPTIONS



## OTHER SOLUTIONS



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

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



## 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.

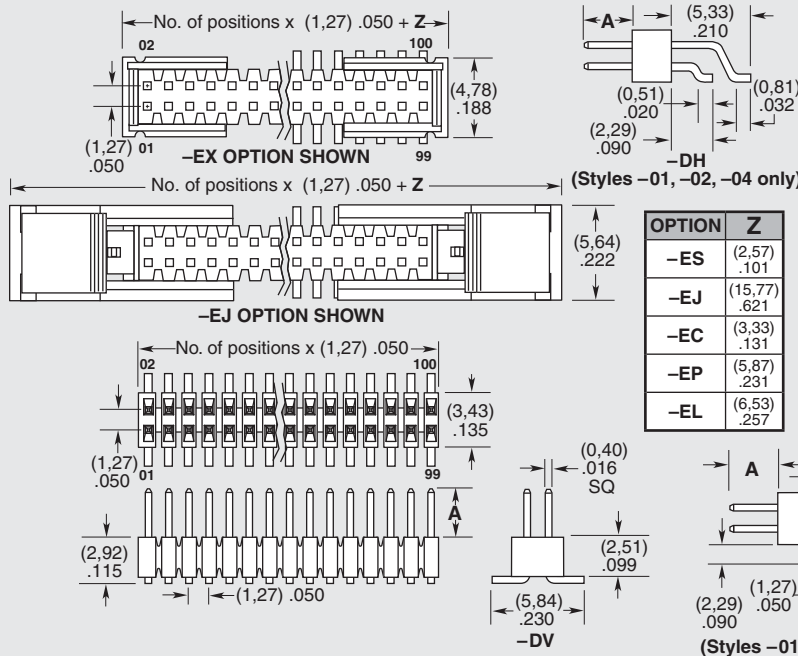
FTSH

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)

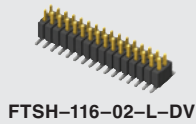
**-02**  
= (1,91 mm) .075" Post (Mates with FLE)

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

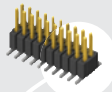
**-04**  
= (3,81 mm) .150" Post

**-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



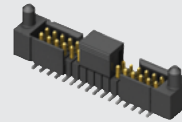
FTSH-116-02-L-DV



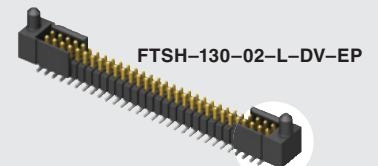
FTSH-110-01-F-DV



FTSH-112-02-L-DH

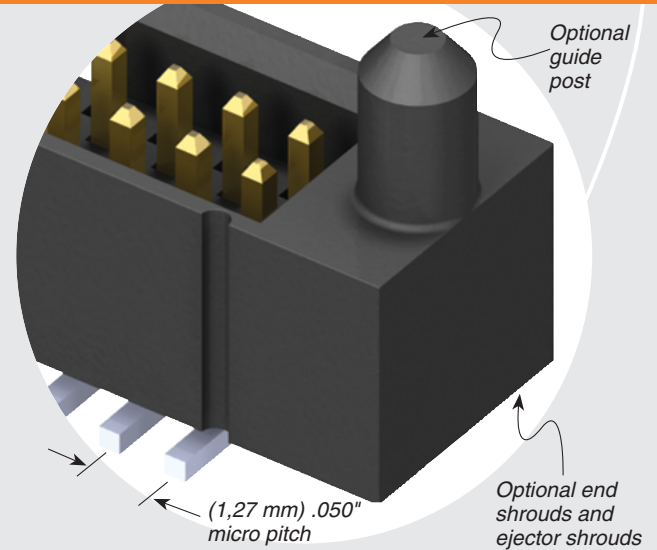
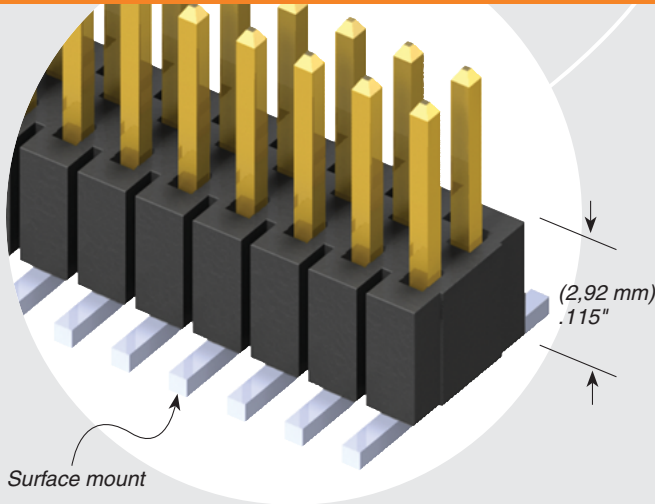


FTSH-116-03-L-DV-EP-P



FTSH-130-02-L-DV-EP

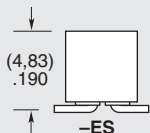
**FTSH SERIES**



**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

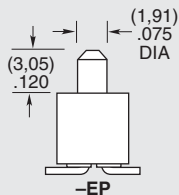
**-DH**  
= Double Horizontal (Styles -01, -02 & -04 only)

**-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.)

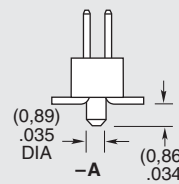
**-ES**  
= End Shroud

**-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)

