

FTSH-125-01-L-DV-EJ



FTSH-110-01-L-DV

FTSH-120-02-F-DV

Surface  
**SMT**  
Mount

T/H  
Page 142

# .050" MICRO HEADER FTSH SERIES

## SPECIFICATIONS

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

**Insulator Material:**  
Black Liquid Crystal Polymer



**Terminal Material:**  
Phosphor Bronze

**Current Rating:**  
1.75A @ 80°C ambient

**Operating Temp Range:**  
-65°C to +125°C

**Plating:**  
Sn or Au over 50µ" (1,27µm) Ni

**Note:**  
See SFM/TFM for positive alignment feature.

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

**Mates with:**  
FFSD, CLP, FLE,  
SFMC, SFMH

## APPLICATIONS



HORIZONTAL

-P OPTION

## OPTIONS

-ES OPTION

-EC OPTION

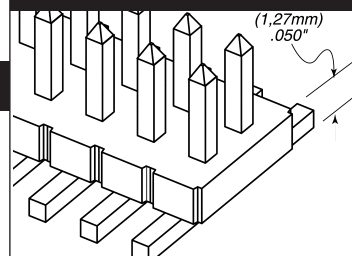
-EP OPTION

-EJ OPTION

-EL OPTION

-TR OPTION

## ALSO AVAILABLE



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

## APPLICATION SPECIFIC OPTION

Molded pick-and-place pads,  
latches, single row option and  
straddle mount leads available.  
Call Samtec.

## Processing:

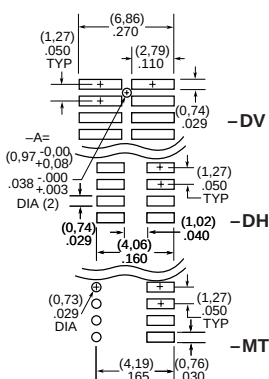
**Max Processing Temp:**  
230°C for 60 seconds

**SMT Lead Coplanarity:**  
(0,10mm) .004" max (02-25)  
(0,15mm) .006" max (26-50)

**Suggested Paste Thickness:**

For most applications add  
(0,05mm) .002" to max SMT  
lead coplanarity

**Suggested PCB Layouts:**  
For reference only. Please  
contact Samtec or go to  
[www.samtec.com?FTSH](http://www.samtec.com?FTSH) for  
recommended PCB layout.



FTSH

1

NO. PINS  
PER ROWLEAD  
STYLE

02 thru 50

-01

= (3,05) .120" Post (Mates with FFSD, FLE)

-02

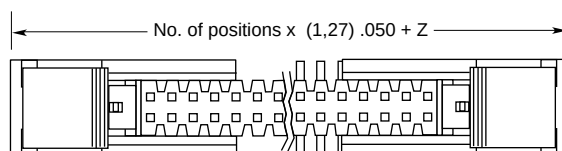
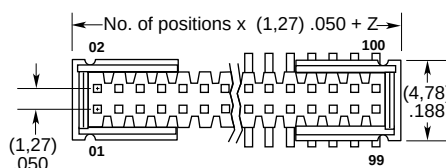
= (1,91) .075" Post (Mates with FLE)

-03

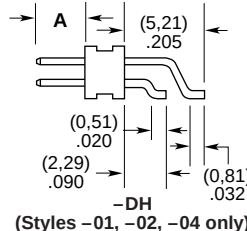
= (1,65) .065" Post (Mates with CLP -DV)

-04

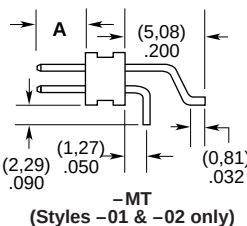
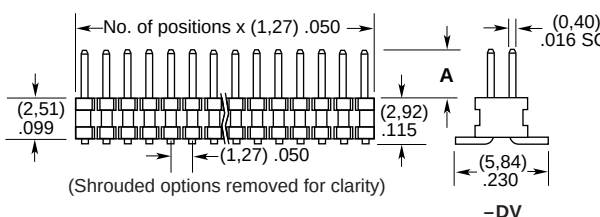
= (3,81) .150" Post (Mates with SFMC, SFMH)



| LEAD STYLE | A           |
|------------|-------------|
| -01        | (3,05) .120 |
| -02        | (1,91) .075 |
| -03        | (1,65) .065 |
| -04        | (3,81) .150 |



| OPTION | Z            |
|--------|--------------|
| -ES    | (1,55) .061  |
| -EJ    | (15,77) .621 |
| -EC    | (3,33) .131  |
| -EP    | (5,87) .231  |
| -EL    | (6,53) .257  |



## TAPE & REEL AVAILABILITY

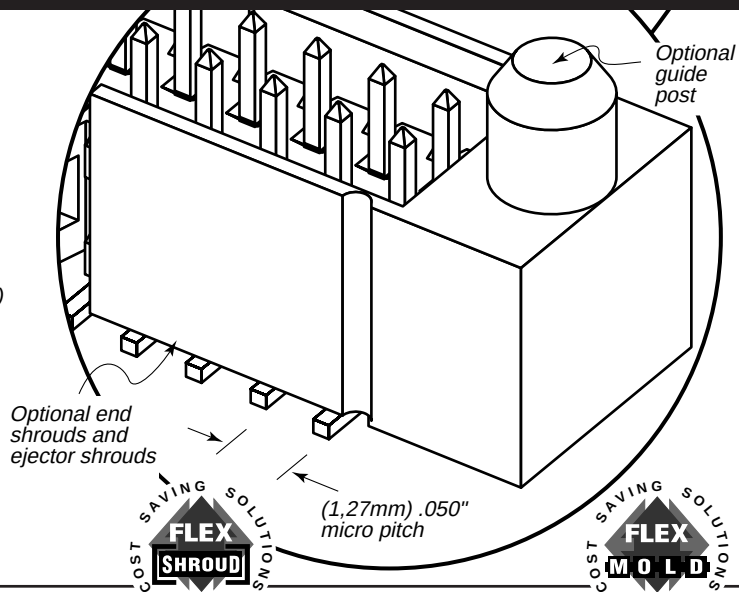
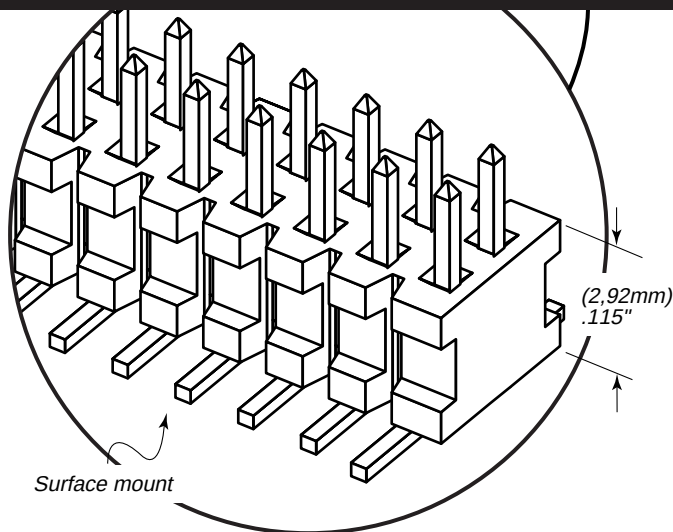
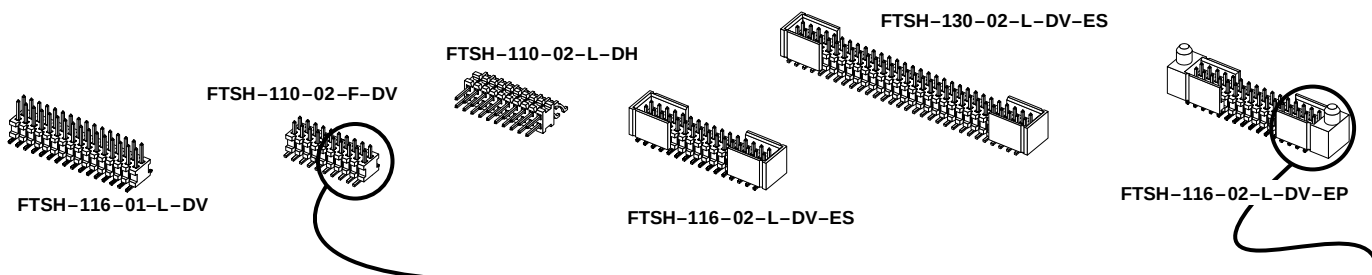
No tooling charges.  
125 piece minimum order.  
Order any quantity above minimum.  
In-house design, manufacture.  
Quick turn-around.

Call Samtec for specifications  
and ordering information.

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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

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## PLATING OPTION

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

**-F**  
= Gold flash on post,  
Tin on tail

## TAIL OPTION

**-DV**  
= Double Vertical

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

**-MT**  
= Mixed Technology  
(Styles -01  
& -02 only)

## FLEX SHROUD OPTIONS

(Style -02 & -03 only, -DH  
not available)  
9 pins/row minimum

**-ES**  
= End Shroud

**-EC**  
= End Shroud  
with Locking Clip

**-EP**  
= End Shroud  
with Guide Post

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

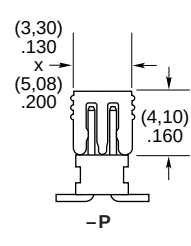
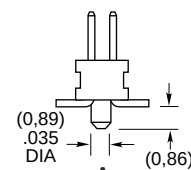
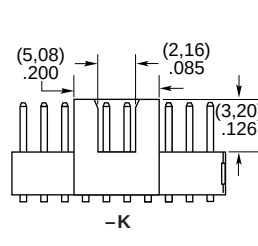
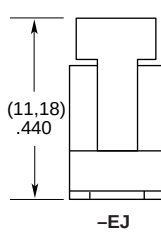
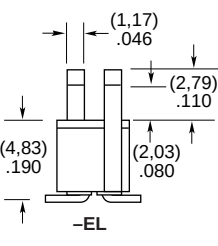
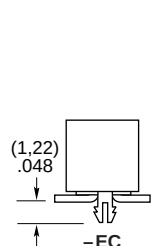
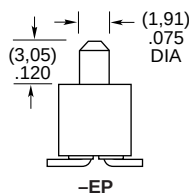
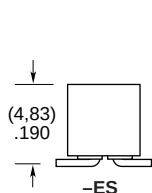
**-EJ**  
= Ejector Shroud  
(Style -01 only)  
-DH & -MT not available  
10 pins/row minimum  
25 pins/row maximum

## OTHER OPTIONS

**-K**  
= Keying Shroud  
(For mating with FFSD  
Styles -01 only, 05, 08, 10,  
13, 17, 20 & 25 pins/row only,  
13, 17, 20 & 25 only with  
shrouds)

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

**-C**  
= (4,00mm) .157\"/>



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