

FTSH-125-01-L-DV-EJ



FTSH-110-01-L-DV

FTSH-120-01-F-DV

(1,27mm) .050"

FTSH SERIES

# 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" (1,27µm) Ni

**Current Rating:**

1.75A @ 80°C ambient

**Operating Temp Range:**

-55°C to +125°C

**RoHS Compliant:**

Yes

**Processing:**

Lead-Free Solderable:

Yes

**SMT Lead Coplanarity:**

-MT & -DV Tail Option: (0,10mm) .004" max (02-25)

-MT & -DH Tail Option: (0,15mm) .006" max (26-50)



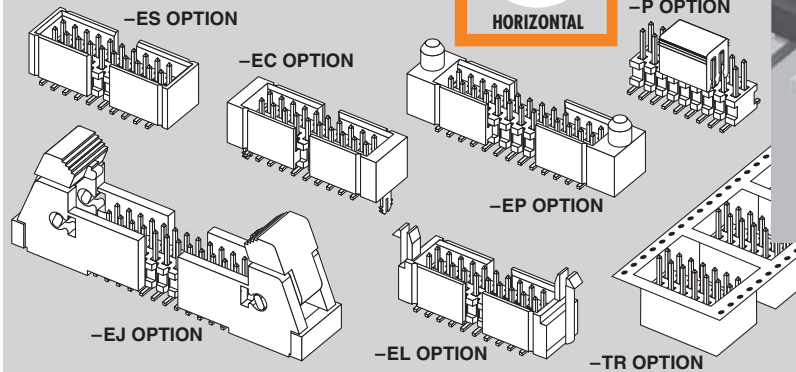
Mates with: FFSD, CLP, FLE, SFMC, SFMH

### APPLICATIONS

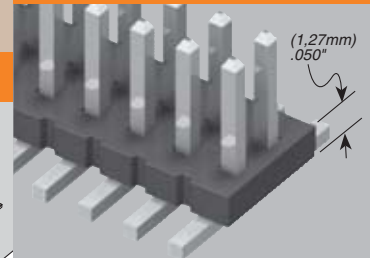


HORIZONTAL

### OPTIONS



### ALSO AVAILABLE



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

### APPLICATION SPECIFIC OPTION

Molded Pick & Place pads and latches available. Call Samtec.

1,27mm FTSH/CLP	Rated @ 3dB Insertion Loss
5,13mm Stack Height	
Single-Ended Signaling	7.0 GHz / 14 Gbps
Differential Pair Signaling	8.5 GHz / 17 Gbps
Performance data for other stack heights and complete test data available at <a href="http://www.samtec.com?FTSH">www.samtec.com?FTSH</a> or contact sig@samtec.com.	

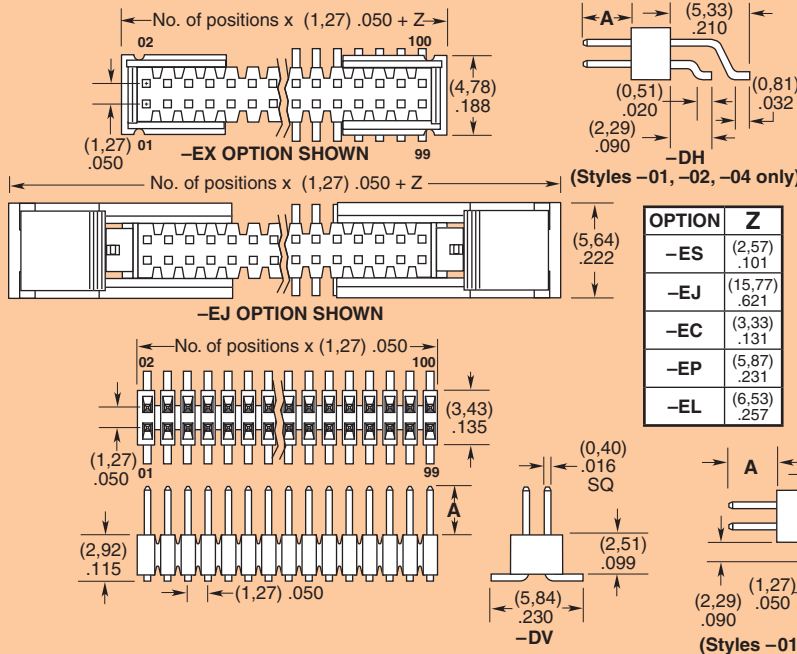
FTSH

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) .120" Post (Mates with FFSD, FLE, CLP-DH)
- 02 = (1,91) .075" Post (Mates with FLE)
- 03 = (1,65) .065" Post (Mates with CLP-D)
- 04 = (3,81) .150" Post (Mates with SFMC, SFMH)
- 05 = (4,32) .170" Post (Mates with CLP-BE)

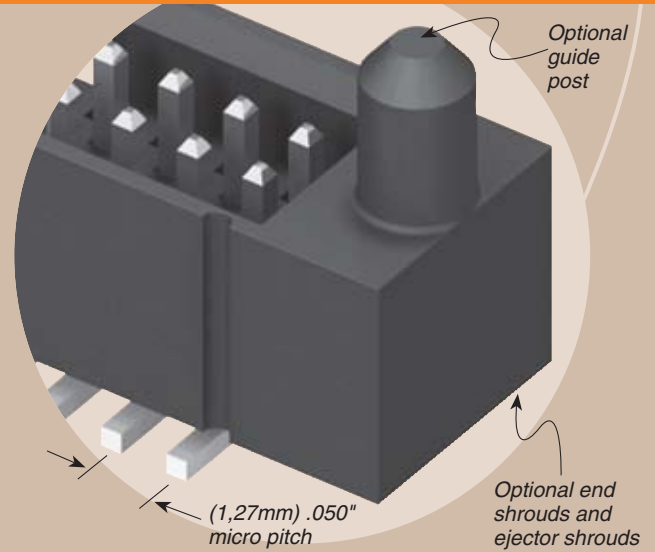
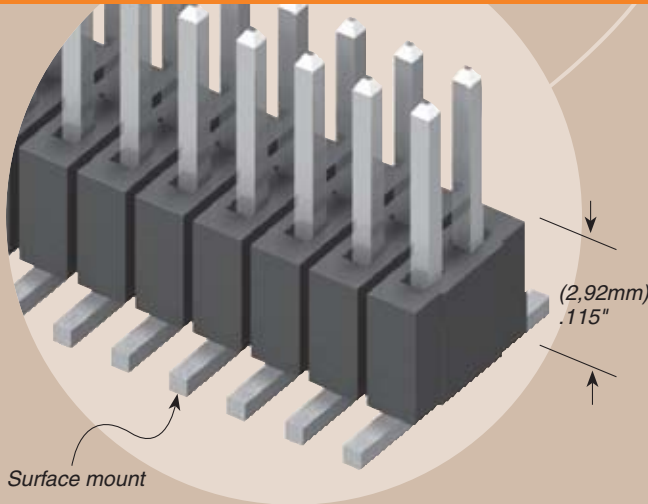
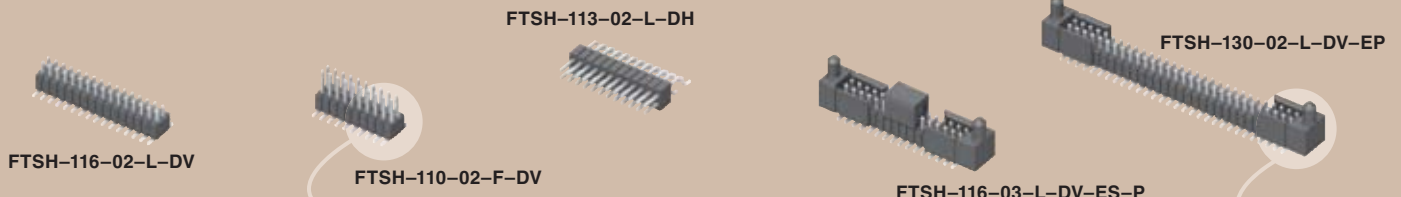
LEAD STYLE	A
-01	(3,05) .120
-02	(1,91) .075
-03	(1,65) .065
-04	(3,81) .150
-05	(4,32) .170

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

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

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

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### PLATING OPTION

#### -F

= Gold flash on post, Matte Tin on tail

#### -L

= 10 $\mu$ " (0,25 $\mu$ m) Gold on post, Matte Tin on tail

Note: Other Gold plating options available. Contact Samtec.

### TAIL OPTION

#### -DV

= Double Vertical

#### -DH

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

#### -MT

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

### FLEX SHROUD OPTIONS

(Style -02 & -03 only, -DH 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

= Mating 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) (-DV only)

#### -A

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

#### -C

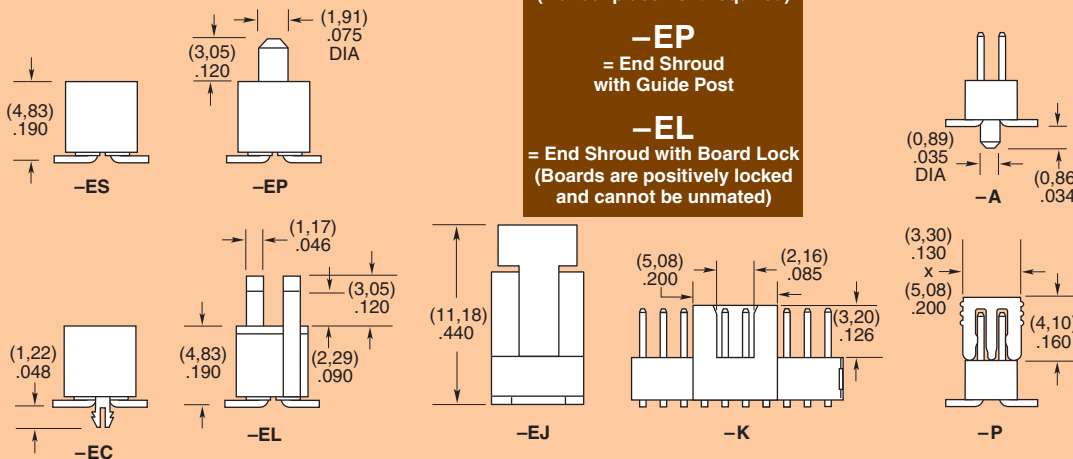
= (4,00mm) .157" DIA Polyimide film Pick & Place Pad (-DH only)

#### -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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