

Surface  
**SMT**  
Mount

# .050" MICRO HEADER FTSH SERIES

## 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

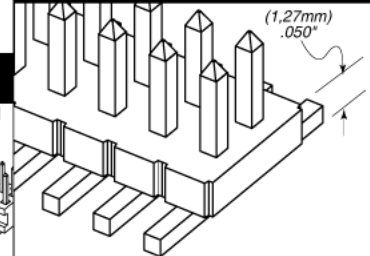
**Processing:**  
**Max Processing Temp:** 230°C for 60 seconds, or 260°C for 20 seconds 3x  
**Lead-Free Solderable:** Yes  
**SMT Lead Coplanarity:** (0,10mm) .004" max (02-25) (0,15mm) .006" max (26-50)

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

## APPLICATIONS

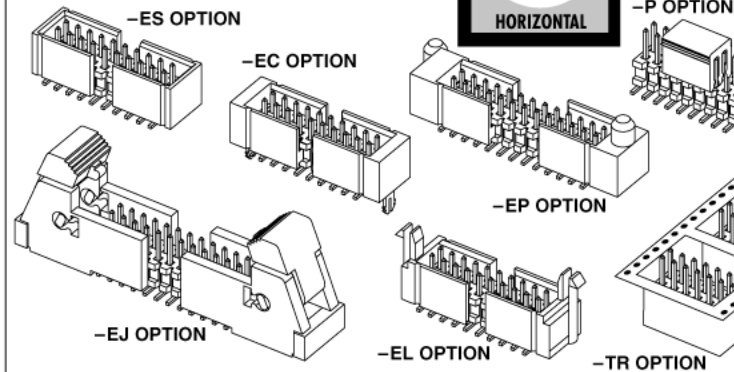


## ALSO AVAILABLE



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

## OPTIONS



## APPLICATION SPECIFIC OPTION

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

FTSH

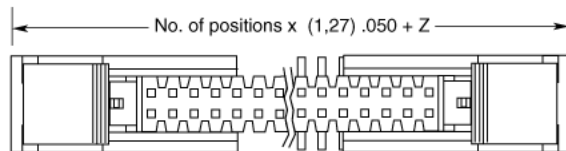
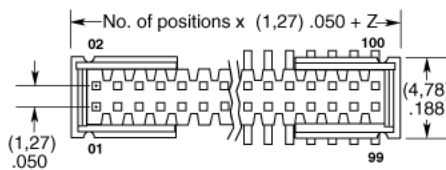
1

NO. PINS PER ROW

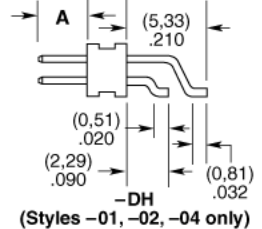
LEAD STYLE

02 thru 50

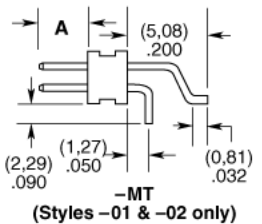
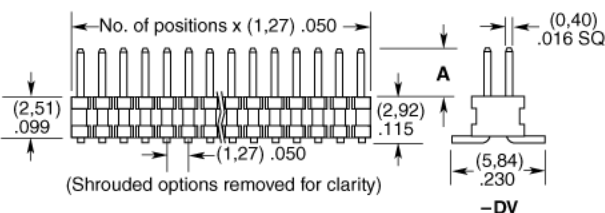
- 01 = (3,05) .120" Post (Mates with FFSD, FLE)
- 02 = (1,91) .075" Post (Mates with FLE)
- 03 = (1,65) .065" Post (Mates with CLP -D)
- 04 = (3,81) .150" Post (Mates with SFMC, SFMH)



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



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



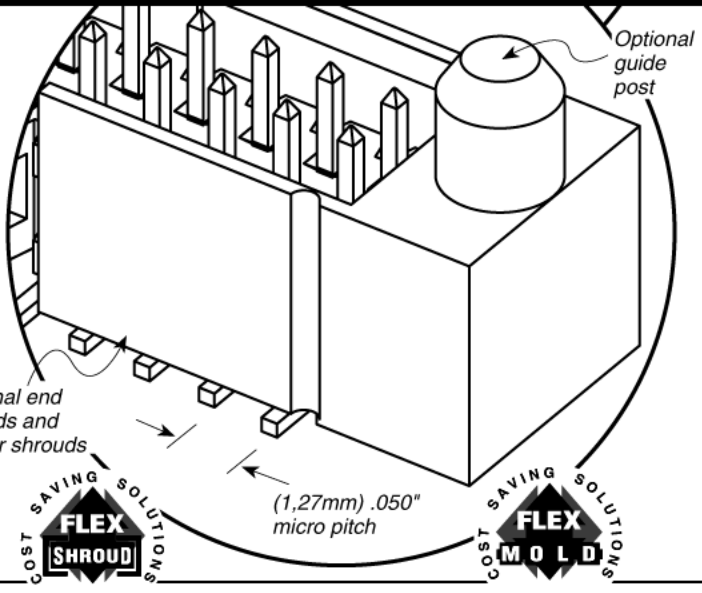
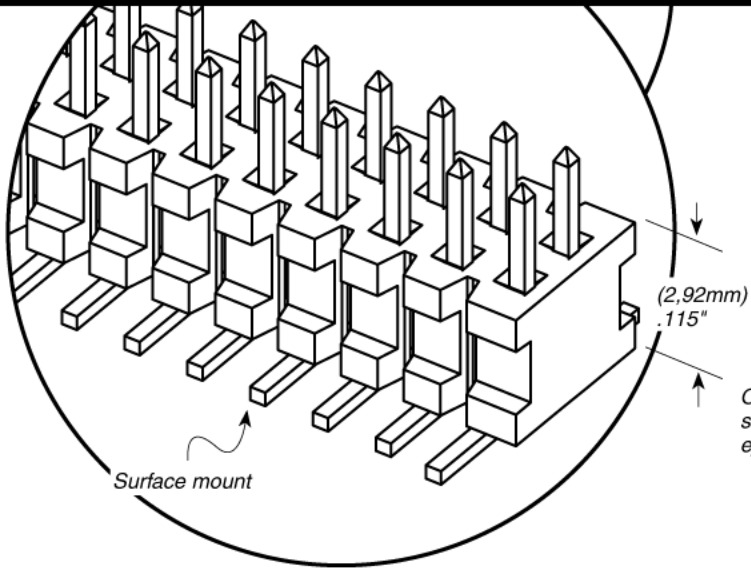
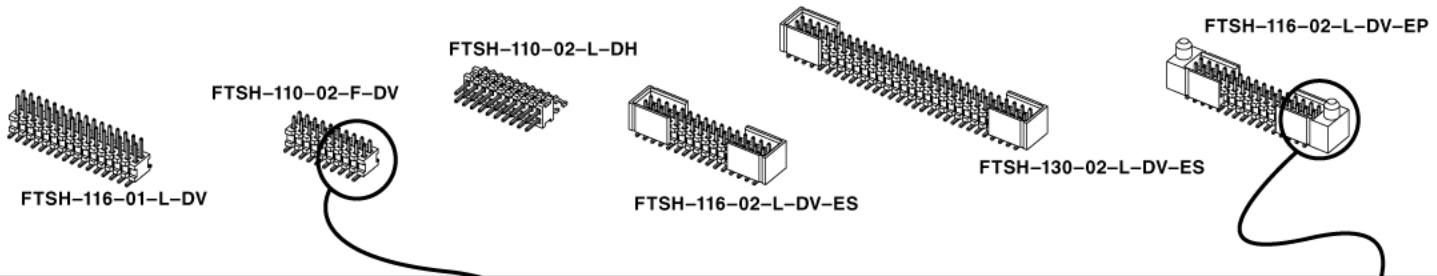
**TAPE & REEL AVAILABILITY**  
 No tooling charges. 125 piece minimum order. Order any quantity above minimum. In-house design, manufacture. Quick turn-around. Call Samtec for specifications and ordering information.

**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**

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

**-F**  
= Gold flash 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)

**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)

**OTHER OPTIONS**

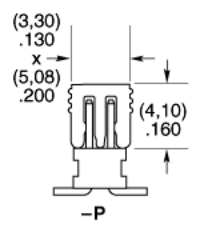
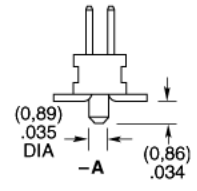
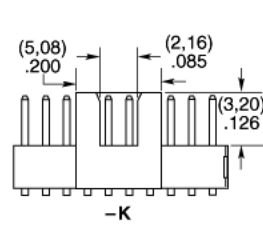
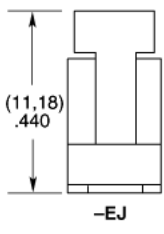
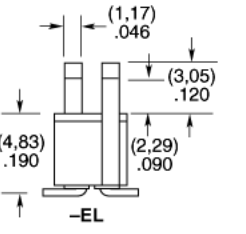
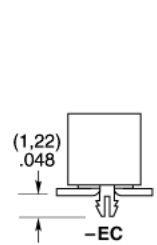
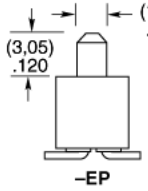
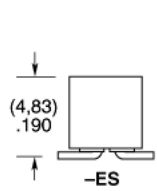
**-K**  
= Mating Shroud (For mating with FFSD Styles -01 only, 05, 08, 10, 13, 17, 20 & 25 pins/row only, 13, 17, 20 & 25 only with shrouds)

**-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 (Tail option -DV & -DH only)  
Flex Shroud options not available except -ES & -EJ



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