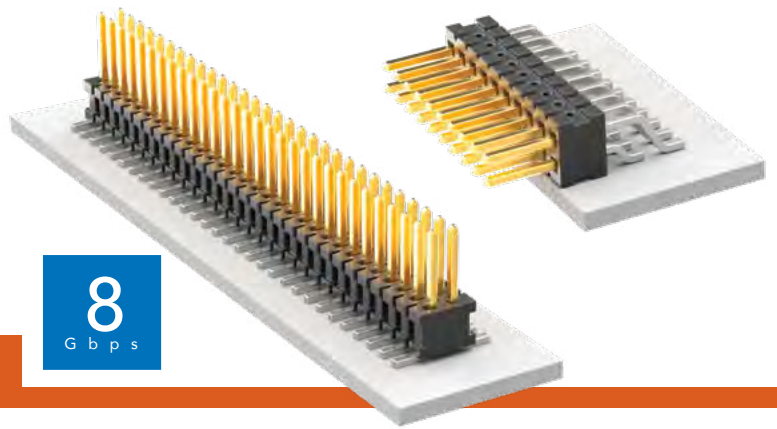


# SURFACE MOUNT MICRO HEADER

(1.27 mm) .050" PITCH • FTSH SERIES



## FTSH

**Board Mates:**  
CLP, FLE

**Cable Mates:**  
FFSD, FFTP

### SPECIFICATIONS

**Insulator Material:**  
Black Liquid Crystal Polymer

**Terminal Material:**  
Phosphor Bronze

**Plating:**  
Sn or Au over

50 μ" (1.27 μm) Ni

**Current Rating (FTSH/CLP):**  
3.4 A per pin

(2 pins powered)

**Operating Temp Range:**  
-55 °C to +125 °C

### 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)

### 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.

FTSH	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	TAIL OPTION	OPTION	FLEX SHROUD OPTIONS	OTHER OPTIONS
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02 thru 50

**-01**  
= (3.05 mm) .120" Post (Mates with FFSD)

**-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 (Mates with CLP-DH)

**-05**  
= (4.32 mm) .170" Post (Mates with CLP-BE)

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

**-L**  
= 10 μ" (0.25 μm) Gold on post, Matte Tin on tail

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

**-DV**  
= Double Vertical

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

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

Leave Blank for -DH & -MT

**-"XXX"**  
= Polarized Position (Specify position of omitted pin) (Not available with -EX 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

**-K**  
= Keying Shroud (For mating with FFSD Style -01 only and 05, 08, 10, 13, 15, 17, 20 & 25 pins/row only. 13, 17, 20 & 25 pins/row only with -EJ option) (-DV only)

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

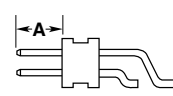
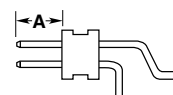
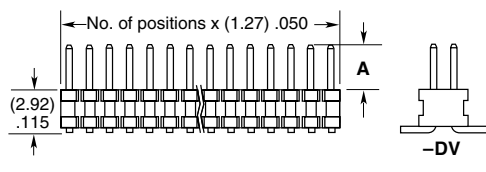
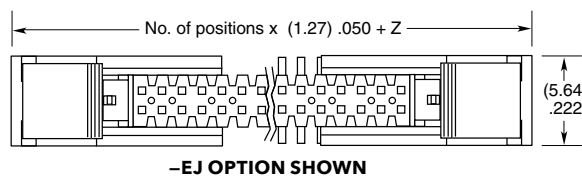
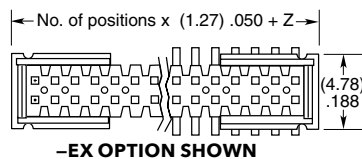
**-C**  
= (5.00 mm) .197" DIA Polyimide film Pick & Place Pad (-DH only)

**-P**  
= Pick & Place Pad (-DV 4 positions minimum) (-DH & -MT not available)

**-TR**  
= Tape & Reel (Flex Shroud options not available except -ES & -EJ)

**-FR**  
= Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks)

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



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

