



FTMH-125-02-L-DV



FTMH-116-02-F-DV-ES

Surface  
**SMT**  
Mount

# 1mm MICRO HEADERS FTMH SERIES

## SPECIFICATIONS

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

**Insulator Material:**

Black Liquid Crystal Polymer



**Terminal Material:**

Phosphor Bronze

**Current Rating:**

1.5A @ 80°C ambient

**Operating Temp Range:**

-55°C to +125°C

**Plating:** Sn or Au over 50µ" (1.27µm) Ni

**RoHS Compliant:**

Yes

**Processing:**

**Max Processing Temp:**

230°C for 60 seconds, or 260°C for 20 seconds 3x

**Lead-Free Solderable:**

Yes

**-DV Lead Coplanarity:**

(0,10mm) .004" max

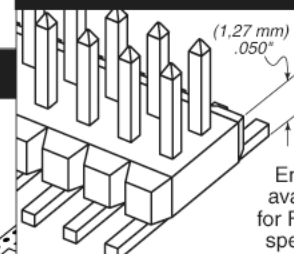
**-DH Lead Coplanarity:**

(0,10mm) .004" max (05-25)

(0,15mm) .006" max (26-50)

Mates with:  
CLM, MLE

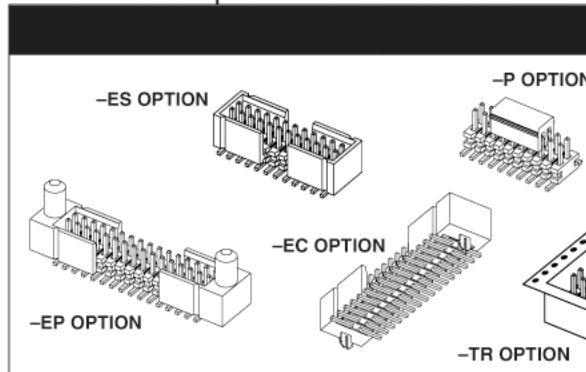
## ALSO AVAILABLE



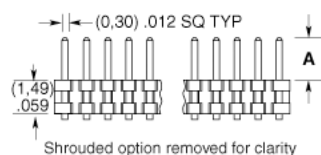
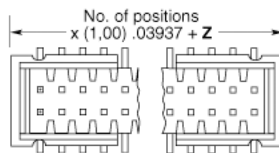
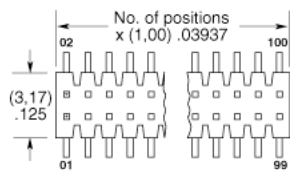
Ultra-low profile option available. End Shrouds available. Call for FTMH Series specifications.

## APPLICATION SPECIFIC OPTION

End shrouds with board locks available. Molded end shrouds available for 05 through 08 positions. Call Samtec.

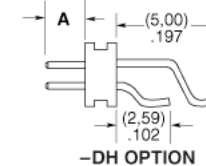
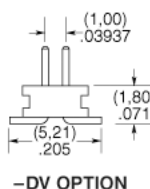


<b>FTMH</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>LEAD STYLE</b>	<b>PLATING OPTION</b>
		<b>05 thru 50</b>	<b>-02</b> = (1.91) .075" Post (Mates with MLE)  <b>-03</b> = (1.65) .065" Post (Mates with CLM)	<b>-L</b> = 10µ" (0.25µm) Gold on post, Matte Tin on tail  <b>-F</b> = Gold flash on post, Matte Tin on tail



LEAD STYLE	A
-02	(1.91) .075
-03	(1.65) .065

OPTION	Z
-ES	(1.57) .062
-EC	(4.06) .160
-EP	(5.49) .216

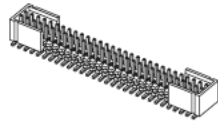


**Note:** Some lengths, styles and options are non-standard, non-returnable.

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

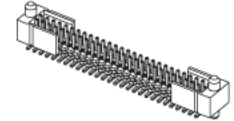
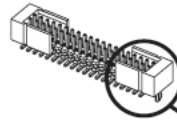
[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

FTMH-110-02-L-DV-P

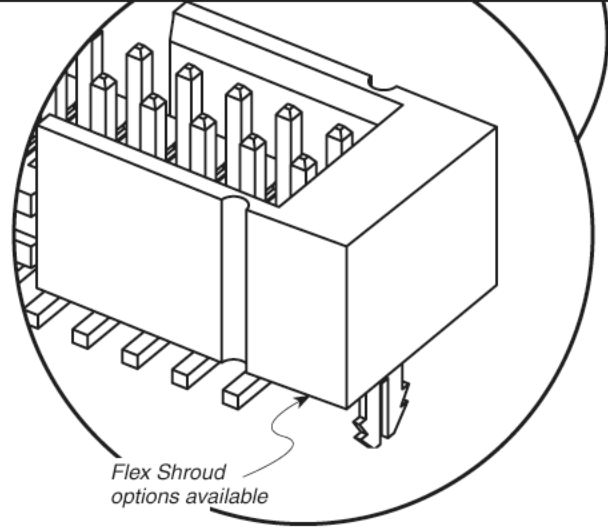
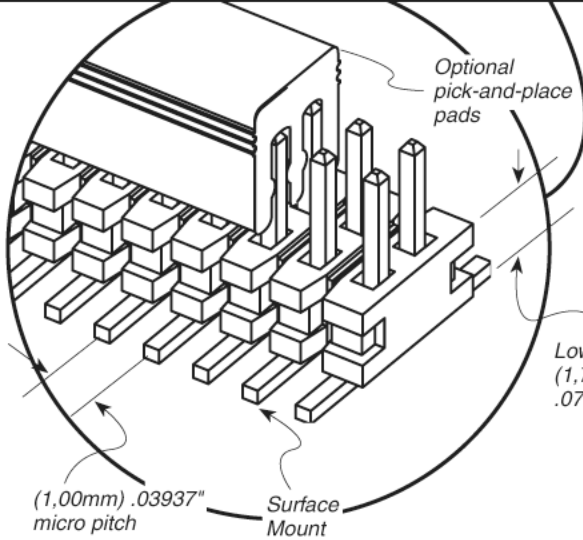


FTMH-130-02-L-DV-ES

FTMH-120-02-F-DV-EC



FTMH-128-02-L-DV-EP



**ROW OPTION**

**FLEX SHROUD OPTIONS**  
(-DV only) 9 pins/row minimum

**OTHER OPTIONS**

**-DV**  
= Dual Vertical

**-DH**  
= Dual Horizontal

**-ES**  
= End Shroud

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

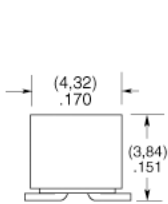
**-EP**  
= End Shroud with Guide Post  
(Use only when mating with CLM)

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

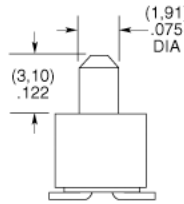
**-K**  
= (2,50mm) .098" DIA Polyimide  
Film Pick & Place Pad  
(-DH only)

**-P**  
= Plastic Pick & Place Pad  
(-DV only)  
(7 positions minimum)

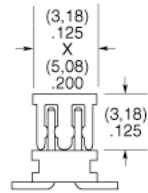
**-TR**  
= Tape & Reel



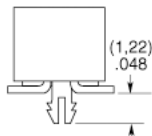
-ES OPTION



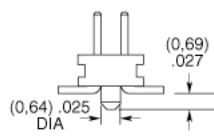
-EP OPTION



-P OPTION



-EC OPTION



-A OPTION

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REV. AN

FIG. 2  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 1)

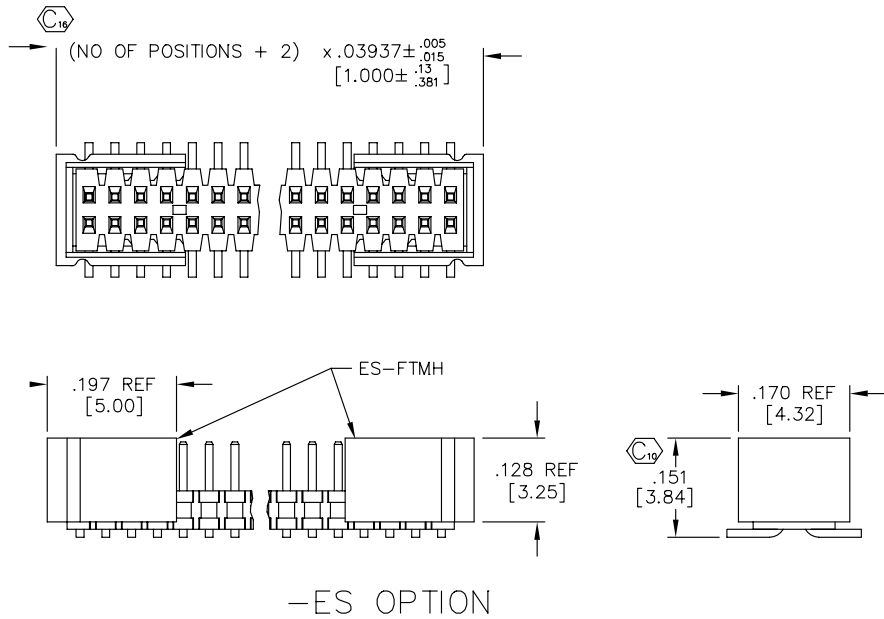
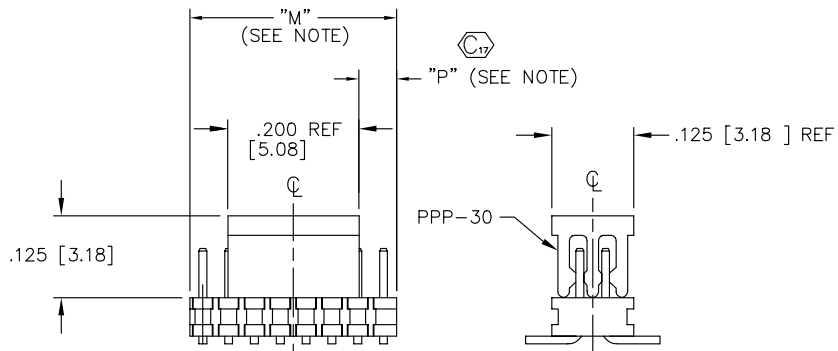


FIG. 3  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 1)

NOTE: "M" = USED MEASURED DIMENSION (REF)  
 "P" =  $\{("M" - .200 [5.08]) / 2\} \pm .020 [5.1]$



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UNLESS OTHERWISE NOTED		TITLE:	DWG NO:
DIMENSIONS ARE IN INCHES		1mm x 1mm	FTMH-1XX-XX-XX-DV-XX
TOLERANCES ARE:		DOUBLE VERTICAL	SHEET 2 OF 3
ONE PLACE DECIMALS $\pm .1 [2.5]$	THREE PLACE DECIMALS $\pm .005 [13]$	ANGLES $\pm 2^\circ$	
TWO PLACE DECIMALS $\pm .01 [25]$	FOUR PLACE DECIMALS $\pm .0020 [51]$		

FIG. 4  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 1)

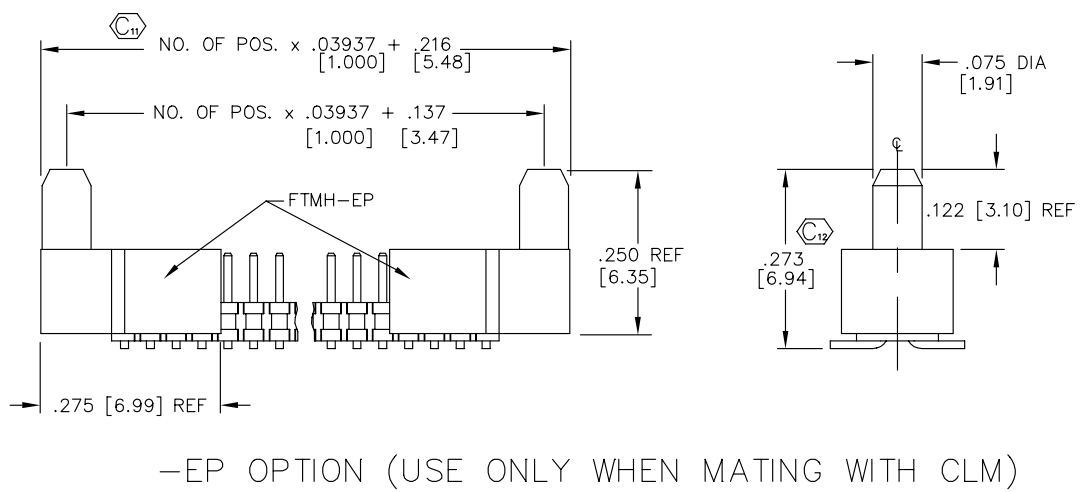
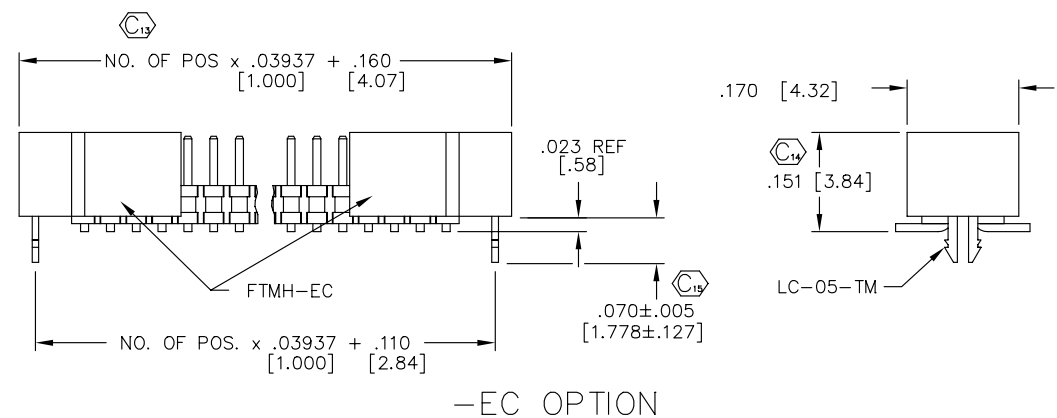


FIG. 5  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 1)



**samtec** EXISPROD\1MM FTMH-SM2

520 PARK EAST BLVD. NEW ALBANY, INDIANA 47150  
 PHONE (812) 944-6733 P.O. BOX 1147  
 CODE 55322

MADE BY: PURVIS 04-22-96

FTMH-1XX-XX-XX-DV-XX  
 sheet 2 of 3

DIMENSIONS ARE IN INCHES		UNLESS OTHERWISE NOTED	TOLERANCES ARE:	TITLE: 1mm x 1mm DOUBLE VERTICAL SMT TERMINAL STRIP	DWG NO: FTMH-1XX-XX-XX-DV-XX
ONE PLACE DECIMALS ± .1[2.54]	THREE PLACE DECIMALS ± .005[.13]	ANGLES ± 1°		SHEET 3 of 3	
TWO PLACE DECIMALS ± .01[.25]	FOUR PLACE DECIMALS ± .0010[.025]				

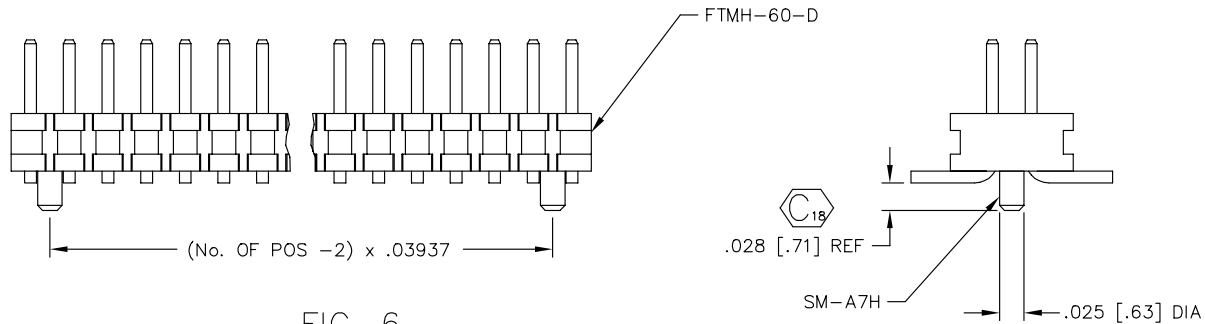


FIG. 6  
-A OPTION  
(STAKED)  
MIN 7 POSITIONS FOR STAKING

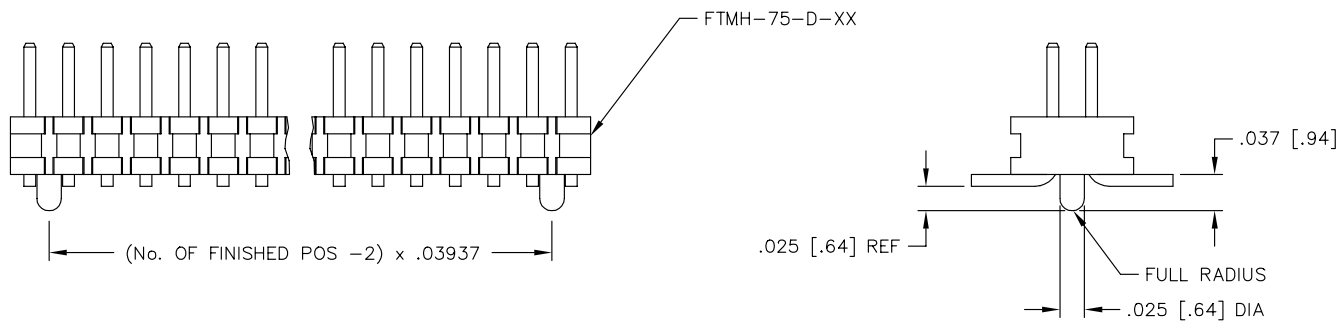


FIG. 7  
-A OPTION  
(MOLDED)  
(3 POS MIN)

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MADE BY: D JONES 12-03-96	FTMH-1XX-XX-XX-DV-XX sheet 3 of 3	