

DO NOT
SCALE FROM
THIS PRINT

TABLE 1		
LEAD STYLE	"A"	"B"
-02	.075 [1.91]	0.075
-03	.065 [1.65]	0.055

FTMH-1XX-XX-XX-DV-XX

No OF POS PER ROW

-02 THRU -50
(SEE NOTE 10)

LEAD STYLE

-02: .075 [1.91]
(USE T-1S16-03-XX-2)
-03: .065 [1.65]
(USE T-1S16-04-XX-2)

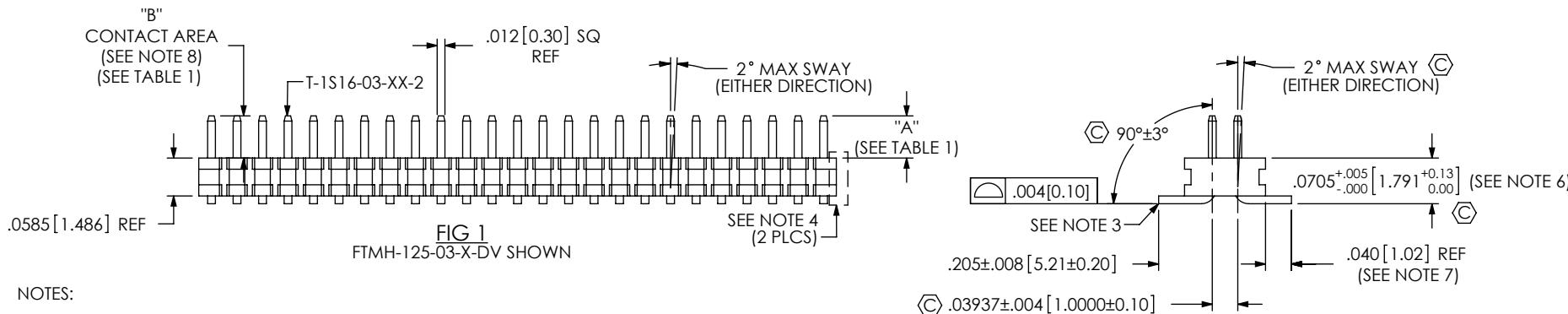
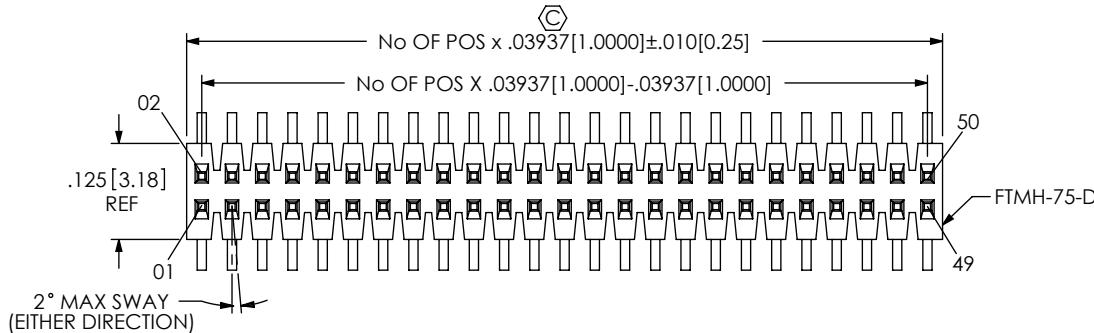
PLATING SPECIFICATION

-L: 10 μ " LIGHT SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
 -F: 3 μ " FLASH SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
 -H: 30 μ " HEAVY GOLD IN CONTACT AREA, 3 μ " FLASH GOLD ON TAIL
 -G: 10 μ " GOLD IN CONTACT AREA, 3 μ " FLASH GOLD ON TAIL
 -LM: 10 μ " LIGHT SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
 -FM: 3 μ " FLASH SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL

OPTIONS

-P: PICK & PLACE PAD (USE PPP-30)
 (USE PPP-30-NT FOR TAPE & REEL)
 (SEE FIG 3, SHT 4; 6 POS MIN)
 -TR: TAPE & REEL PACKAGING
 -ES: SNAP ON END SHROUDS
 (SEE FIG 2, SHT 2; 9 POS MIN)
 MOLD TO POSITION END SHROUDS
 (5 POS MIN; SEE FIG 2, SHT 2)
 (SAMTEC DISCRETION ON WHICH END SHROUDS
 ARE USED FOR POSITIONS -09 AND GREATER)
 -EP: GUIDE POST (SEE FIG 4, SHT 4; 9 POS MIN)
 (USE ONLY WHEN MATING WITH A CLM)
 -EC: LOCKING CLIP (SEE FIG 5, SHT 4)
 (SEE NOTE 9; 9 POS MIN)
 -A: ALIGNMENT PIN (SEE FIG 6 & 7, SHT 5)
 (SAMTEC DISCRETION ON WHICH -A PIN IS USED)
 (MOLDED: 3 POS MIN, USE FTMH-75-D-XX)
 (STAKED: 7 POS MIN, USE FTMH-60-D)

ROW SPECIFICATION

-DV: DOUBLE ROW VERTICAL
(USE FTMH-75-D)

NOTES:

1. REPRESENTS CRITICAL DIMENSION.
2. MINIMUM PUSHOUT FORCE: 1.0 LB = 16 OZ.
3. MAXIMUM BURR: .003 [0.08]
4. MAXIMUM CUT FLASH: .010 [0.25]
5. POSITIONS -02 THRU -04 TO BE LAYER PACKAGED.
6. MEASURED AT BEND RADIUS.
7. SHEAR TAILS TO DIMENSION SHOWN.
8. FOR SELECTIVE PLATING OPTIONS, GOLD PLATING TO BE ON POST, TIN PLATING TO BE ON TAIL.
9. DUE TO THE HIGH AMOUNT OF INSERTION FORCE NEEDED, THE -EC OPTION IS NOT COMPATIBLE WITH AUTO PLACEMENT. SAMTEC RECOMMENDS MANUAL PLACEMENT FOR ALL ASSEMBLIES WITH THE -EC OPTION.
10. NUMBER OF POSITIONS MAY BE AS HIGH AS -75 FOR SAMTEC MANUFACTURING ONLY.

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS	ANGLES
.XX: ±.01 [0.3]	2°
.XXX: ±.005 [0.13]	
.XXXX: ±.0020 [0.051]	

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520 PARK EAST BLVD, NEW ALBANY, IN 47150
 PHONE: 812-944-6733 FAX: 812-948-5047
 e-Mail: info@SAMTEC.com code: 55322

MATERIAL

INSULATOR:
 BLACK, LCP, UL-94-V-0
 TERMINAL:
 PHOSPHOR BRONZE

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SHEET SCALE: 5:1

DESCRIPTION: 1mm x 1mm DOUBLE VERTICAL SMT TERMINAL STRIP

DWG. NO.

FTMH-1XX-XX-XX-DV-XX

BY: PURVIS 04/22/96

SHEET 1 OF 5

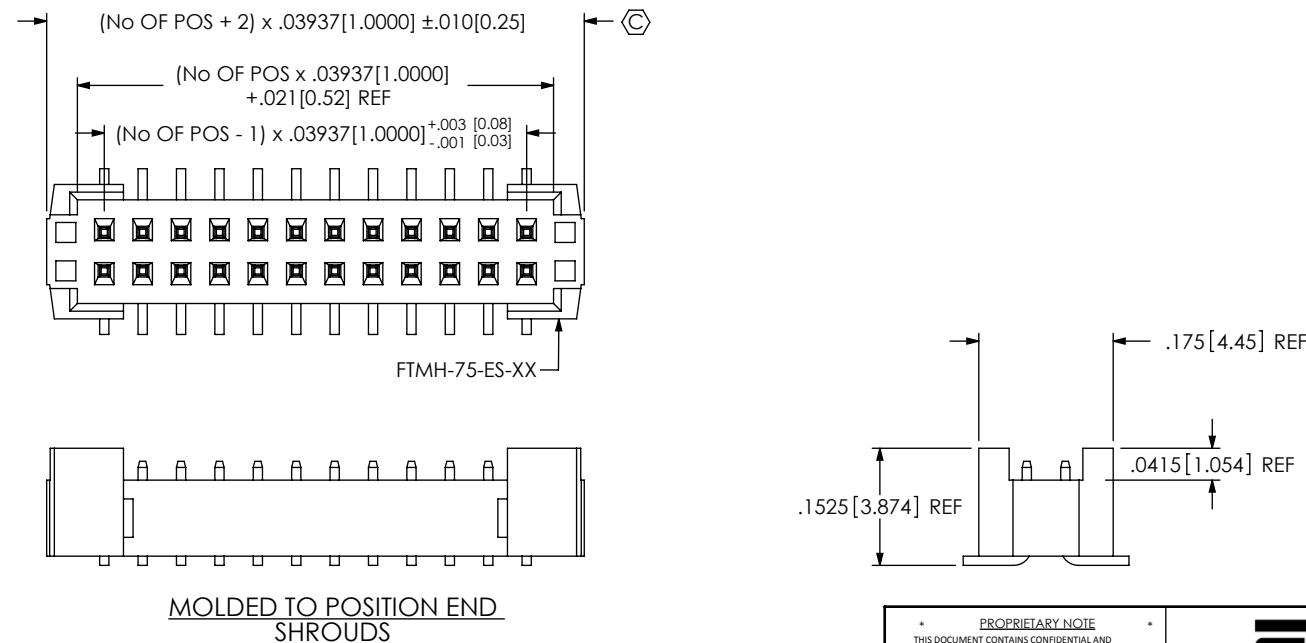
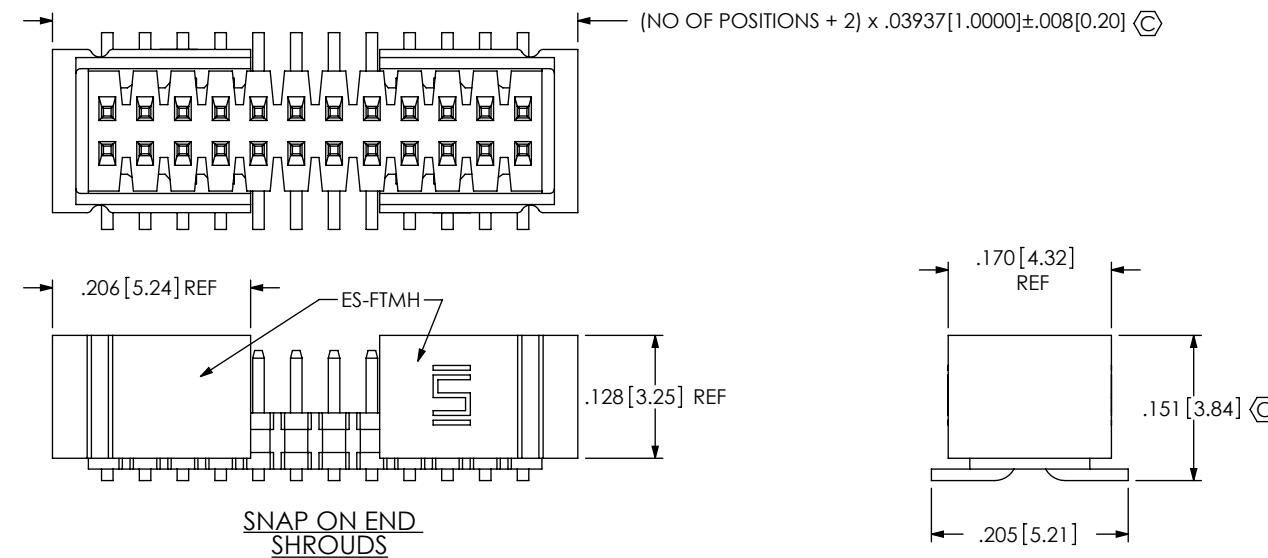


FIG 2
-ES: END SHROUDS
FTMH-112-02-X-DV-ES SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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SHEET SCALE: 5:1

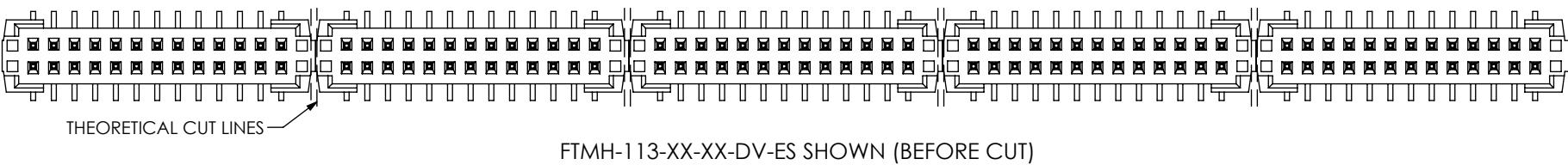
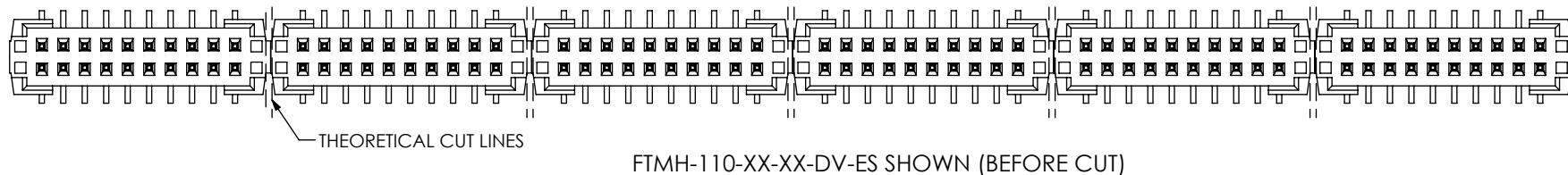
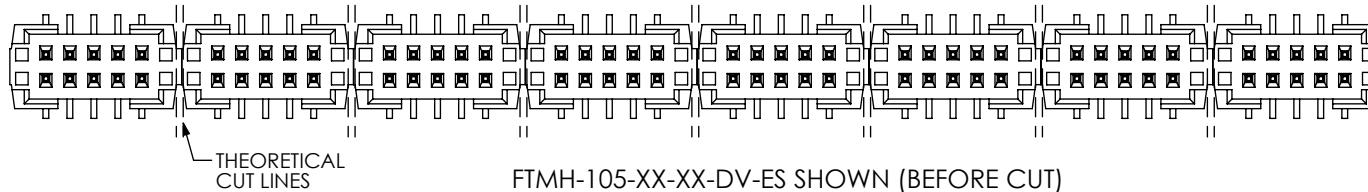
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DESCRIPTION:
1mm x 1mm DOUBLE VERTICAL SMT TERMINAL STRIP

DWG. NO.
FTMH-1XX-XX-XX-DV-XX

BY: PURVIS 04/22/96 SHEET 2 OF 5



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DESCRIPTION:
1mm x 1mm DOUBLE VERTICAL SMT TERMINAL STRIP

DWG. NO.

FTMH-1XX-XX-XX-DV-XX

BY: PURVIS 04/22/96 SHEET 3 OF 5

NOTE
 "M" = USED MEASURED DIMENSION (REF)
 "P" = $(|M| - .200[5.08]) / 2 \pm .020[.51]$

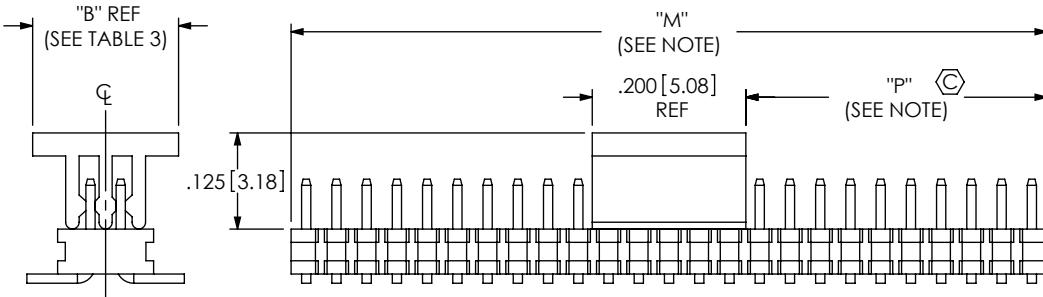


FIG 3
 -P: PICK & PLACE PAD
 FTMH-125-03-X-DV-P SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

TABLE 3	
PAD	"B"
PPP-30	.125[3.18]
PPP-30-NT	.190[4.83]

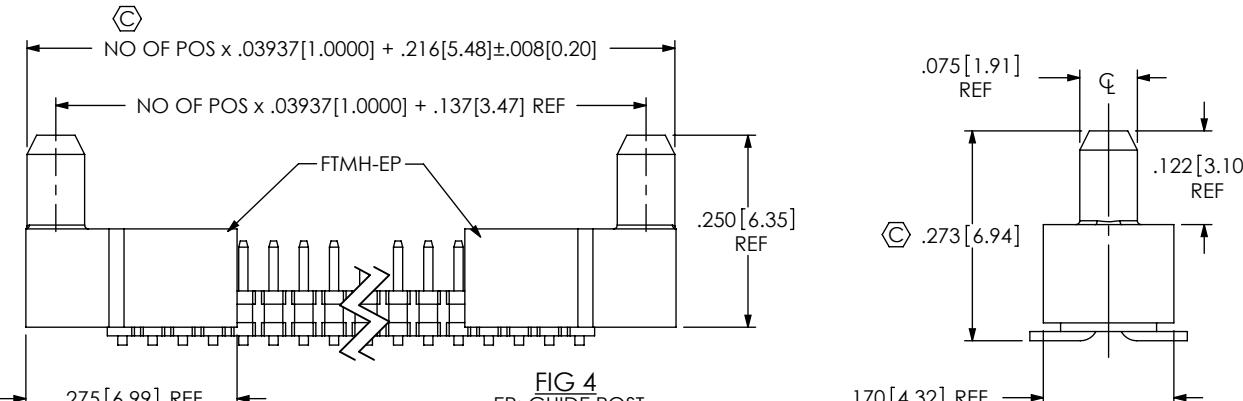


FIG 4
 -EP: GUIDE POST
 FTMH-125-03-X-DV-EP SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

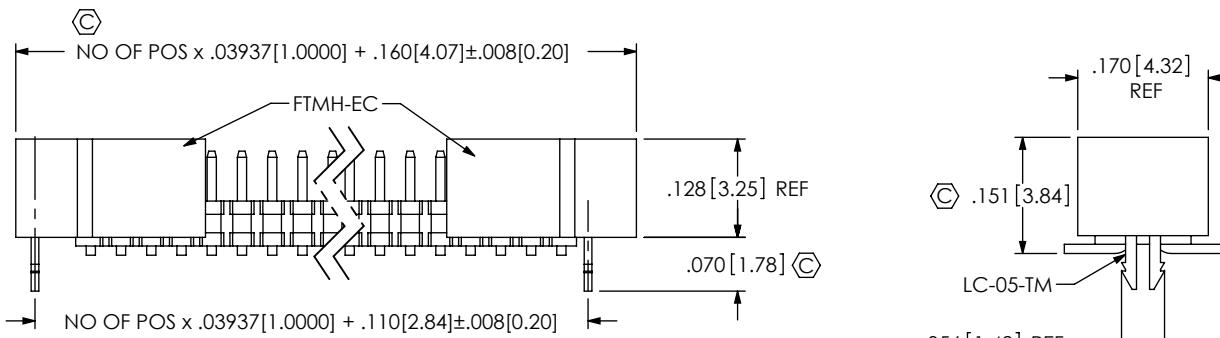


FIG 5
 -EC: LOCKING CLIP
 FTMH-125-03-X-DV-EC SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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DESCRIPTION: 1mm x 1mm DOUBLE VERTICAL SMT TERMINAL STRIP

DWG. NO. FTMH-1XX-XX-XX-DV-XX

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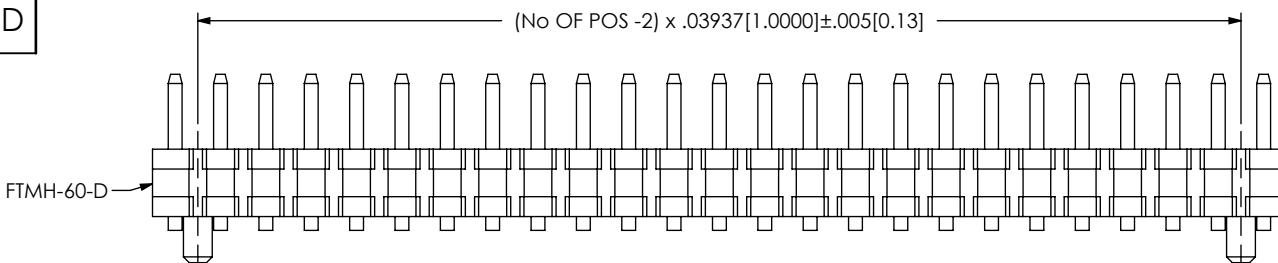


FIG 6
 -A: ALIGNMENT PIN (STAKED)
 (MIN 7 POSITIONS)
 FTMH-125-03-X-DV-A SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

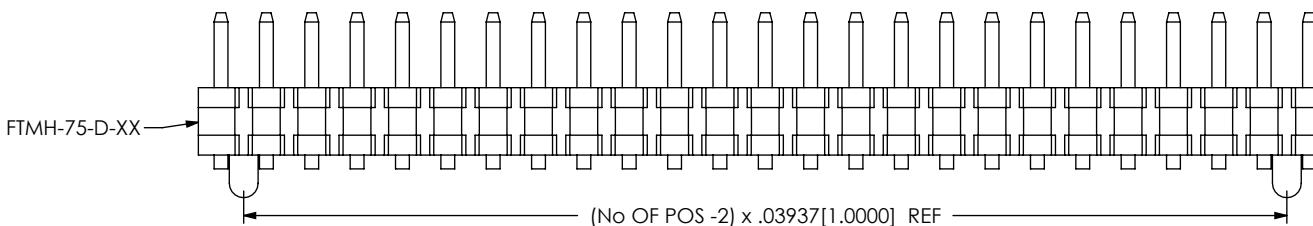
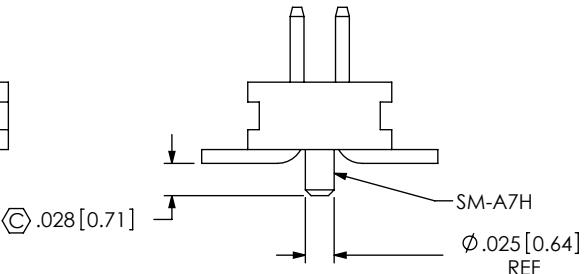
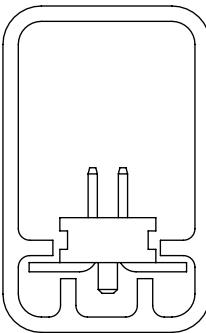
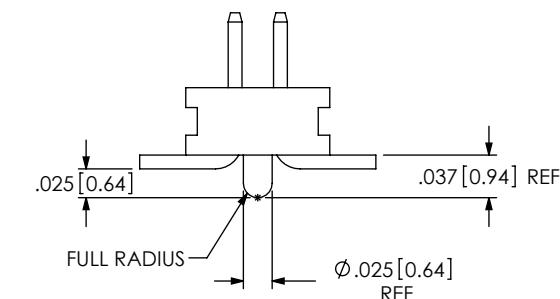
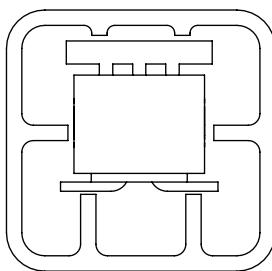


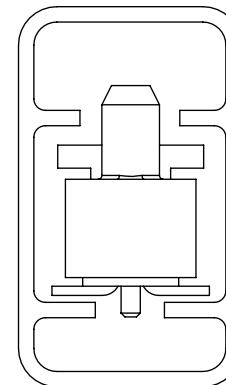
FIG 7
 -A: ALIGNMENT PIN (MOLDED)
 (MIN 3 POSITIONS)
 FTMH-125-03-X-DV-A SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



-A OPTION
 PT-1-24-01-60



-ES-P OPTION
 PT-1-24-01-63



-EP-A-P OPTION
 PT-1-24-02-15

PACKAGING VIEWS

TABLE 2 (SEE NOTE 5 FOR PACKAGING NOTES)			
LEAD STYLE	OPTION (S)	PACKAGING TUBE	TUBE PLUG
-02, -03	-NONE	PT-1-24-01-60	TP-03 (x 2)
-02, -03	-A	PT-1-24-01-60	TP-03 (x 2)
-02, -03	-P, -A-P	PT-1-24-01-60	TP-03 (x 2)
-02, -03	-ES, -ES-P, -ES-A, EP	PT-1-24-01-63	TP-24 (x 2)
-02, -03	-EC, -EC-P, -EC-A	PT-1-24-01-60	TP-03 (x 2)
-02, -03	-EP-A, -EP-A-P	PT-1-24-02-15	TP-03 (x 2)

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