

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: 10μ" LIGHT SELECTIVE GOLD IN
CONTACT AREA, MATTE TIN ON TAIL

-F: 3μ" FLASH SELECTIVE GOLD IN
CONTACT AREA, MATTE TIN ON TAIL

-H: 30μ" HEAVY GOLD IN CONTACT
AREA, 3μ" FLASH GOLD ON TAIL

-G: 10μ" GOLD IN CONTACT AREA,
3μ" FLASH GOLD ON TAIL

-LM: 10μ" LIGHT SELECTIVE GOLD IN
CONTACT AREA, MATTE TIN ON TAIL

-FM: 3μ" 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)

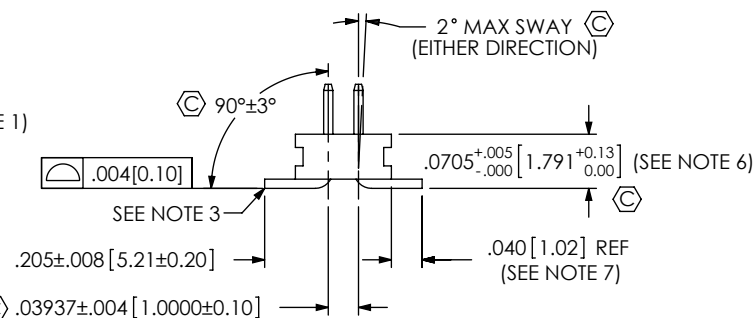
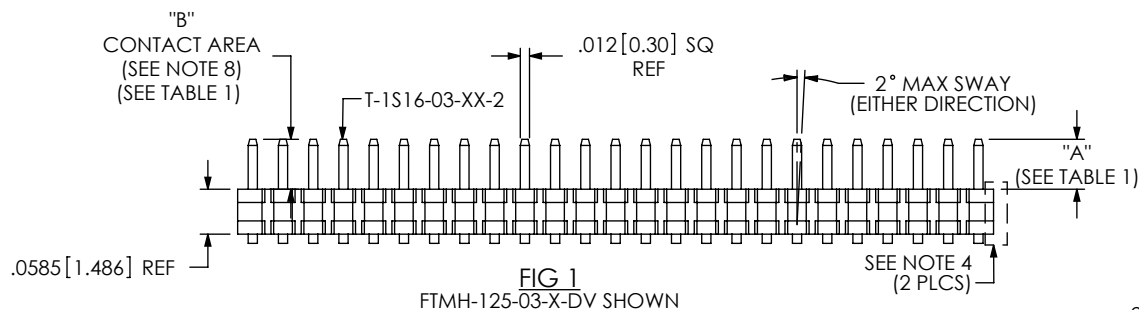
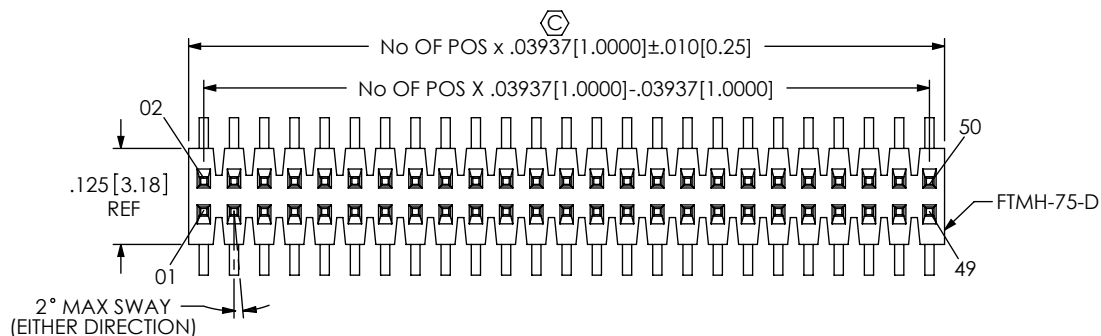
-EP: GUIDE POST (SEE FIG 4, SHT 4; 9 POS MIN)
(USE ONLY WHEN MATING WITH A CLM)

-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:

-  REPRESENTS CRITICAL DIMENSION.
- MINIMUM PUSHOUT FORCE: 1.0 LB = 16 OZ.
- MAXIMUM BURR: .003 [0.08]
- MAXIMUM CUT FLASH: .010 [0.25]
- POSITIONS -02 THRU -04 TO BE LAYER PACKAGED.
- MEASURED AT BEND RADIUS.
- SHEAR TAILS TO DIMENSION SHOWN.
- FOR SELECTIVE PLATING OPTIONS, GOLD PLATING TO BE ON POST, TIN PLATING TO BE ON TAIL.
- 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.
- 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]
.XXX: ±.005 [0.13]
.XXXX: ±.0020 [0.051]

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samtec

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

MATERIAL

DO NOT SCALE DRAWING

SHEET SCALE: 5:1

DESCRIPTION:

1mm x 1mm DOUBLE VERTICAL SMT TERMINAL STRIP

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

DWG. NO.

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

BY: PURVIS 04/22/96

SHEET 1 OF 5

F:\DWG\MISC\MKTG\FTMH-1XX-XX-XX-DV-XX-MKT.SLDDRW

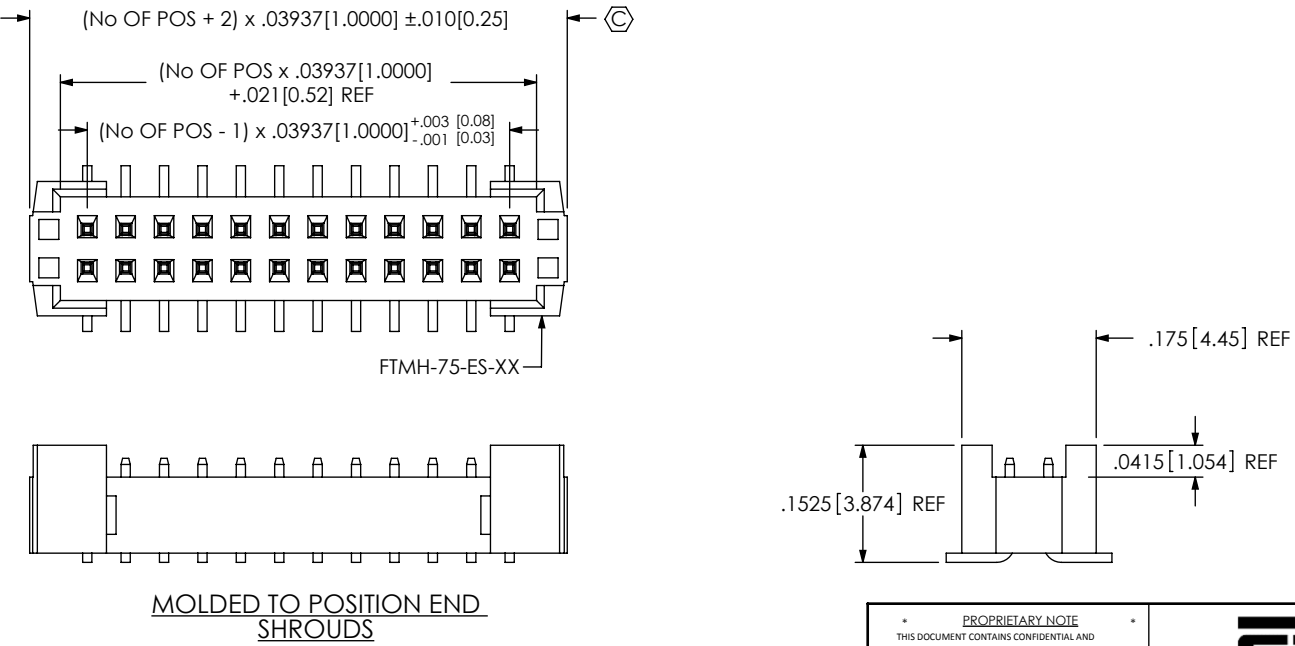
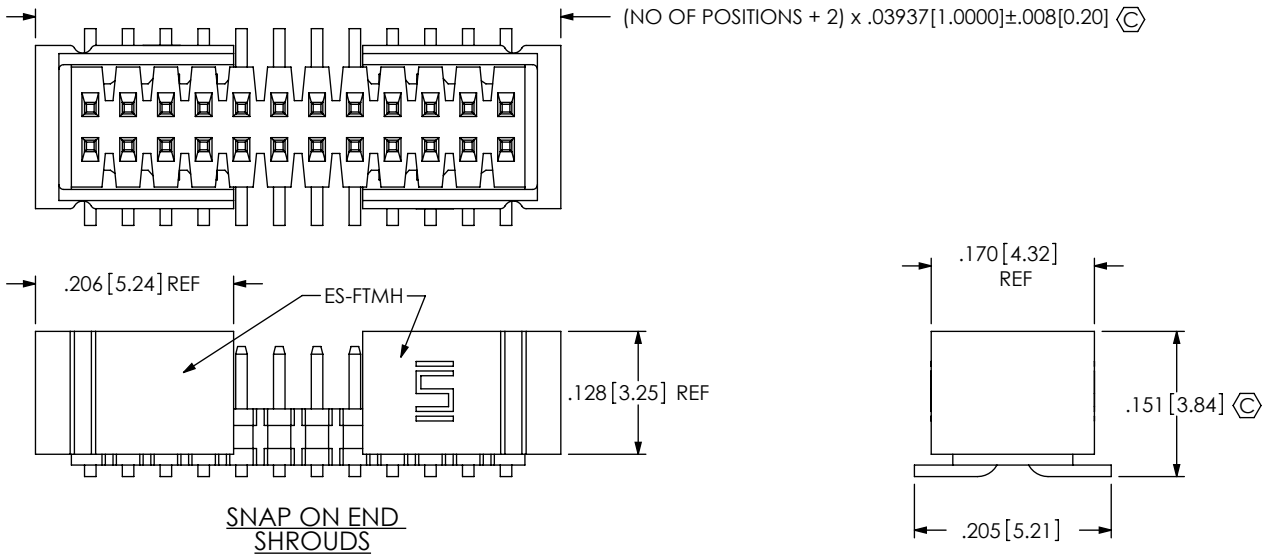
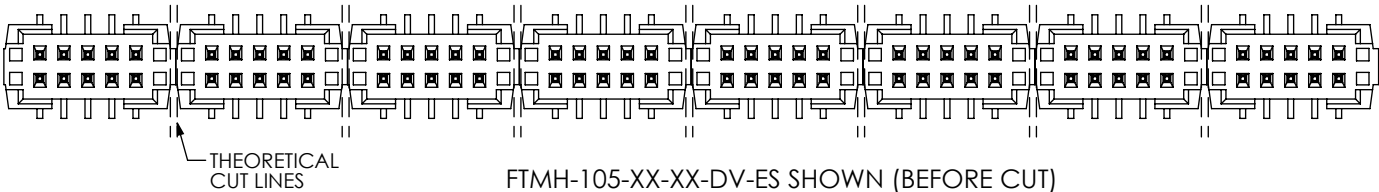
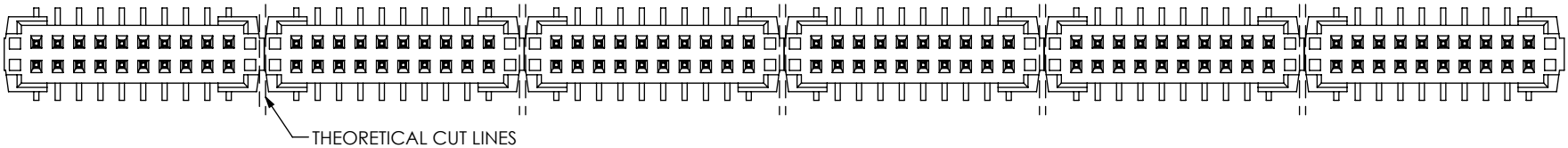


FIG 2
-ES: END SHROUDS
FTMH-112-02-X-DV-ES SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

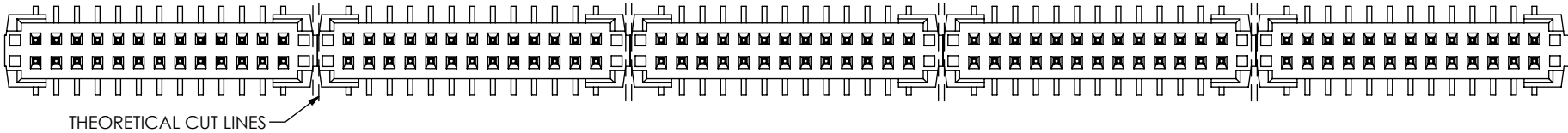
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	DESCRIPTION: 1mm x 1mm DOUBLE VERTICAL SMT TERMINAL STRIP	
	DWG. NO. FTMH-1XX-XX-XX-DV-XX	
	BY: PURVIS	04/22/96



FTMH-105-XX-XX-DV-ES SHOWN (BEFORE CUT)



FTMH-110-XX-XX-DV-ES SHOWN (BEFORE CUT)



FTMH-113-XX-XX-DV-ES SHOWN (BEFORE CUT)

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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

REVISION BD

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

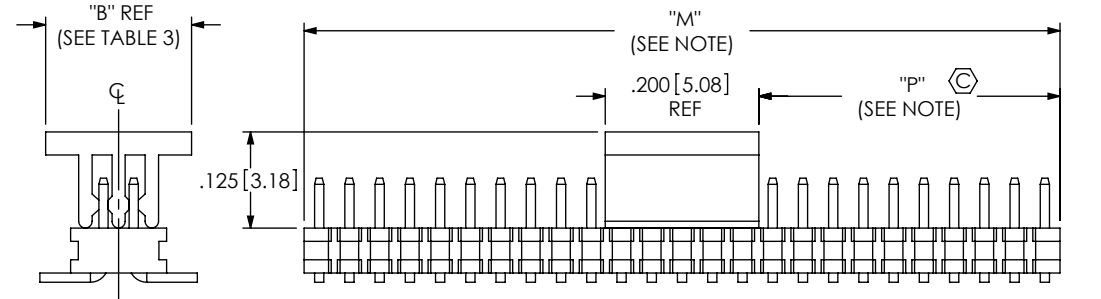


FIG 3
-P: PICK & PLACE PAD
FTMH-125-03-X-DV-P SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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

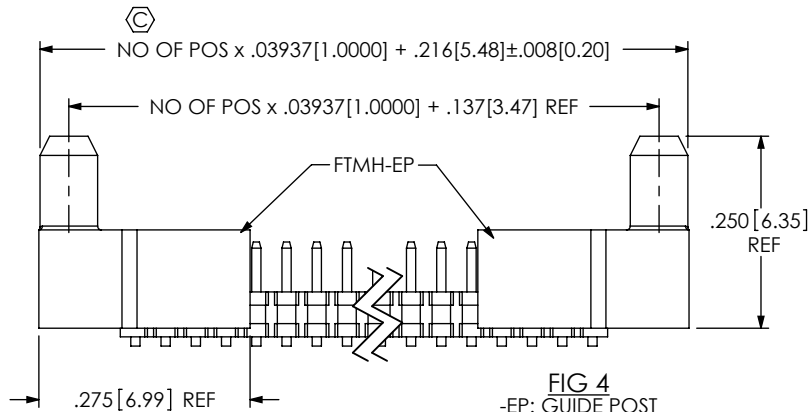


FIG 4
-EP: GUIDE POST
FTMH-125-03-X-DV-EP SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

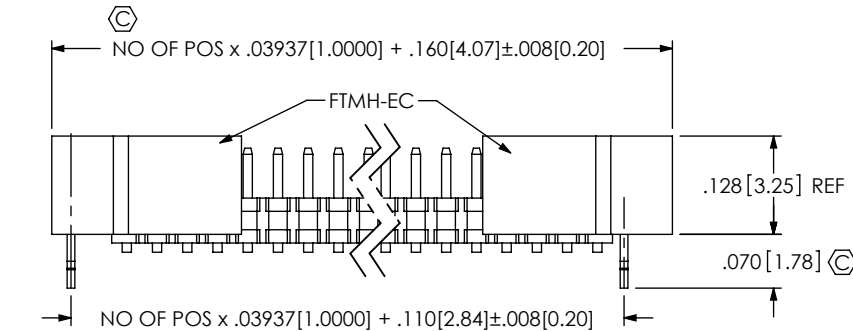
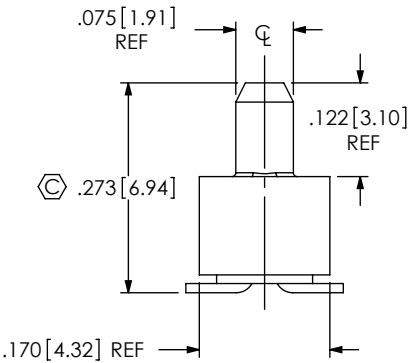
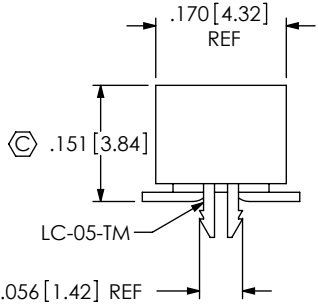


FIG 5
-EC: LOCKING CLIP
FTMH-125-03-X-DV-EC SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



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

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

BY: PURVIS 04/22/96 SHEET 4 OF 5

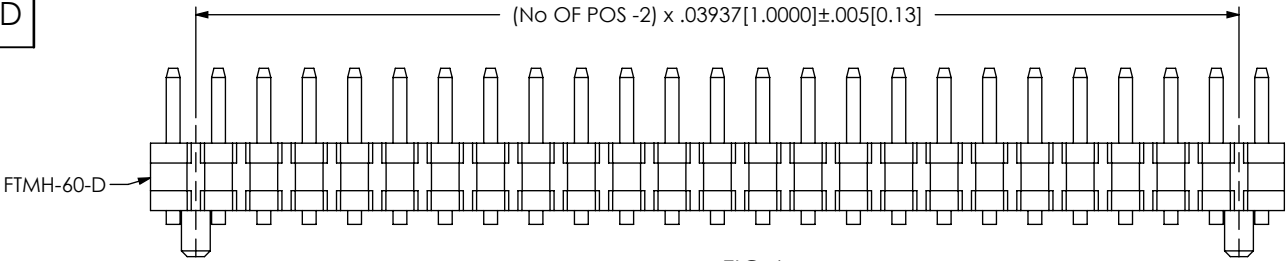


FIG 6
-A: ALIGNMENT PIN (STAKED)
(MIN 7 POSITIONS)
FTMH-125-03-X-DV-A SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

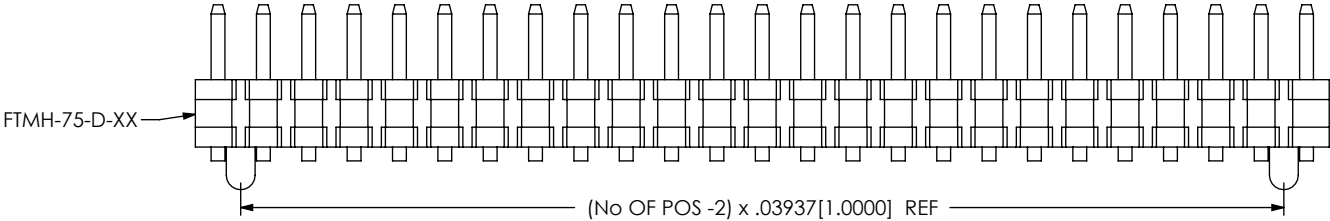
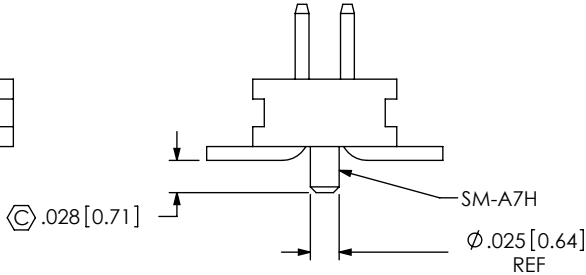
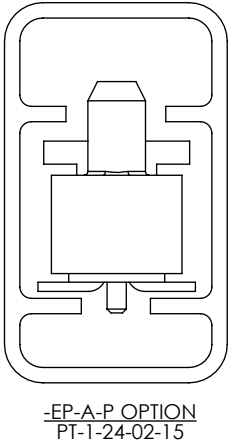
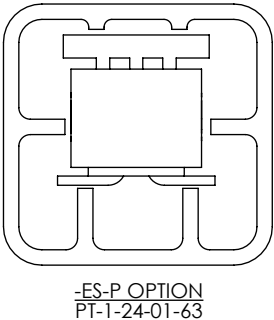
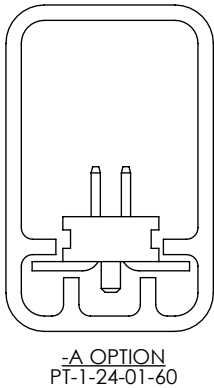
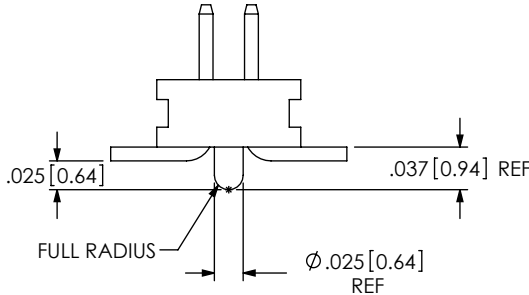


FIG 7
-A: ALIGNMENT PIN (MOLDED)
(MIN 3 POSITIONS)
FTMH-125-03-X-DV-A SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



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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