

TABLE 4	
POSITIONS	COPLANARITY
02 THRU 29	.004[0.10]
30 THRU 50	.006[0.15]

DO NOT SCALE FROM THIS PRINT

TABLE 1				
LEAD STYLE	"A"	"B"	AUTOMATED BKT	HAND FILL
-02	.075 [1.91] \odot	.075[1.91]	T-1S16-03-XX-2	T-1S16-01-XX-2
-03	.065 [1.65] \odot	.055[1.40]	T-1S16-04-XX-2	T-1S16-01-XX-2

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

PACKAGING (SEE NOTE 5)
BLANK: TUBES (SEE NOTE 11)
-TR: TAPE & REEL (SEE NOTES 12 & 13)
-FR: FULL REEL QTY TAPE & REEL (SEE NOTES 12 & 13)

PICK & PLACE OPTION

-P: PICK & PLACE PAD (USE PPP-30)
(USE PPP-30-NT FOR TAPE & REEL)
(SEE FIG 3, SHT 4; 6 POS MIN)

OPTIONS

-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)

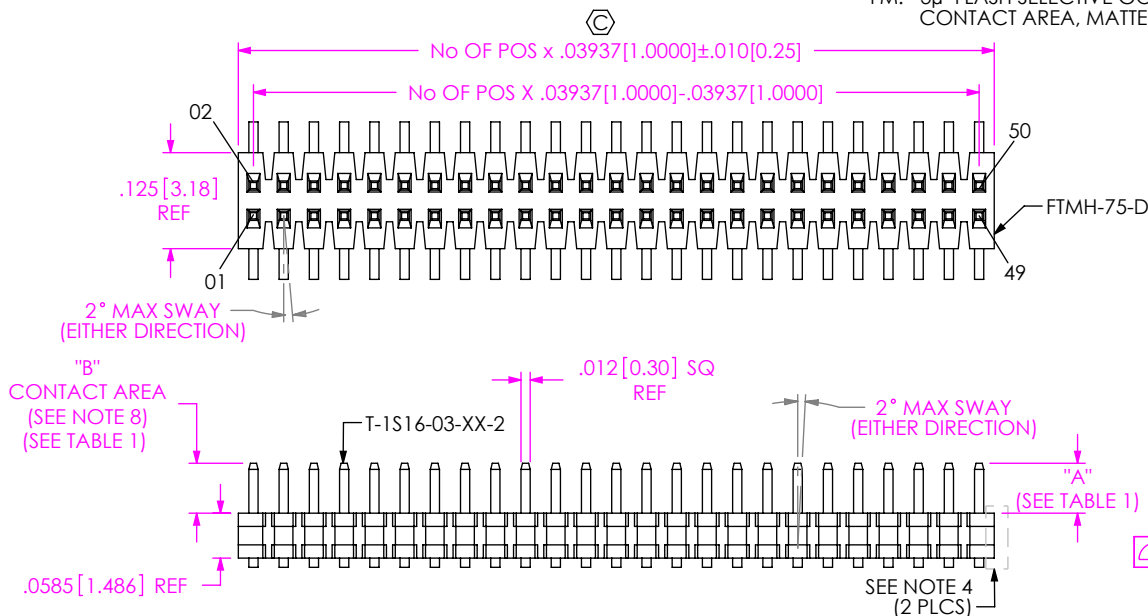
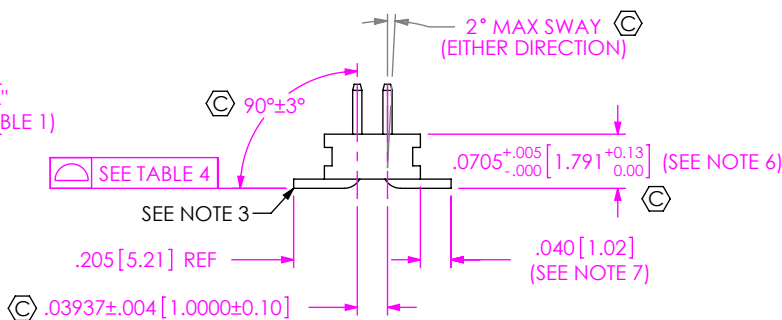


FIG 1
FTMH-125-03-X-DV SHOWN



NOTES:

- \odot 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.
- TUBES ARE STANDARD PACKAGING.
- ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
- ATTACH LABEL TO EACH REEL.
- ES MOLDED OPTION ONLY, DURING CUT PROCESS, WALL MUST BE A MINIMUM OF .004" OR COMPLETELY REMOVED.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

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TOLERANCES ARE:

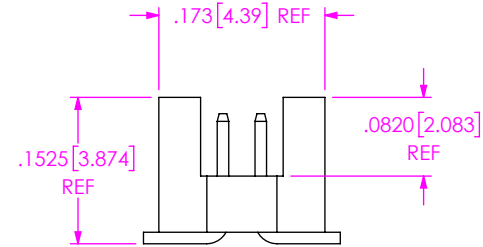
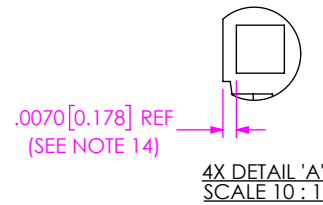
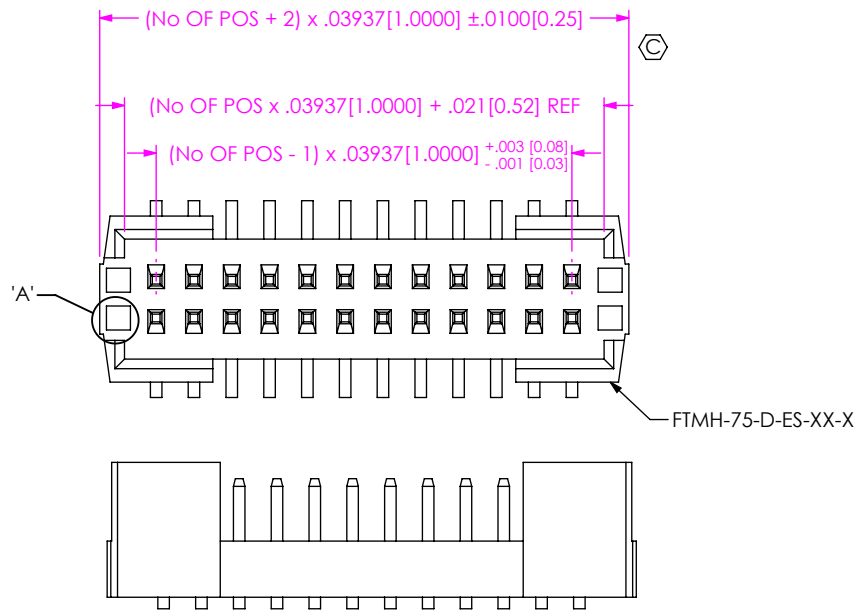
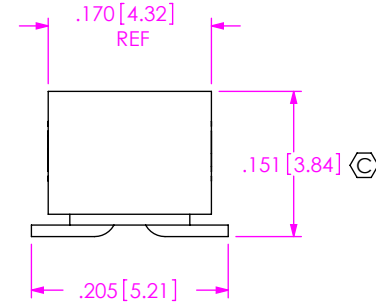
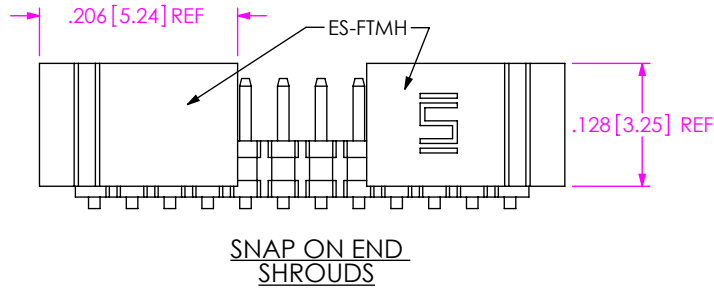
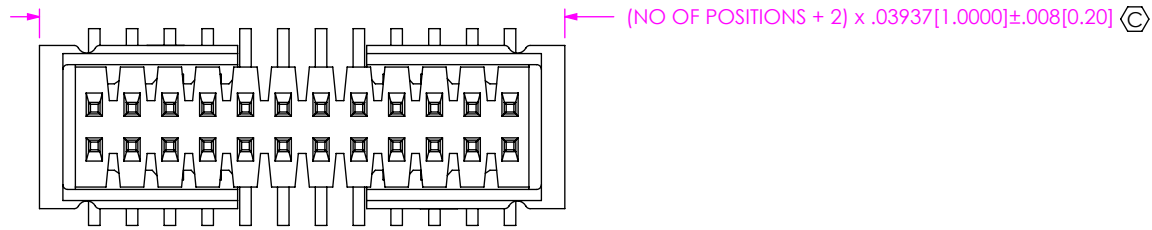
DECIMALS ANGLES
.XX: ±.01 [0.3]
.XXX: ±.005 [0.13]
.XXXX: ±.0020 [0.051]

MATERIAL DO NOT SCALE DRAWING SHEET SCALE: 5:1
INSULATOR: BLACK, LCP, UL-94-V-0
TERMINAL: PHOSPHOR BRONZE

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

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

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MOLDED TO POSITION END SHROUDS

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

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SHEET SCALE: 5:1

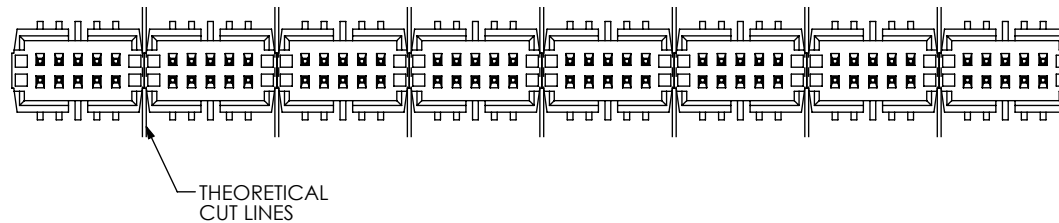


520 PARK EAST BLVD, NEW ALBANY, IN 47150
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e-Mail: info@SAMTEC.com code: 55322

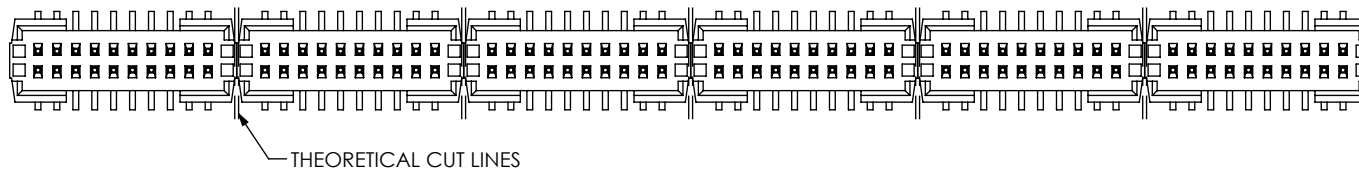
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DWG. NO.
FTMH-1XX-XX-XX-DV-XX-X-XX

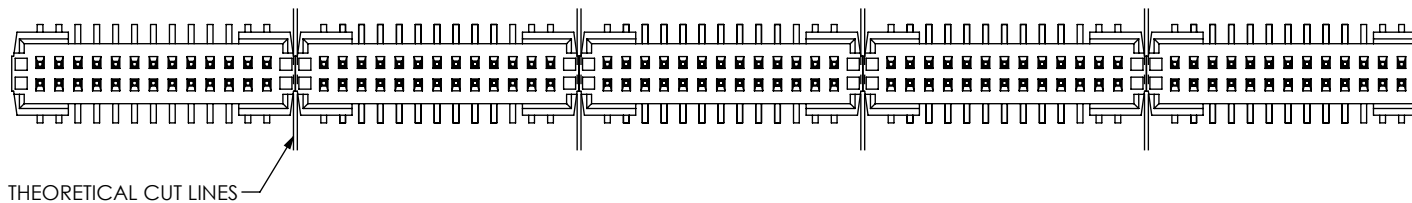
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FTMH-105-XX-XX-DV-ES SHOWN (BEFORE CUT)



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



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

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DESCRIPTION:
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DWG. NO.
FTMH-1XX-XX-XX-DV-XX-X-XX

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REVISION BQ

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

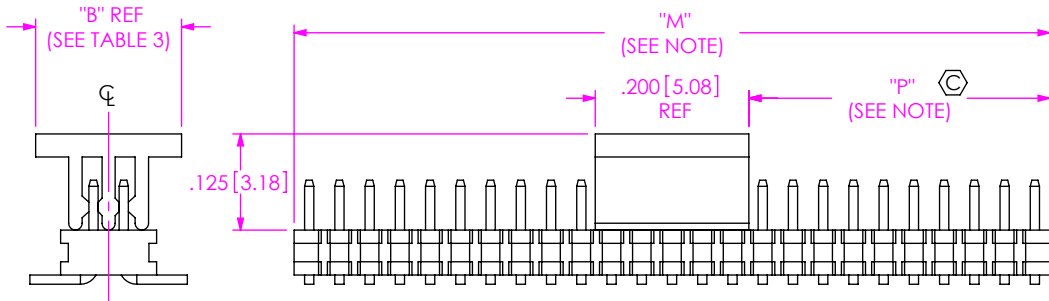


FIG 3
 -P: PICK & PLACE PAD
 FTMH-125-03-X-DV-P SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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

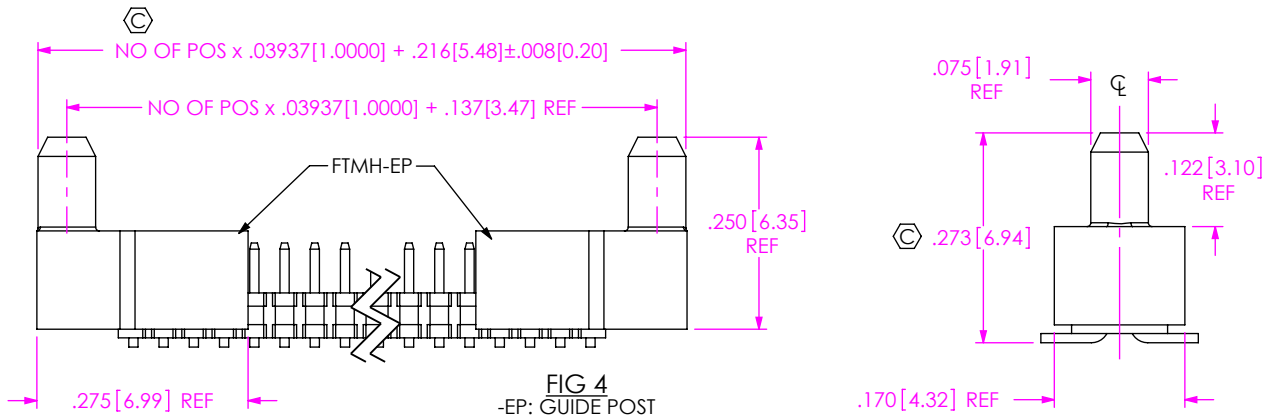


FIG 4
 -EP: GUIDE POST
 FTMH-125-03-X-DV-EP SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

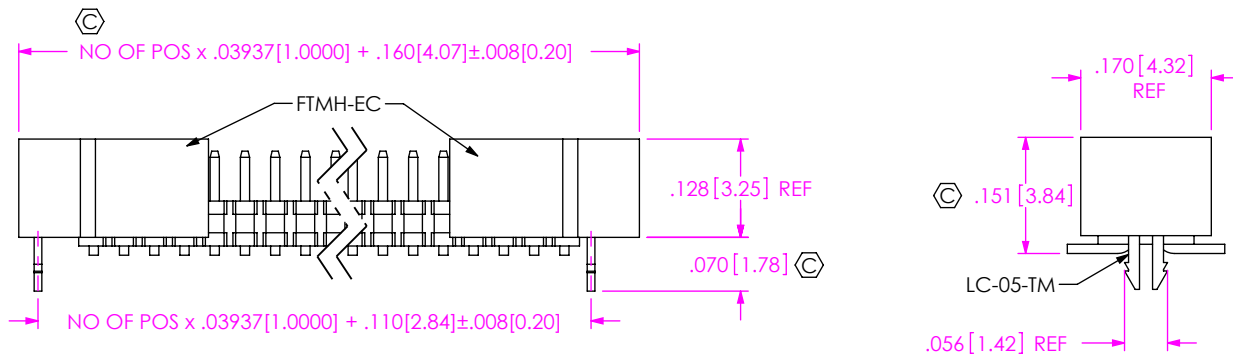


FIG 5
 -EC: LOCKING CLIP
 FTMH-125-03-X-DV-EC SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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

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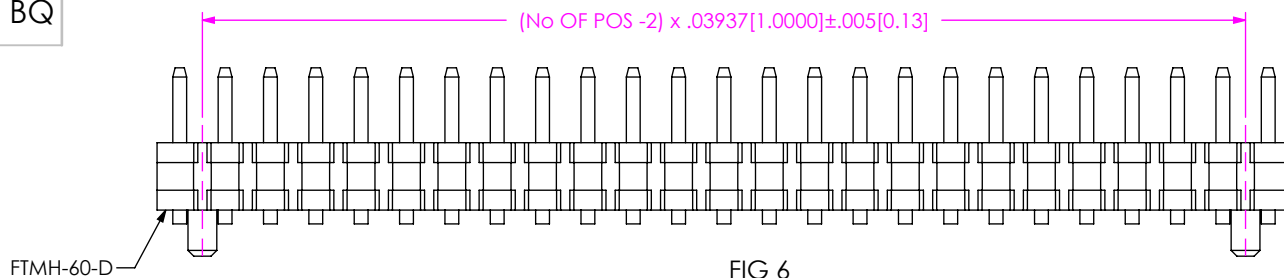


FIG 6
 -A: ALIGNMENT PIN (STAKED)
 (MIN 7 POSITIONS)
 FTMH-125-03-X-DV-A SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

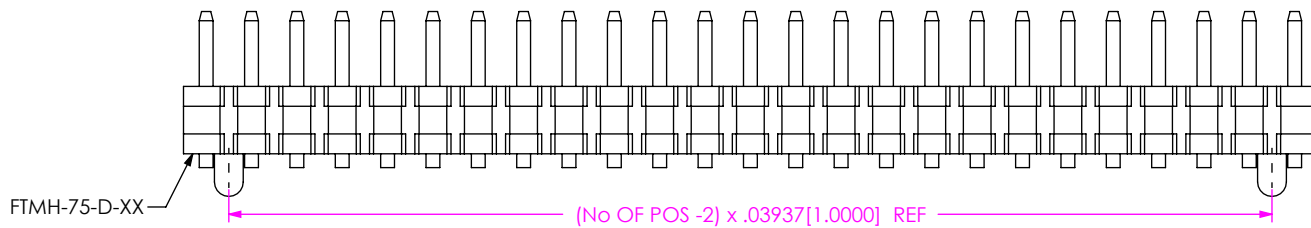
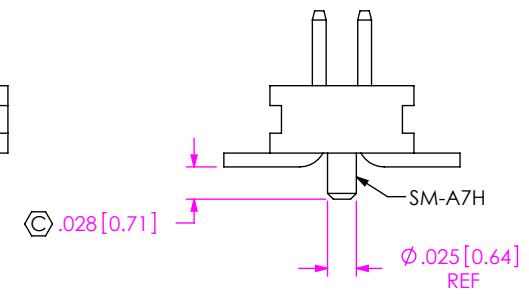
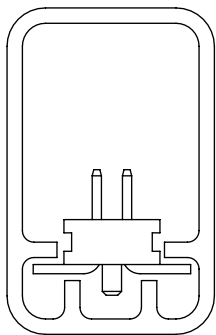
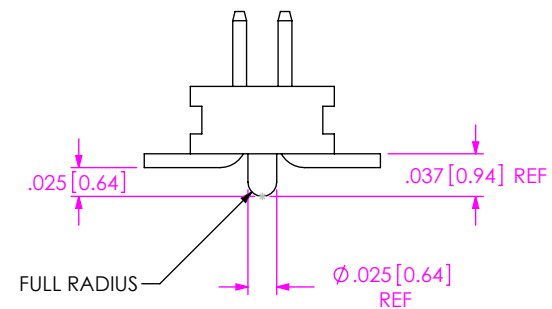
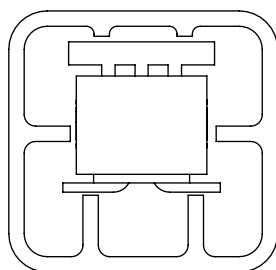


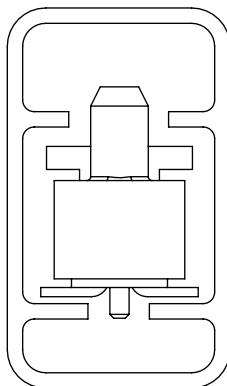
FIG 7
 -A: ALIGNMENT PIN (MOLDED)
 (MIN 3 POSITIONS)
 FTMH-125-03-X-DV-A SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



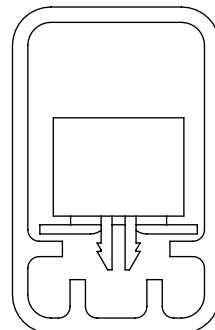
-A OPTION
 PT-1-24-01-60



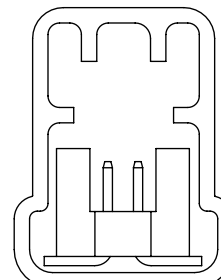
-ES-P OPTION
 PT-1-24-01-63



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



-EC OPTION
 PT-1-24-01-60



-ES & -ES-A OPTION
 PT-1-24-13-09

F:\DWG\SW\Exisprod\Assembly\1mm\FTMH-1XX-XX-XX-DV-XX-X-XX.SLDDRW

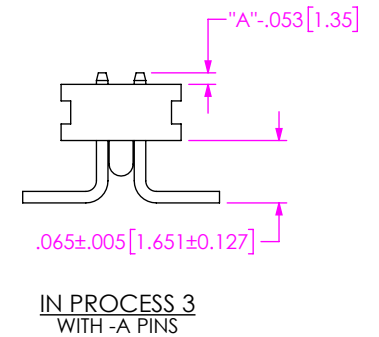
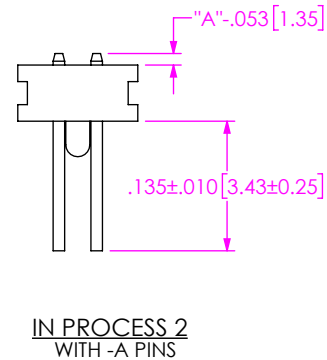
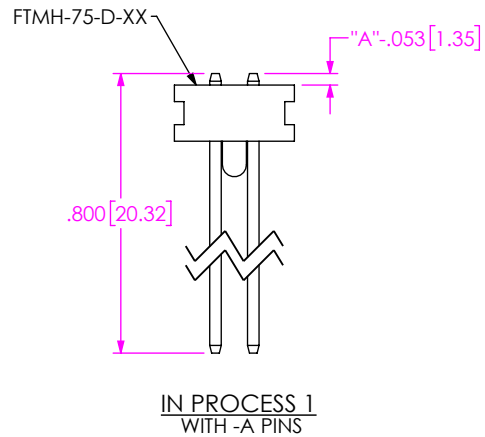
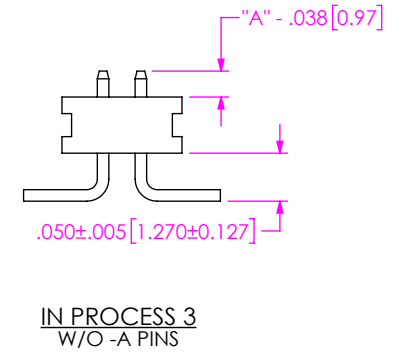
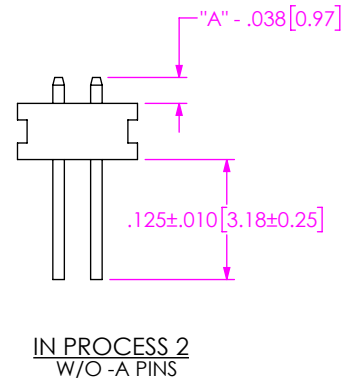
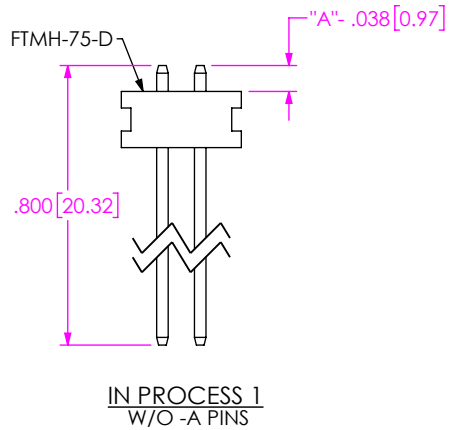
PACKAGING VIEWS

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-P	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, -EP-A, -EP-A-P	PT-1-24-02-15	TP-03 (x 2)
-02, -03	-ES, -ES-A	PT-1-24-13-09	TP-24 (x 2)

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FTMH-1XX-XX-XX-DV-XX-X-XX
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 1mm x 1mm DOUBLE VERTICAL SMT TERMINAL STRIP

DWG. NO.
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