

| TABLE 1 | | |
|------------|--------------------------------------|-------|
| LEAD STYLE | "A" | "B" |
| -02 | .075 [1.91] $\text{\textcircled{C}}$ | 0.075 |
| -03 | .065 [1.65] $\text{\textcircled{C}}$ | 0.055 |

No OF POS PER ROW
-02 THRU -50
(SEE NOTE 10)

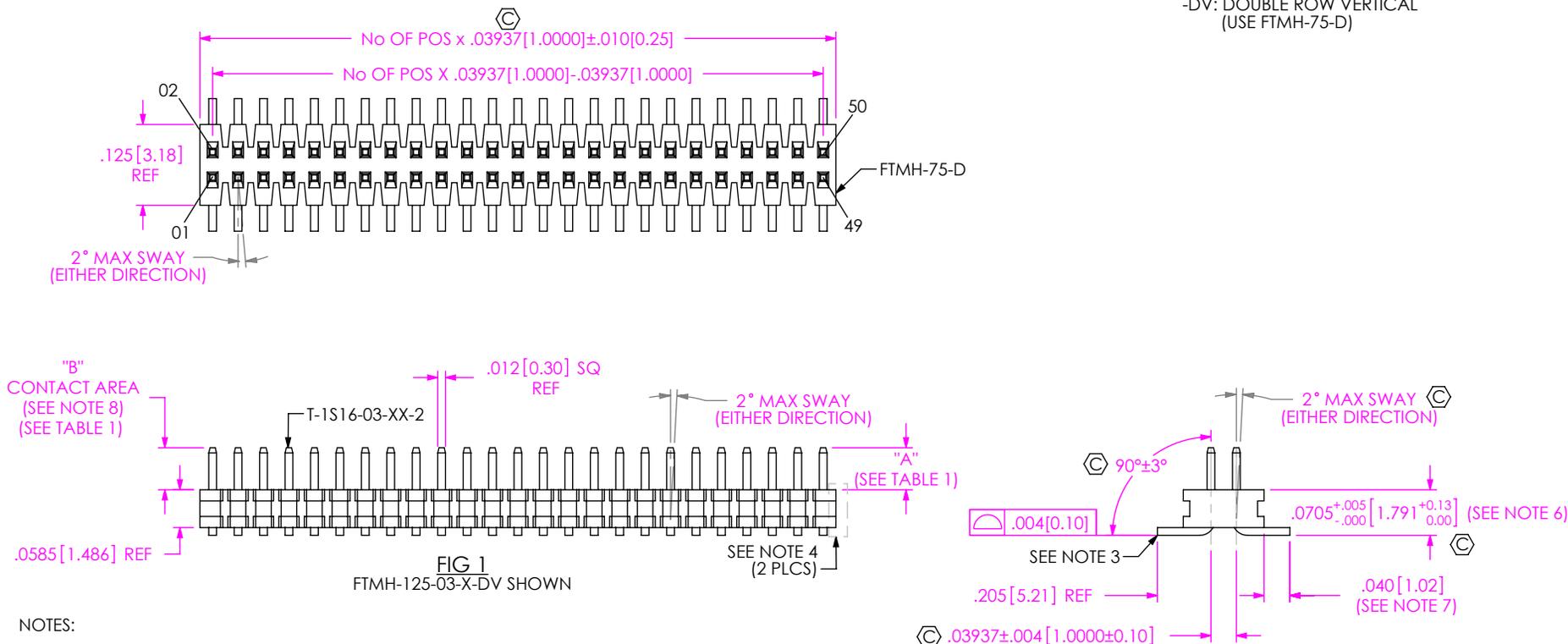
LEAD STYLE
-02: .075 [1.91]
(USE T-1S16-03-XX-2)
-03: .065 [1.65]
(USE T-1S16-04-XX-2)

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)

DO NOT SCALE FROM THIS PRINT



NOTES:

- $\text{\textcircled{C}}$ 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: $\pm .01$ [0.3]
.XXX: $\pm .005$ [0.13]
.XXXX: $\pm .0020$ [0.051]

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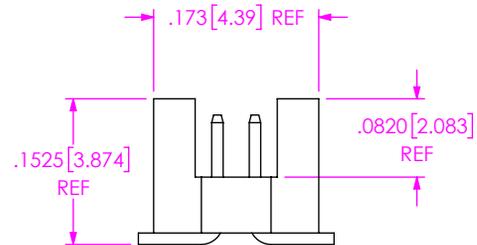
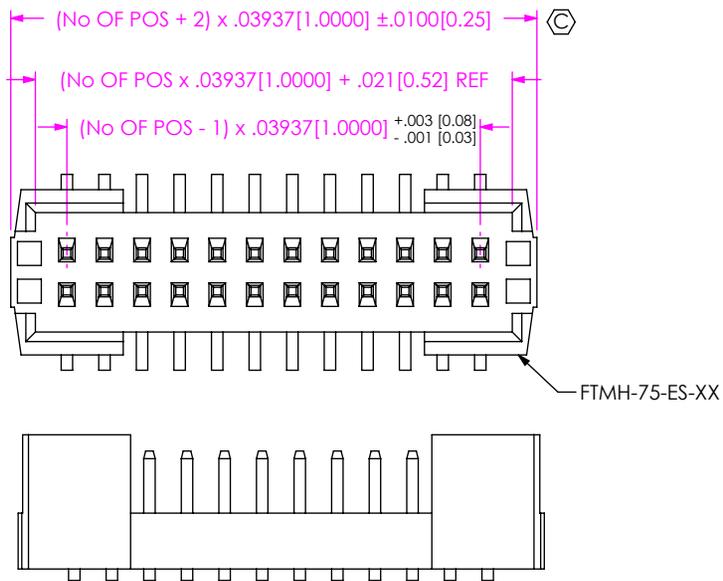
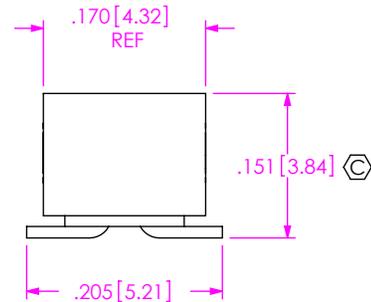
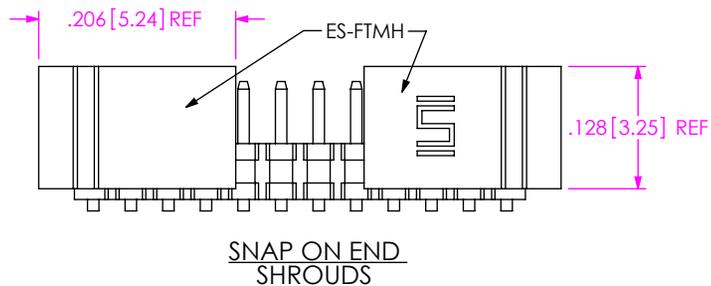
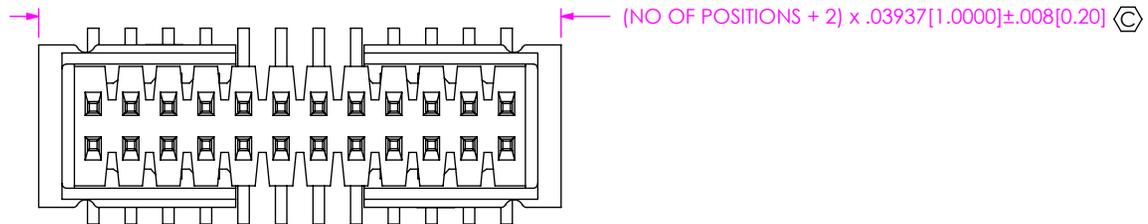
MATERIAL DO NOT SCALE DRAWING SHEET SCALE: 5:1

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

BY: PURVIS 04/22/96 SHEET 1 OF 6



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)

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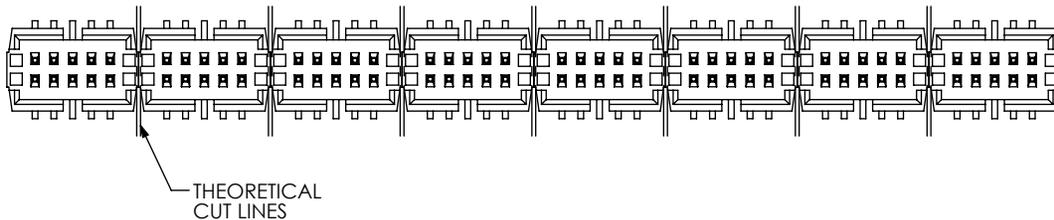


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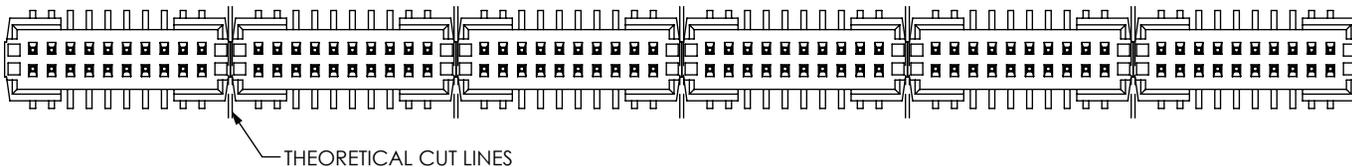
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DWG. NO. **FTMH-1XX-XX-XX-DV-XX**

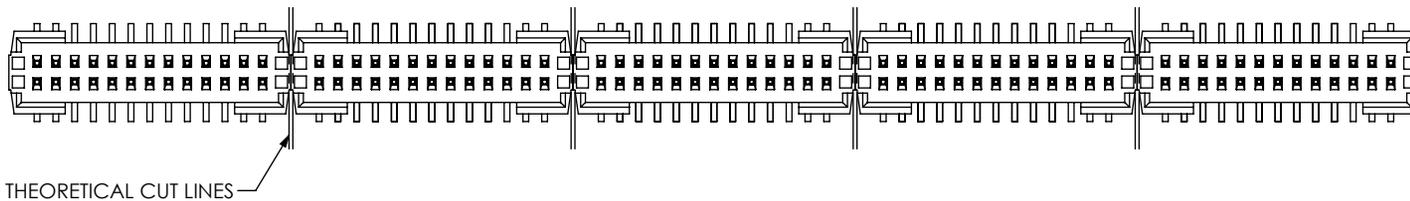
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FTMH-105-XX-XX-DV-ES SHOWN (BEFORE CUT)



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



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

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

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

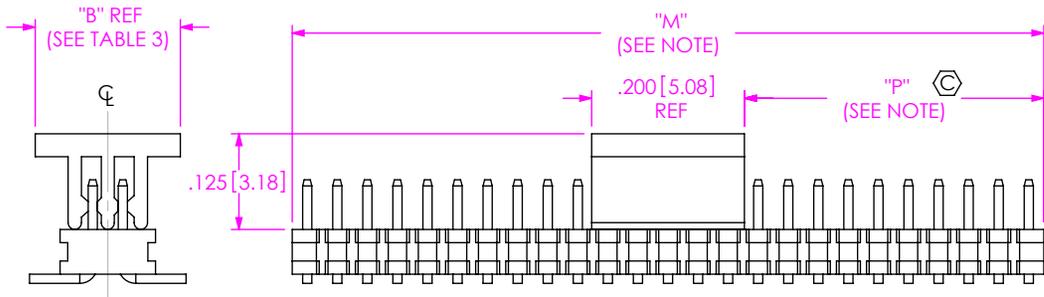


FIG 3
 -P: PICK & PLACE PAD
 FTMH-125-03-X-DV-P SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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

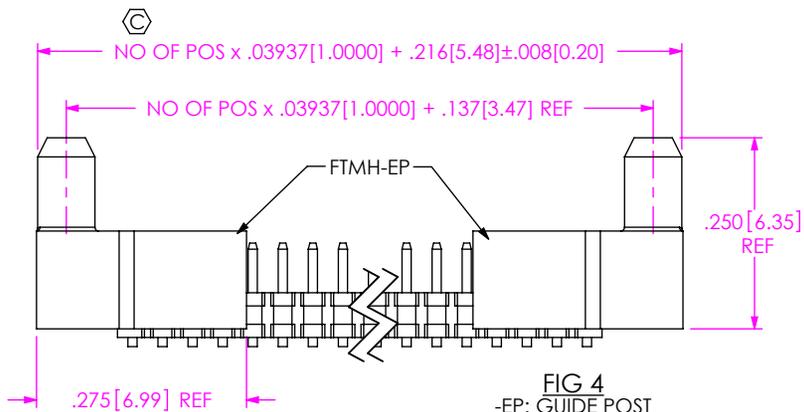


FIG 4
 -EP: GUIDE POST
 FTMH-125-03-X-DV-EP SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

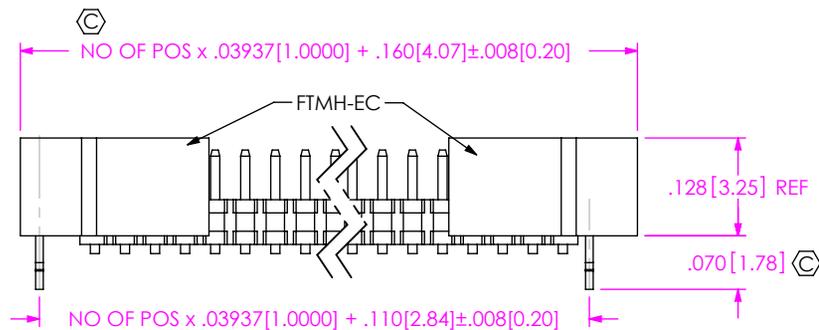
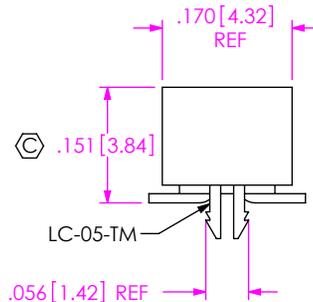
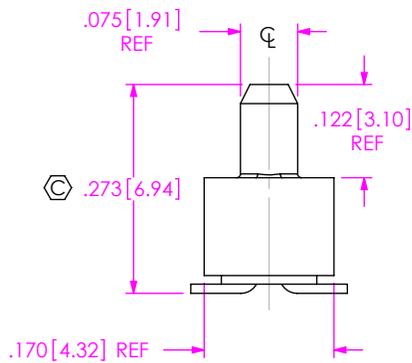


FIG 5
 -EC: LOCKING CLIP
 FTMH-125-03-X-DV-EC SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



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

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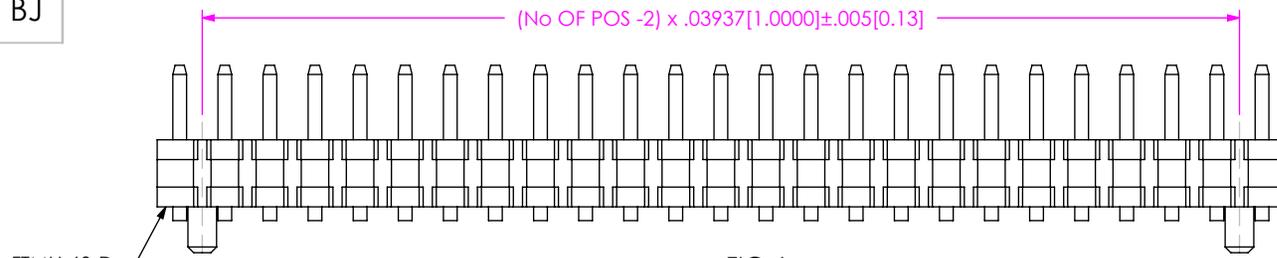


FIG 6
 -A: ALIGNMENT PIN (STAKED)
 (MIN 7 POSITIONS)
 FTMH-125-03-X-DV-A SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

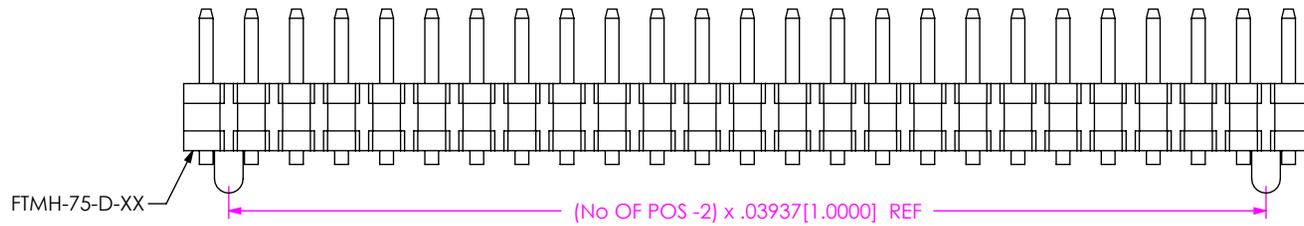
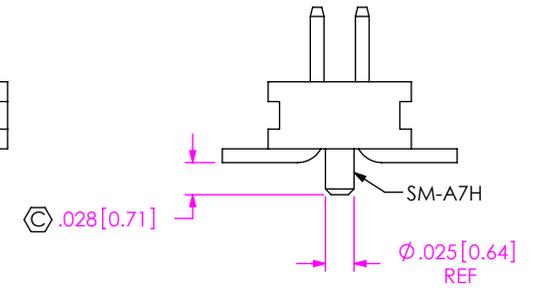
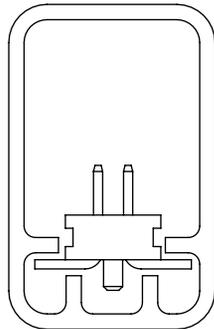
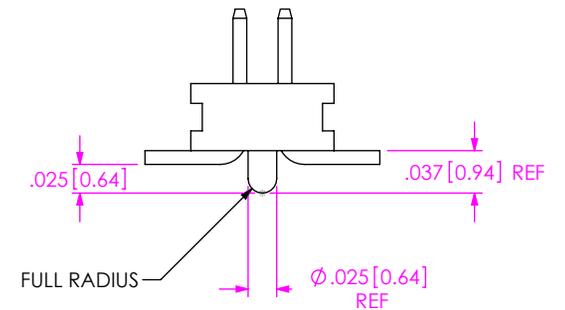
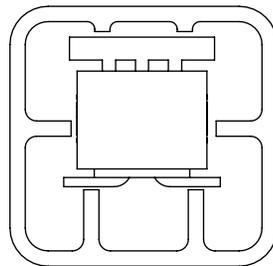


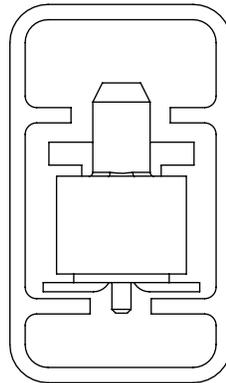
FIG 7
 -A: ALIGNMENT PIN (MOLDED)
 (MIN 3 POSITIONS)
 FTMH-125-03-X-DV-A SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



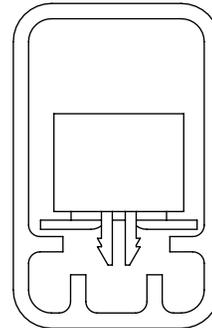
-A OPTION
 PT-1-24-01-60



-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

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 | 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) |

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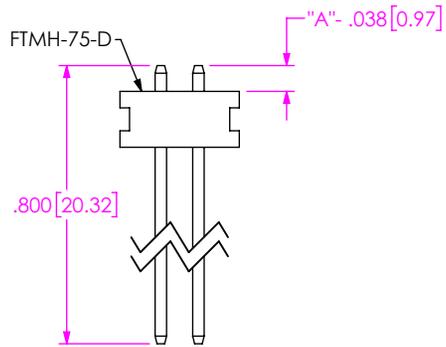


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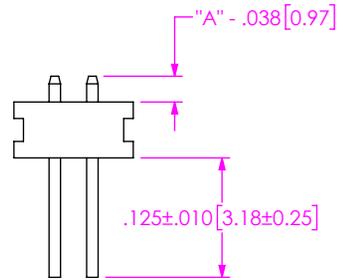
DESCRIPTION:
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DWG. NO. **FTMH-1XX-XX-XX-DV-XX**

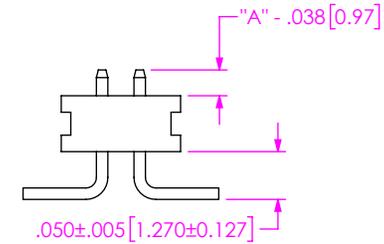
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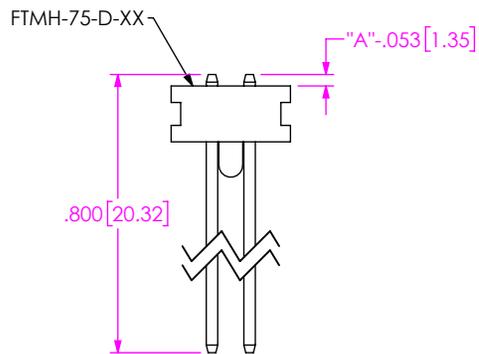
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W/O -A PINS



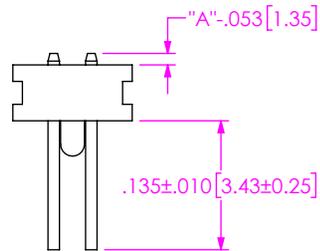
IN PROCESS 2
W/O -A PINS



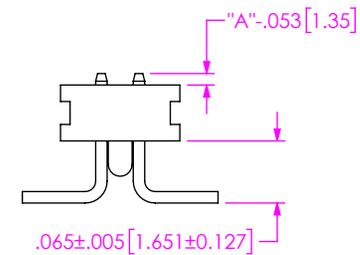
IN PROCESS 3
W/O -A PINS



IN PROCESS 1
WITH -A PINS



IN PROCESS 2
WITH -A PINS



IN PROCESS 3
WITH -A PINS

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

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