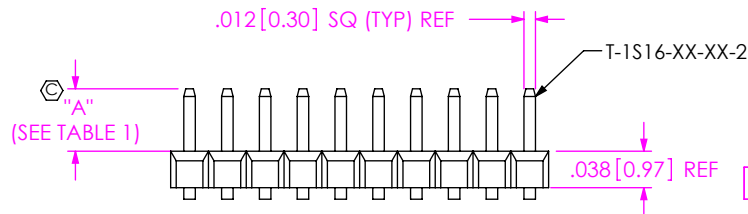
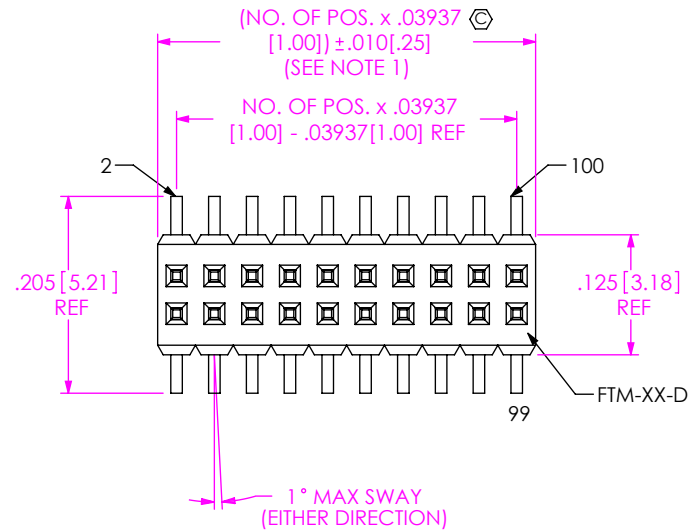


DO NOT  
SCALE FROM  
THIS PRINT

## NOTES:

1. PARTS MAY BE CUT TO POSITION; .010 MAX CUT FLASH
2. SHEAR TAILS TO DIMENSION SHOWN; .003 MAX BURR.
3. NOTE DELETED.
4. Ⓢ REPRESENTS A CRITICAL DIMENSION.
5. NOTE DELETED.
6. NOTE DELETED.
7. POSITIONS -02 THRU -04 TO BE LAYER PACKAGED, AND POSITIONS -05 THRU -50 TO BE TUBE PACKAGED.
8. PARTS WITH -S OPTION ARE TO APPEAR AS SHOWN IN FIG 2 OR FIG 6 AT SAMTEC'S DISCRETION.
9. 4 POSITIONS MUST BE ADDED TO PART CALL OUT TO ALLOW FOR PUSH ON SHROUDS.  
EX: FTM-125-02-L-DV-S REQUIRES A 29 POSITION STRIP.
10. MINIMUM PUSHOUT FORCE: .5 LB (8 OZ)
11. TUBES ARE STANDARD PACKAGING.
12. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
13. ATTACH LABEL TO EACH REEL.

TABLE 1

| LEAD STYLE | "A"         | TERMINAL       |
|------------|-------------|----------------|
| -02        | .075 [1.91] | T-1S16-03-XX-2 |
| -03        | .065 [1.65] | T-1S16-04-XX-2 |

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## FTM-1XX-XX-XX-DV-XX-X-XX

NO OF POSITIONS  
(PER ROW)

-02 THRU -50 (UNSHROUDED)  
-05 THRU -46 (SHROUDED)

## LEAD STYLE

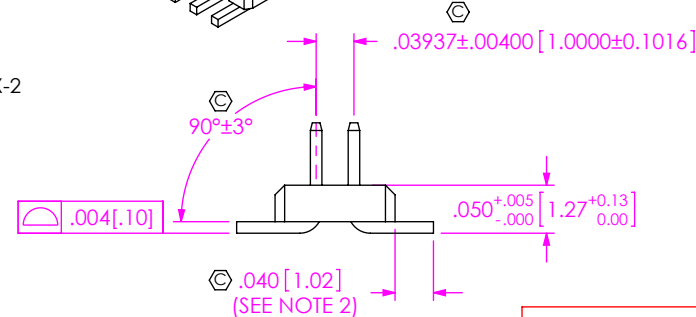
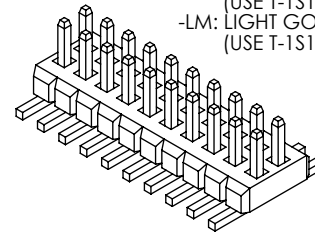
-02: .075 [1.91] POST HEIGHT  
-03: .065 [1.65] POST HEIGHT

## PLATING SPECIFICATION

-F: FLASH SELECTIVE (USE T-1S16-XX-F-2)  
-L: LIGHT SELECTIVE (USE T-1S16-XX-L-2)  
-H: HEAVY GOLD (USE T-1S16-XX-H-2)  
-G: GOLD (USE T-1S16-XX-G-2)  
-FM: FLASH GOLD W/ MATTE TIN TAILS  
(USE T-1S16-XX-F-2)  
-LM: LIGHT GOLD W/ MATTE TIN TAILS  
(USE T-1S16-XX-L-2)

## ROW OPTION

-DV: DUAL VERTICAL



## PACKAGING

BLANK: TUBES (SEE NOTES 7 & 11)  
-TR: TAPE & REEL  
(SEE NOTES 12 & 13)  
-FR: FULL REEL QTY TAPE & REEL  
(SEE NOTES 12 & 13)

## PICK &amp; PLACE OPTION

-P: PICK & PLACE PAD (USE PPP-30)  
(USE PPP-30-NT FOR TAPE & REEL)  
(AVAILABLE ON POSITIONS -07 THRU -50)  
(SEE FIG 4, SHT 3)

## OPTION

-S: END SHROUDS (05 POS. MINIMUM)  
(SEE NOTE 8) (SEE NOTE 9)  
PRESS FIT SHROUDS: SEE FIG 2  
MOLDED SHROUDS: SEE FIG 6  
-SA: END SHROUDS W/ ALIGNMENT PINS  
(SEE FIG 3, SHT. 2) (SEE NOTE 9)  
(05 POS PER ROW MINIMUM, 46 POS  
PER ROW MAXIMUM)  
(USE FTM-XX-D, USE FTMH-75-D-ES-XX-X  
FOR MOLDED END SHROUDS)

## CRITICAL DIMENSION INSPECTION INSTRUCTION TABLE

| ASSEMBLY OPERATION         | IN PROCESS INSPECTION |
|----------------------------|-----------------------|
| AUTO FILL T-1S16-XX-XX-2   | C1, C3, C5, C6, C8    |
| HAND FILL                  | C1, C3                |
| SHEAR                      | C8                    |
| RE-PRESS                   | C1, C3, C5, C6        |
| CUT TO POSITION            | C2, C7                |
| INSTALL FEM                | C9, C10, C16          |
| INSTALL FEM-A              | C12                   |
| INSTALL PICK AND PLACE PAD | C13                   |

CPC'S INTENTIONALLY DELETED: C4, C11, C14, C15

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS ANGLES  
.XX: ±.01 [.3] 3°  
.XXX: ±.005 [.13]  
.XXXX: ±.0020 [.051]

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MATERIAL: DO NOT SCALE DRAWING

BODY: VECTRA E130  
COLOR: BLACK

TERMINAL:  
PHOS BRONZE

MAX FLASH ALLOWED:  
.002 [.05]  
MAX GATE VESTIGE  
ALLOWED: .002 [.05]

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

DESCRIPTION:  
1mm x 1mm LOW PROFILE SMT STRIP ASM

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

BY: B MENEAR 2/13/2006 SHEET 1 OF 3

FIG 2

-S OPTION  
FTM-1XX-02-X-DV-S SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1) (SEE NOTE 8) (SEE NOTE 9)  
(PRESS FIT SHROUDS TO HAVE 8 UNUSED SOLDER TAILS AS SHOWN)

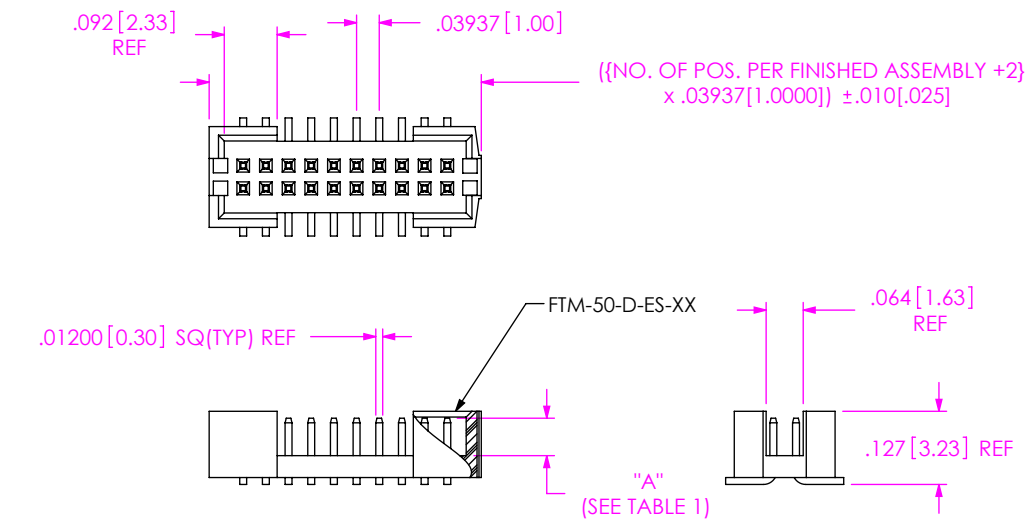
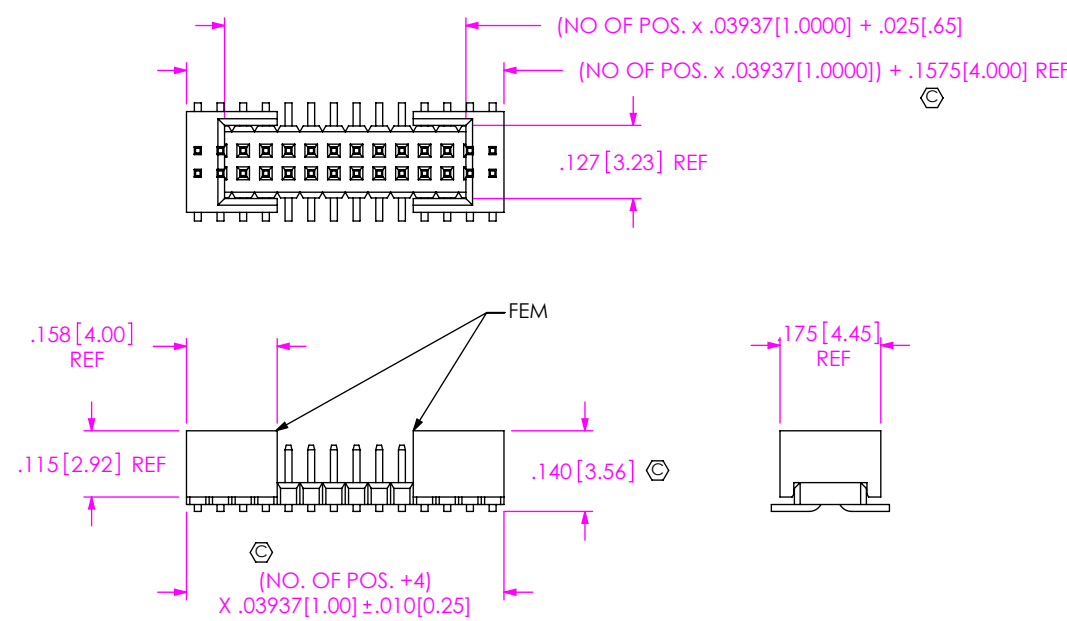
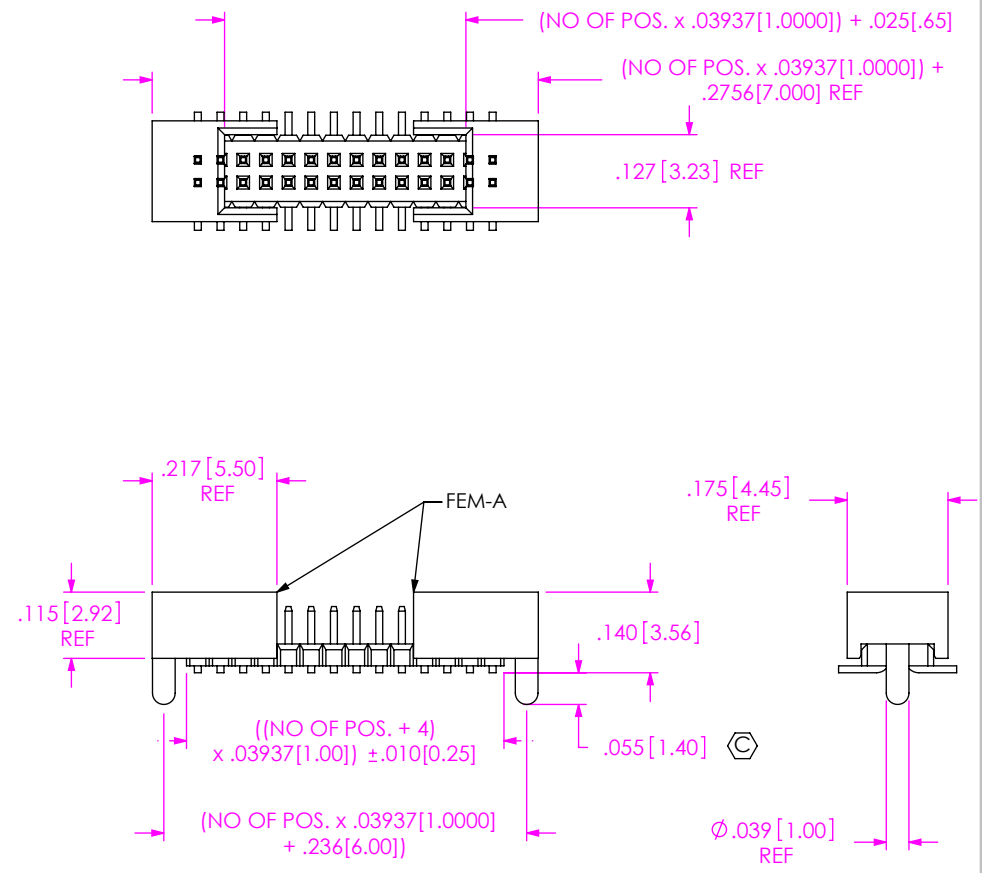


FIG 6

-S OPTION: MOLDED SHROUD  
FTM-1XX-02-X-DV-S SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)(SEE NOTE 8)

FIG 3

-SA SHOWN: PRESS FIT SHROUD  
FTM-1XX-02-X-DV-SA  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
(SEE NOTE 9)



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SHEET SCALE: 2:1

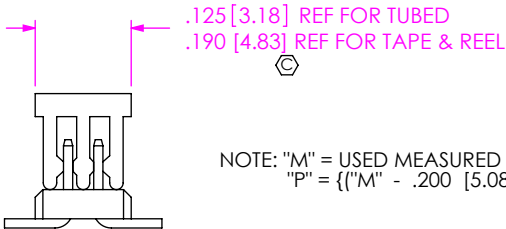
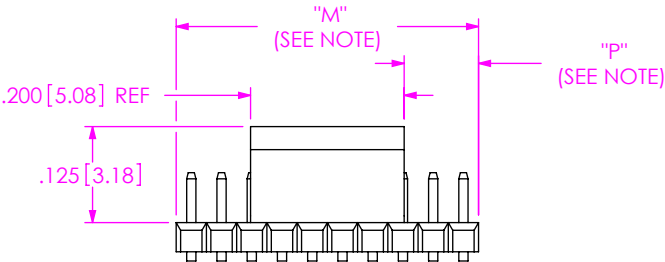


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e-Mail: info@SAMTEC.com code: 55322

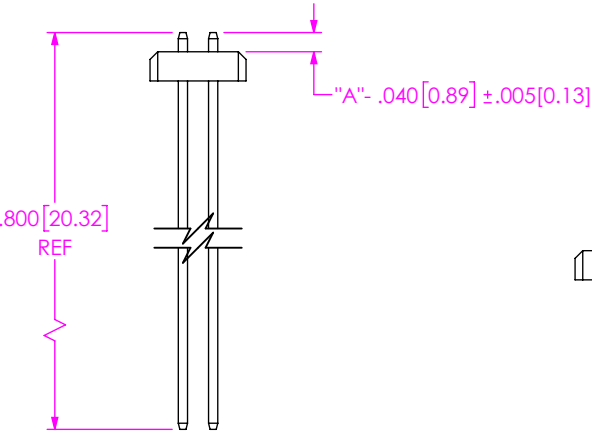
DESCRIPTION:  
1mm x 1mm LOW PROFILE SMT STRIP ASM  
DWG. NO.  
FTM-1XX-XX-XX-DV-XX-X-XX  
BY: B MENEAR 2/13/2006 SHEET 2 OF 3

FIG 4

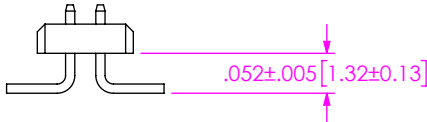
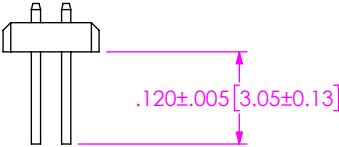
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



NOTE: "M" = USED MEASURED DIMENSION (REF)  
"P" = {("M" - .200 [5.08]) / 2} +/- .020 [.51]



IN-PROCESS VIEWS ARE FOR HANDFILL ONLY

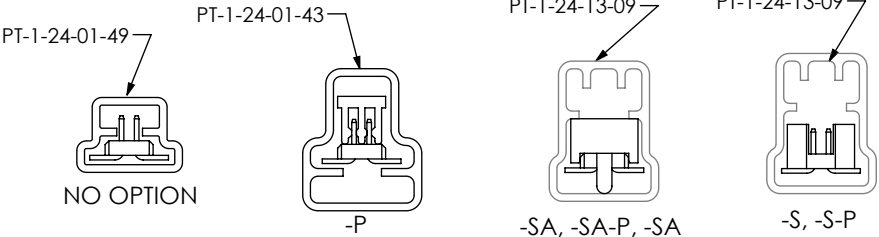


PACKAGING VIEW

(SEE NOTE 7)

NOTE:  
ONLY POSITIONS -05 THRU -50 ARE TO BE TUBED. POSITIONS -02 THRU -04 TO BE LAYER PACKAGED ONLY. INSERT PLUG TP-30 AT AN ANGLE INTO PT-1-24-01-49, PLUG MUST SUPPORT THE INSULATOR.

| PACKAGING TABLE      |                |       |
|----------------------|----------------|-------|
| OPTIONS              | PACKAGING TUBE | PLUGS |
| W/O OPTION           | PT-1-24-01-49  | TP-30 |
| -P                   | PT-1-24-01-43  | TP-24 |
| -S, -S-P, -SA, -SA-P | PT-1-24-13-09  | TP-24 |



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FTM-1XX-XX-XX-DV-XX-X-XX

BY: B MENEAR 2/13/2006 SHEET 3 OF 3