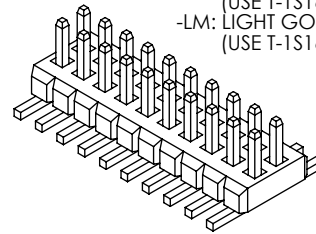
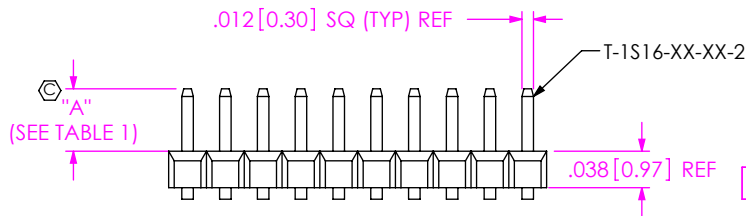
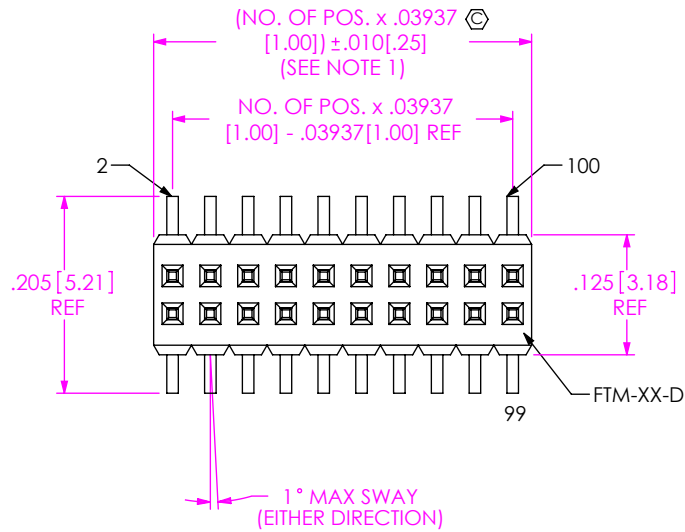


DO NOT SCALE FROM THIS PRINT



ROW OPTION  
-DV: DUAL VERTICAL

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)

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 & 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)

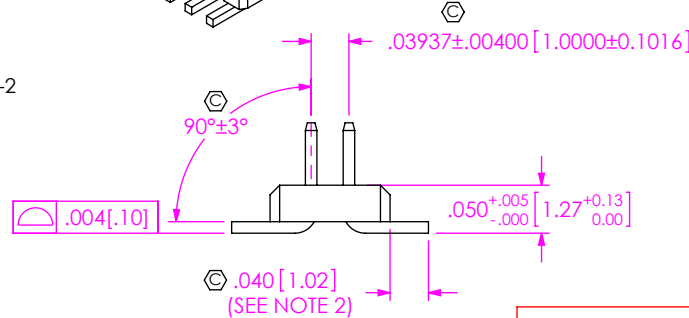


FIG 1  
FTM-1XX-02-X-DV SHOWN

PATENT NUMBERS  
5655914 / 5785536

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 TUBE 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

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)

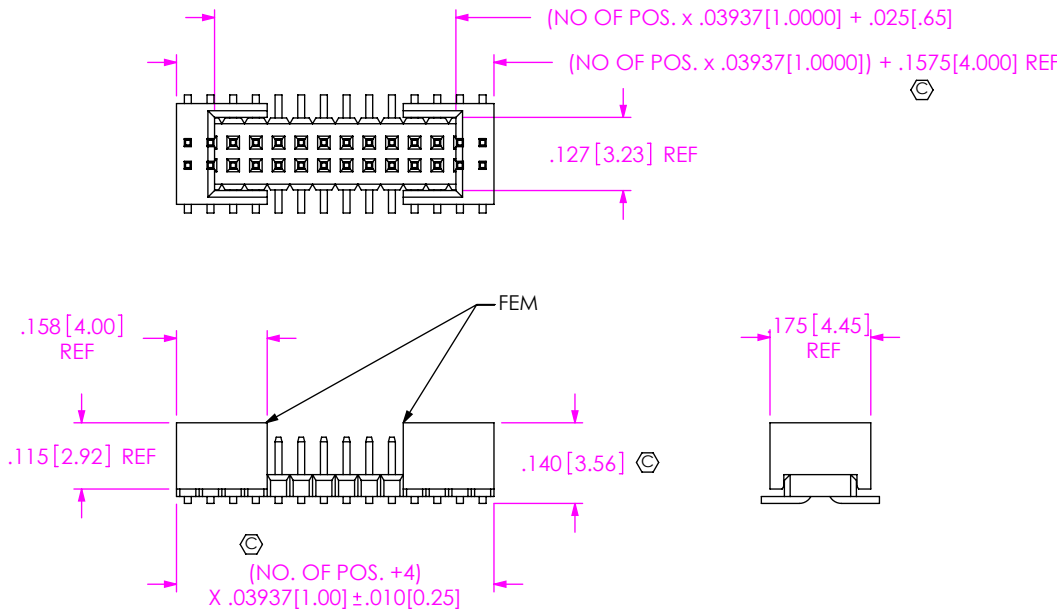


FIG 3

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

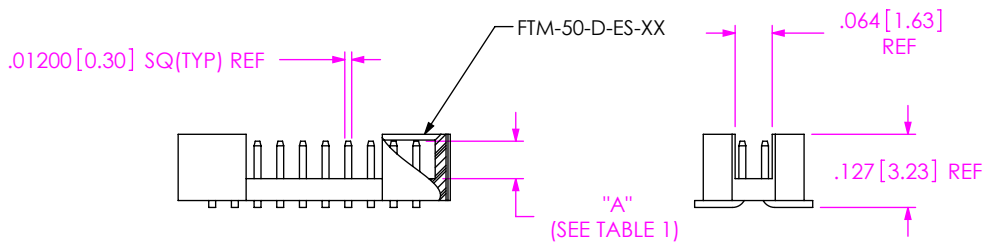
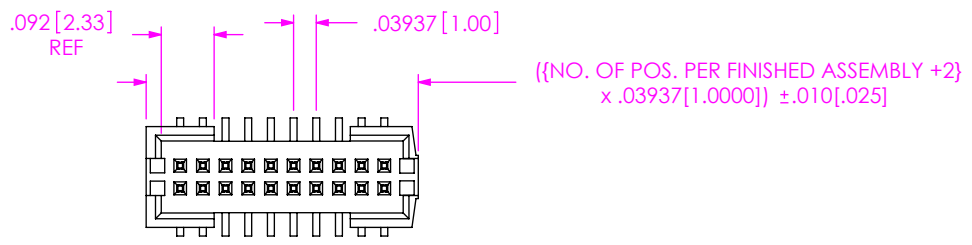
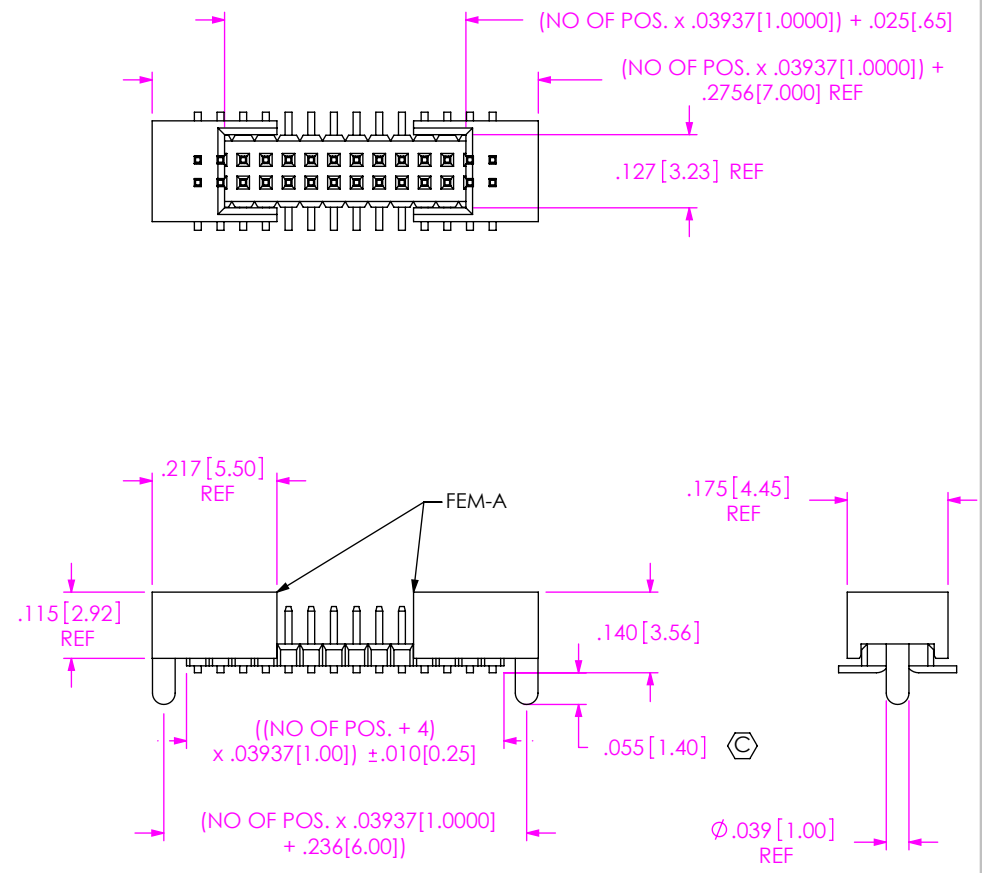


FIG 6

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

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DO NOT SCALE DRAWING  
SHEET SCALE: 2:1

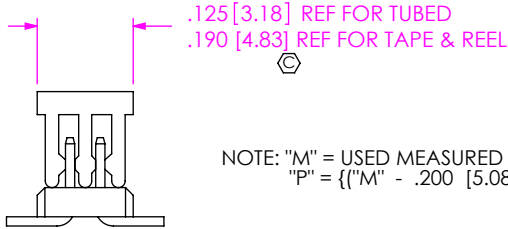
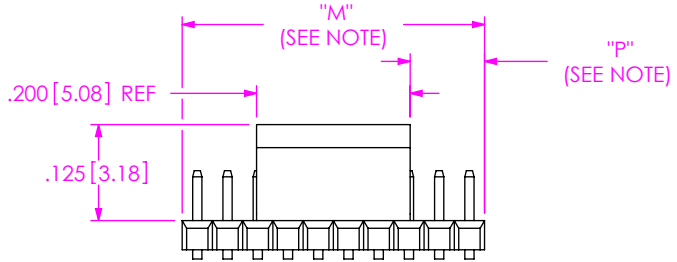


520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code: 55322

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	2 OF 3

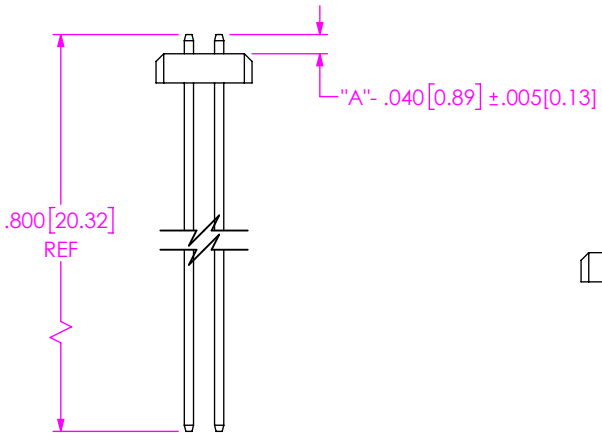
FIG 4

(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

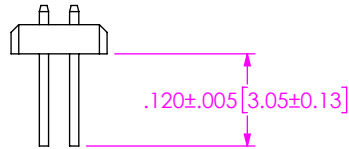


NOTE: "M" = USED MEASURED DIMENSION (REF)  
 "P" = {"M" - .200 [5.08]} / 2} +/- .020 [.51]

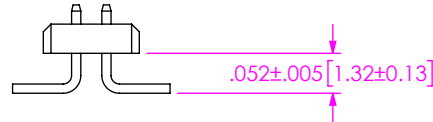
IN-PROCESS VIEWS ARE FOR HANDFILL ONLY



IN-PROCESS 1



IN-PROCESS 2



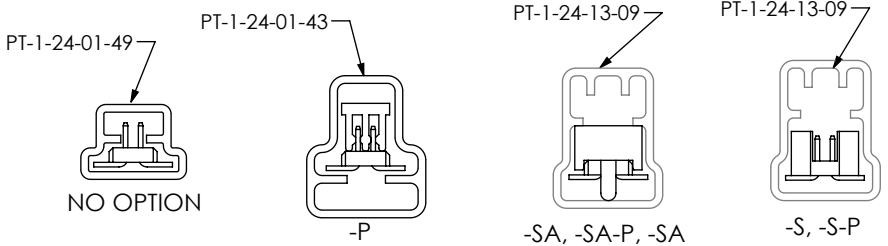
IN-PROCESS 3

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



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

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

DO NOT SCALE DRAWING

SHEET SCALE: 4:1

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 3 OF 3