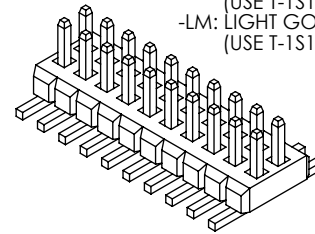
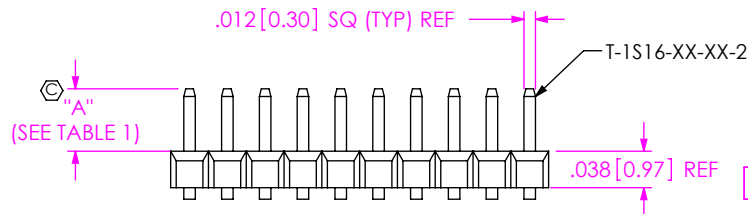
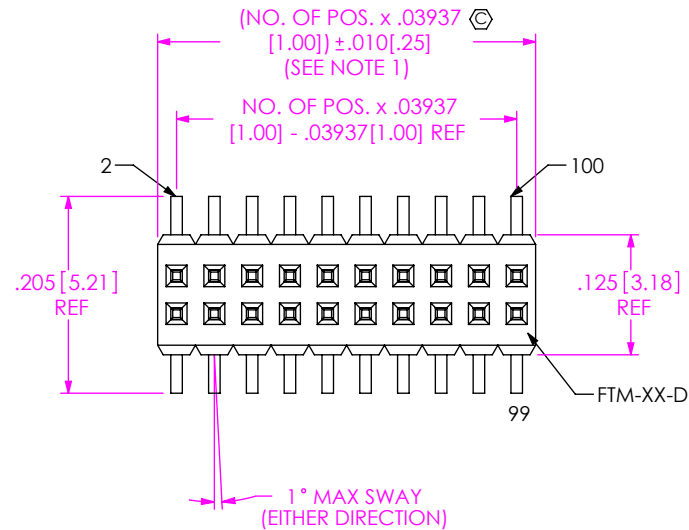


DO NOT
SCALE FROM
THIS PRINT

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)

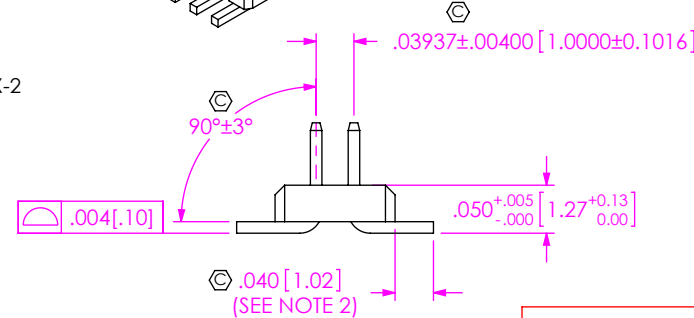
-TR: TAPE & REEL
 (SEE NOTES 12 & 13)
 -FR: FULL REEL QTY TAPE & REEL
 (SEE NOTES 12 & 13)

PICK & 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

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

FIG 1

FTM-1XX-02-X-DV SHOWN

PATENT NUMBERS
5655914 / 5785536UNLESS 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: BLACKTERMINAL:
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)

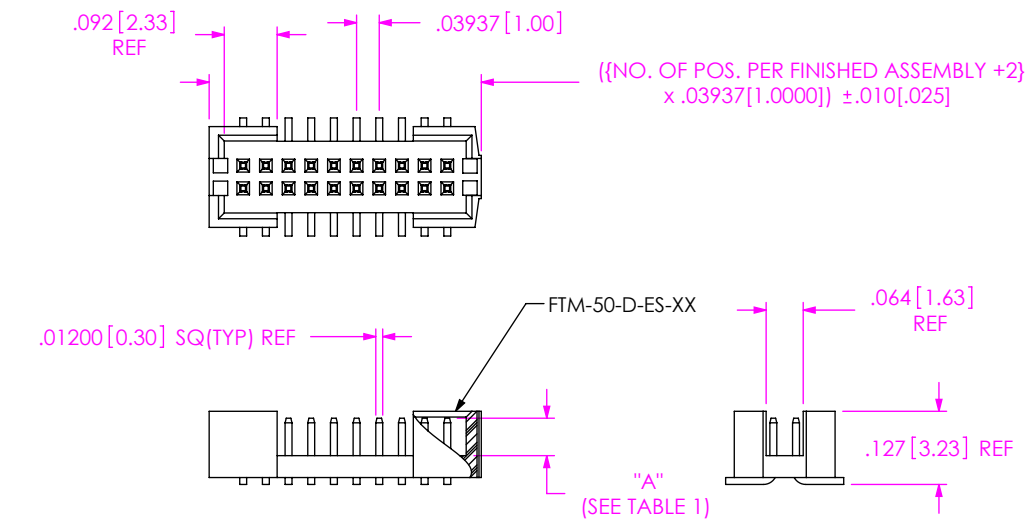
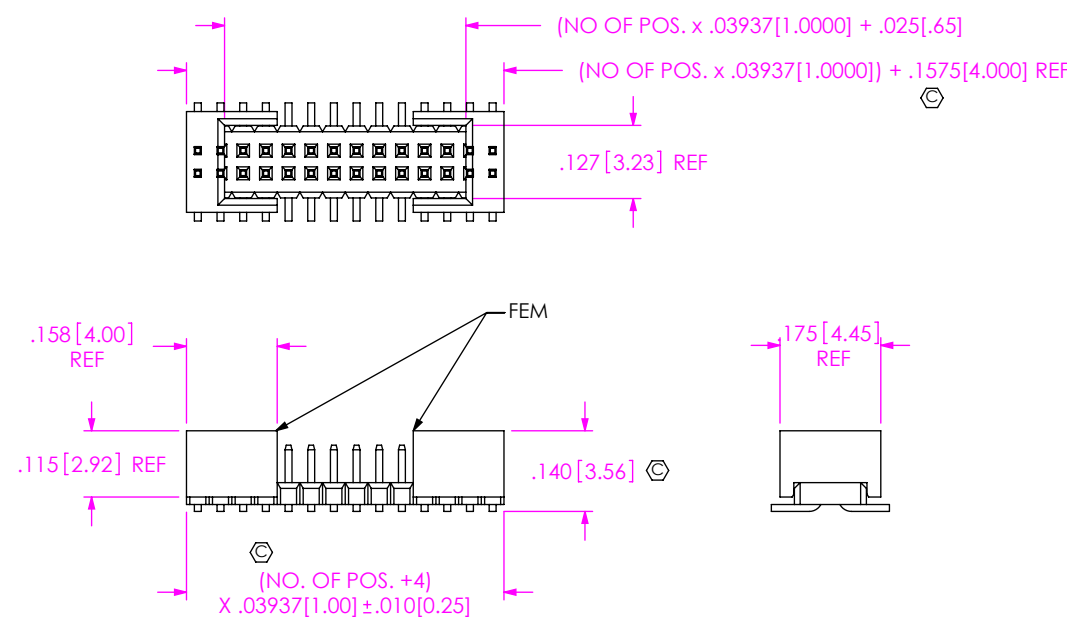
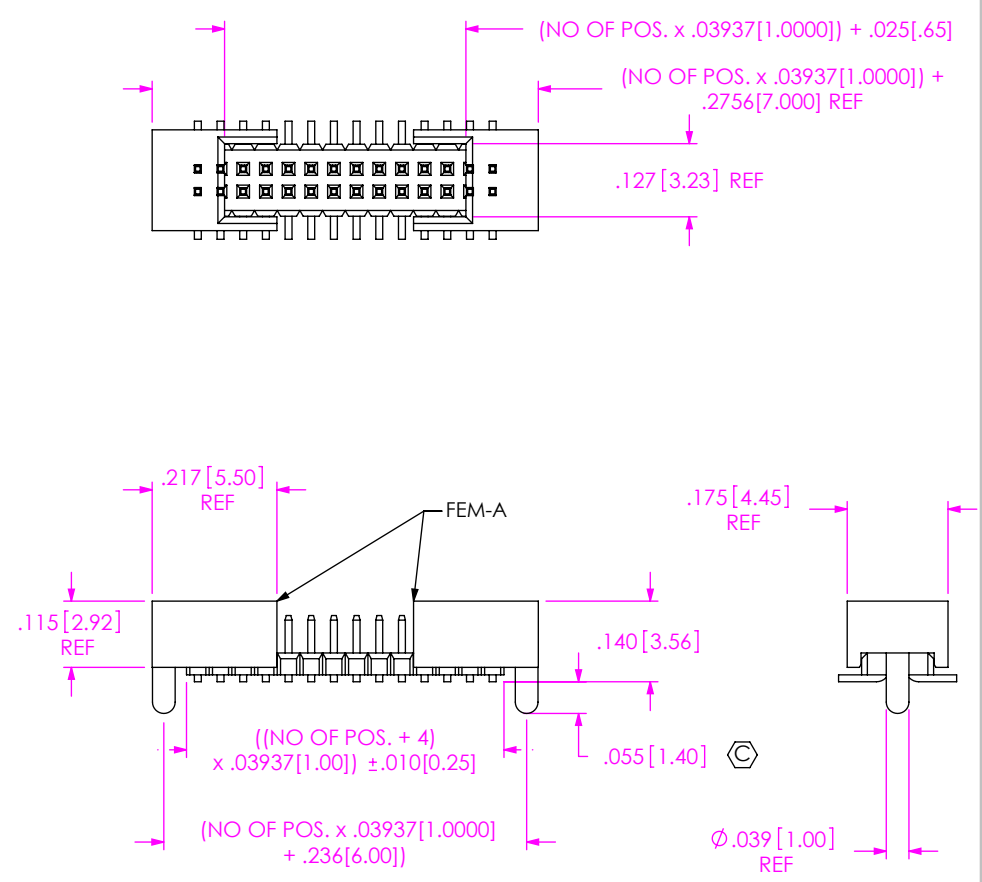


FIG 6

-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

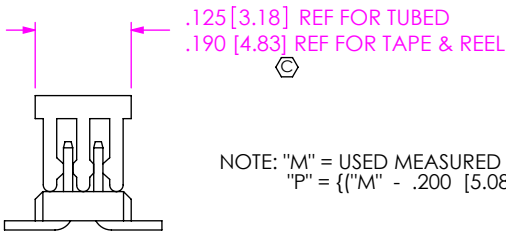
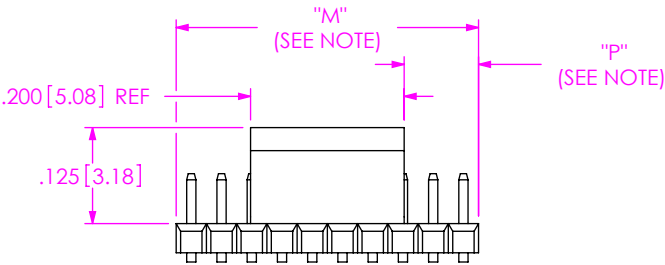


520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

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

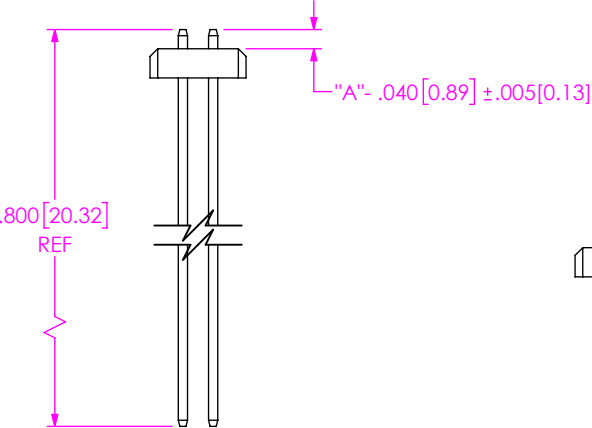
FIG 4

(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

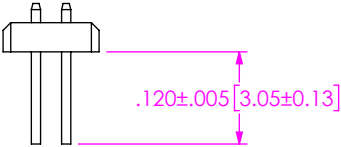


NOTE: "M" = USED MEASURED DIMENSION (REF)
"P" = {("M" - .200 [5.08]) / 2} +/- .020 [.51]

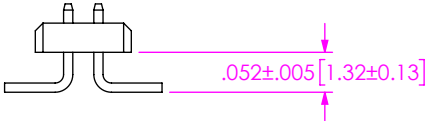
IN-PROCESS VIEWS ARE FOR HANDFILL ONLY



IN-PROCESS 1



IN-PROCESS 2



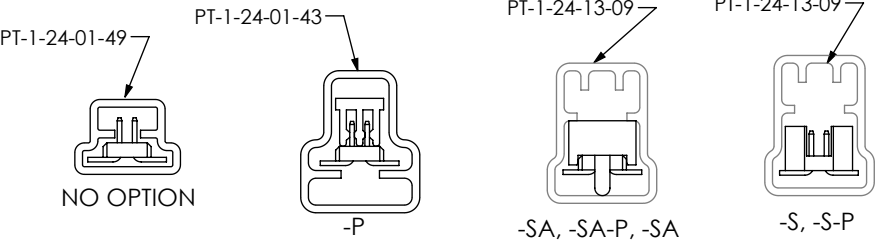
IN-PROCESS 3

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

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