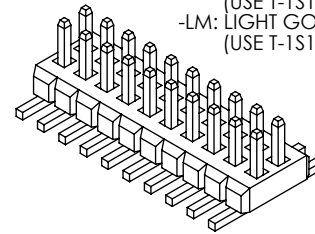
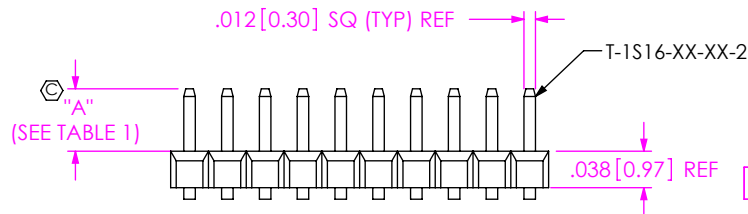
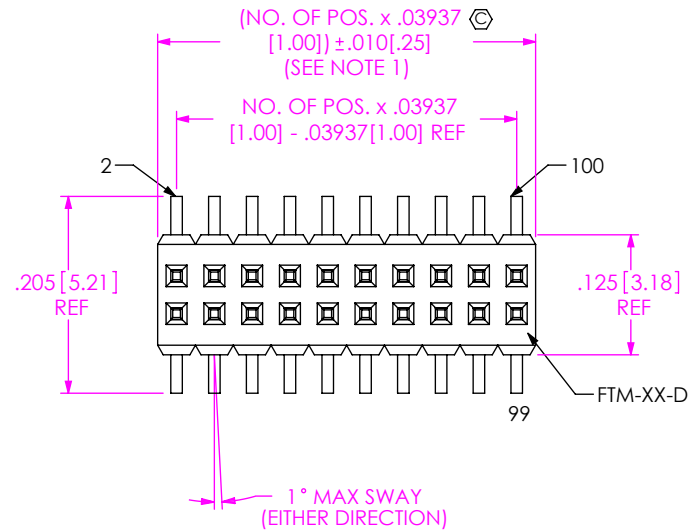


DO NOT
SCALE FROM
THIS PRINT

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

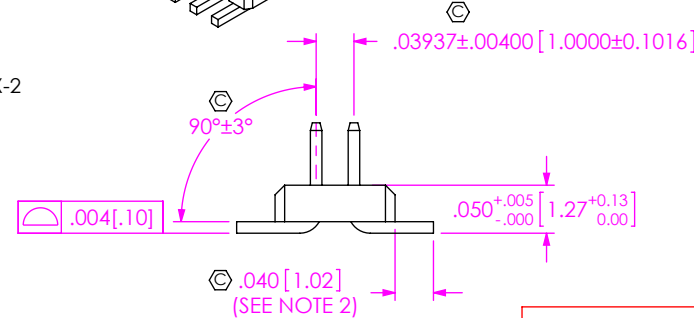
BLANK: TUBES (SEE NOTES 7 & 11)
-TR: TAPE & REEL
(SEE NOTES 12 & 13)
-FR: FULL REEL QTY TAPE & REEL
(SEE NOTES 12 & 13)

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:

- PARTS MAY BE CUT TO POSITION; .010 MAX CUT FLASH
- SHEAR TAILS TO DIMENSION SHOWN; .003 MAX BURR.
- NOTE DELETED.
- ⊙ REPRESENTS A CRITICAL DIMENSION.
- NOTE DELETED.
- NOTE DELETED.
- POSITIONS -02 THRU -04 TO BE LAYER PACKAGED, AND
POSITIONS -05 THRU -50 TO BE TUBE PACKAGED.
- PARTS WITH -S OPTION ARE TO APPEAR AS SHOWN IN FIG 2
OR FIG 6 AT SAMTEC'S DISCRETION.
- 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.
- MINIMUM PUSHOUT FORCE: .5 LB (8 OZ)
- 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.

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

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

FIG 1

FTM-1XX-02-X-DV SHOWN

PATENT NUMBERS
5655914 / 5785536

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]

samtec

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)

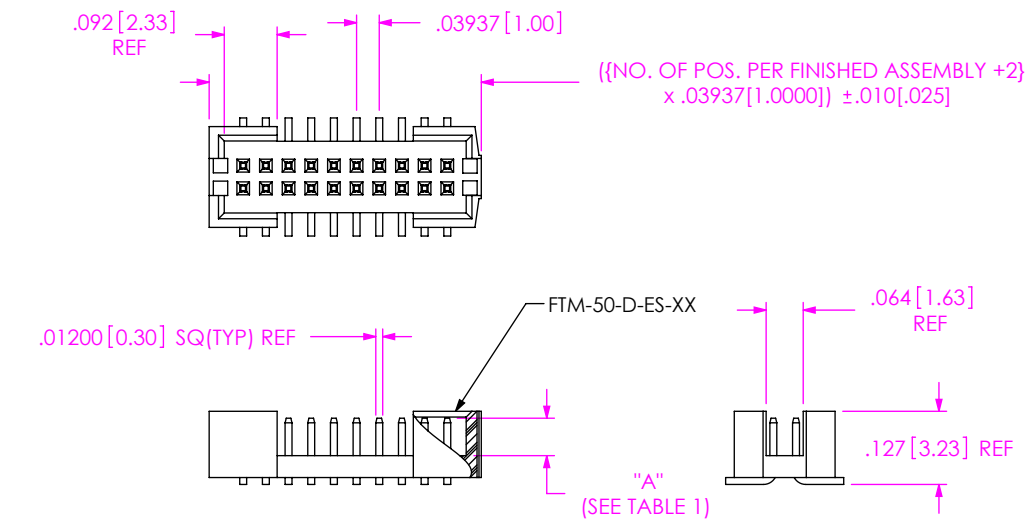
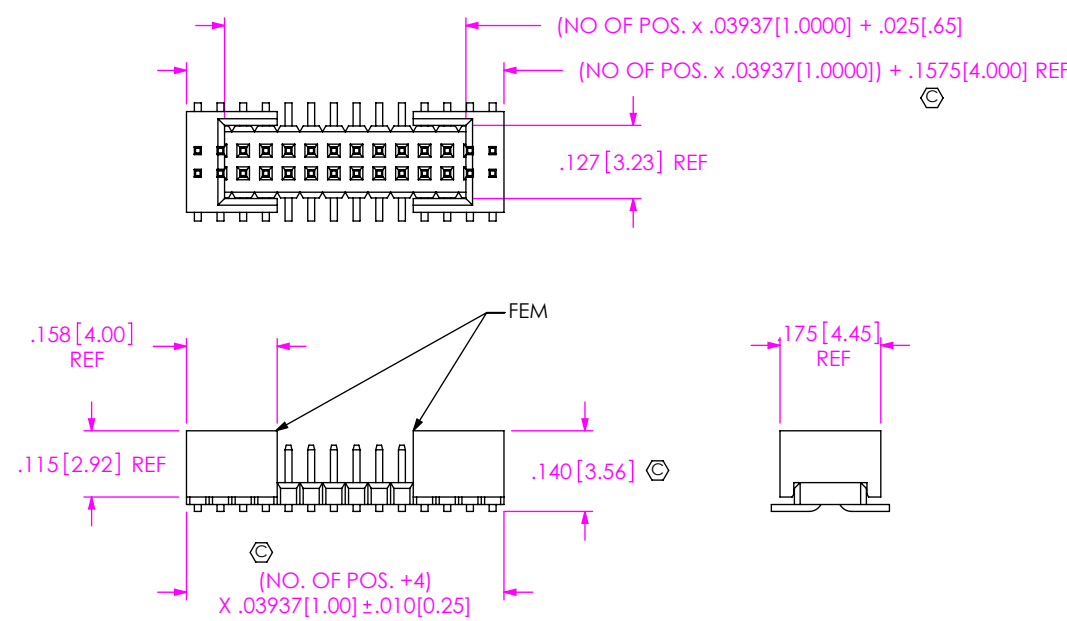
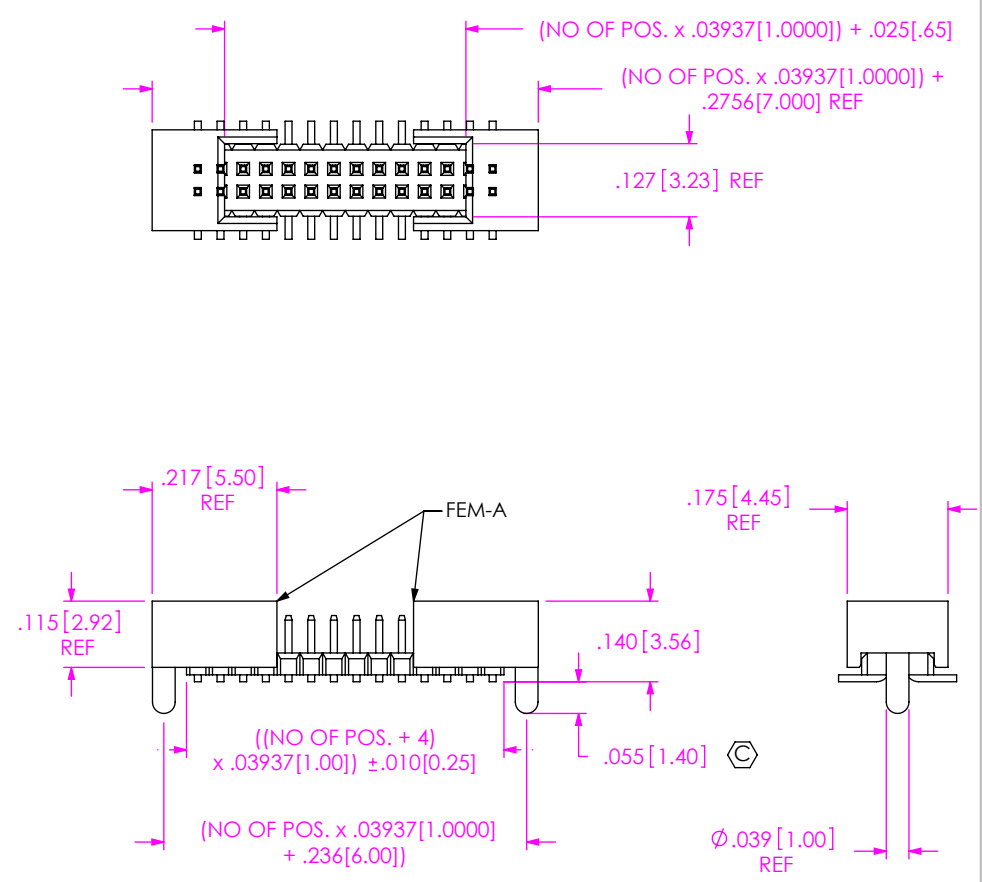


FIG 6

-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

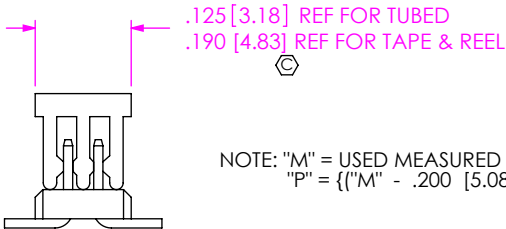
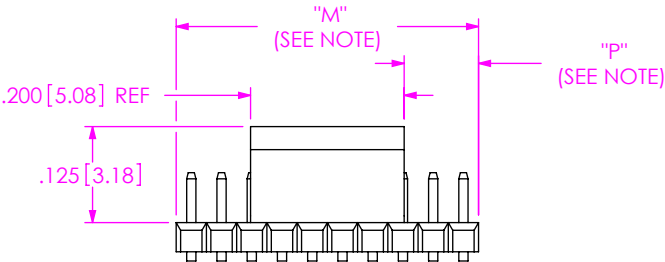


520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

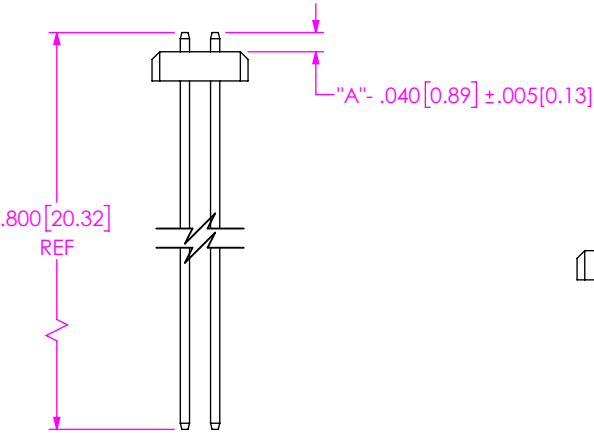
DESCRIPTION:
1mm x 1mm LOW PROFILE SMT STRIP ASM
DWG. NO.
FTM-1XX-XX-XX-DV-XX-X-XX
BY: B MENEAR 2/13/2006 SHEET 2 OF 3

FIG 4

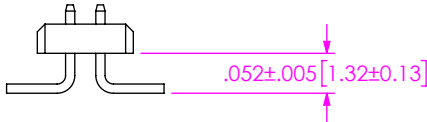
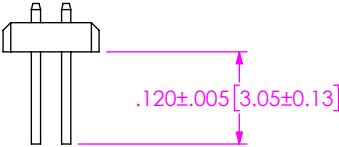
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



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



IN-PROCESS VIEWS ARE FOR HANDFILL ONLY

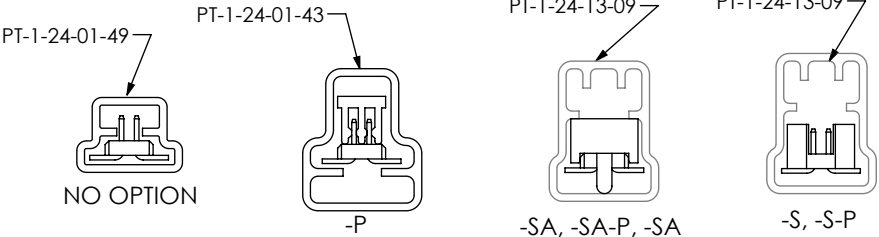


PACKAGING VIEW

(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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DESCRIPTION:
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DWG. NO.
FTM-1XX-XX-XX-DV-XX-X-XX

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