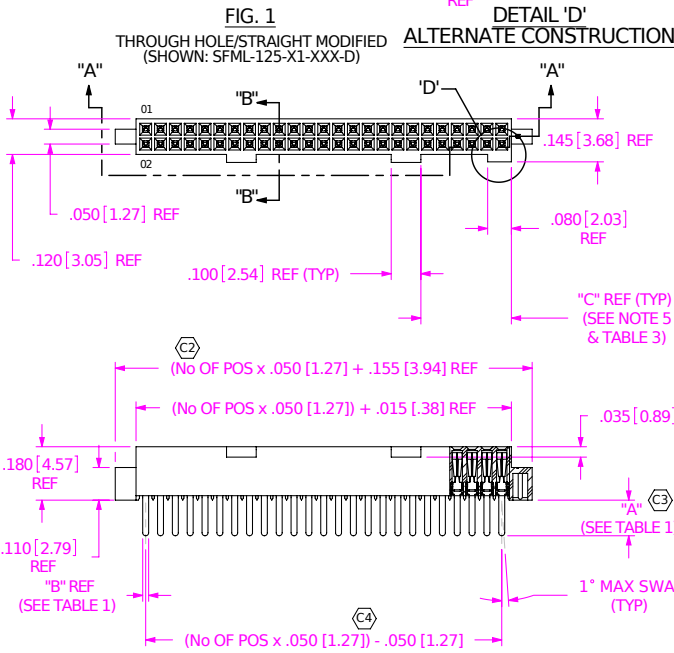


REVISION X

STYLE	"A"	"B"
-X1	.120 [3.05]	.020 [1.51]
-X3	.075 [1.91]	.016 [1.41]



SFML-1XX-XX-XXX-D-XX

No. OF POSITIONS  
-05, -07, -10 THRU -50  
(PER ROW)

- LEAD STYLE
- 01: THROUGH HOLE (USE C-44-01-XXX, SEE FIG 1, SHT 1)
  - 02: SURFACE MOUNT (USE C-44-02-XXX, SEE FIG 3, SHT 2)
  - 03: STRAIGHT MODIFIED (USE C-44-03-XXX, SEE FIG 1, SHT 1)
  - L1: THROUGH HOLE (LOW INSERTION) (USE C-61-01-XXX, SEE FIG 1, SHT 1)
  - L2: SURFACE MOUNT (LOW INSERTION) (USE C-61-02-XXX, SEE FIG 3, SHT 2)
  - L3: STRAIGHT MODIFIED (LOW INSERTION) (USE C-61-03-XXX, SEE FIG 1, SHT 1)
  - T1: THROUGH HOLE (PHOS BRONZE) (USE C-119-01-XXX, SEE FIG 1, SHT 1)
  - T2: SURFACE MOUNT (PHOS BRONZE) (USE C-119-02-XXX, SEE FIG 3, SHT 2)

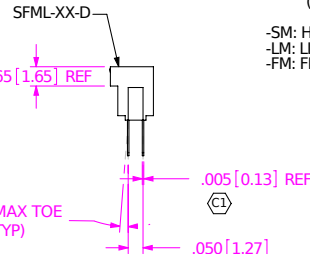
- OPTIONS
- (LEAVE BLANK FOR STANDARD AND USE SFML-XX-D)
- A: ALIGNMENT PIN (USE SFML-XX-D-A) (SEE FIG 5, SHT 3)
  - LC: LOCKING CLIP (SEE FIG 7, SHT 3) (USE (2) LC-05-TM & SFML-XX-D)
  - P: PICK & PLACE PAD (SEE FIG 6, SHT 3) (USE PPP-02) (NOT AVAILABLE IN 5 POS)
  - TR: TAPE & REEL PACKAGING (SEE FIG 2, SHT 1)
  - K: POLYIMIDE FILM PAD (USE K-500-300) (SEE FIG 4, SHT 2)
  - SN: SOLDER NAIL (USE SFML-XX-D-SN & WT-27-01-T) (SEE FIG 8, SHT 4) (AVAILABLE ON -X2 LEAD STYLES ONLY)

ROW SPECIFICATION

- D: DOUBLE ROW (USE SFML-XX-D-X)

PLATING SPECIFICATION

- S: SELECTIVE
- P: GOLD FLASHED PALLADIUM NICKEL
- F: FLASH SELECTIVE GOLD
- H: HEAVY GOLD
- L: LIGHT SELECTIVE GOLD
- STL: SELECTIVE GOLD/TIN-LEAD (ONLY AVAILABLE ON -02 AND -L2 LEADSTYLES)
- SM: HEAVY SELECTIVE GOLD, MATTE TIN TAIL
- LM: LIGHT SELECTIVE GOLD, MATTE TIN TAIL
- FM: FLASH SELECTIVE GOLD, MATTE TIN TAIL

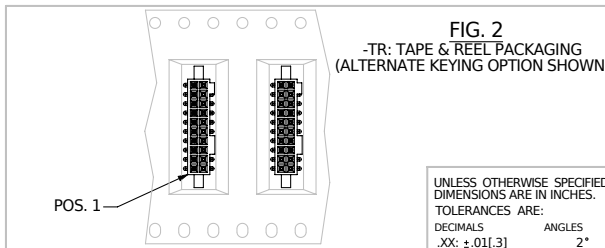


NOTES:

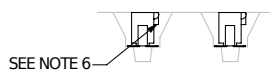
1.  REPRESENTS A CRITICAL DIMENSION.
2. COPLANARITY: .004 [1.0] FOR POS. 10 THRU 26  
.006 [1.5] FOR POS. 27 THRU 50
3. MINIMUM PUSHOUT FORCE: 5 LB.
4. MAXIMUM ALLOWABLE BOW: .002 INCH/INCH [MM/MM] AFTER ASSEMBLY.
5. POSITIONS -05 AND -07 WILL HAVE ONLY ONE CLIP AT DIMENSION SHOWN AND WILL NOT HAVE POLARIZATION NOTCH;  
POSITIONS -10 THROUGH -24 WILL HAVE ONLY ONE CLIP AT DIMENSION SHOWN;  
POSITIONS -25 THROUGH -34 WILL HAVE TWO CLIPS AT DIMENSION SHOWN;  
POSITIONS -35 THROUGH -50 WILL HAVE THREE CLIPS: TWO AT DIMENSION SHOWN & ONE CENTERED ON INSULATOR.
6. SEE NOTCH FOR PROPER ORIENTATION.
7. PINS CAN BE ORIENTED IN ANY DIRECTION; BOTH ROWS MUST FACW SAME WAY.
8. MAXIMUM PIN HEIGHT VARIATION BETWEEN ANY TWO ROWS: .003 [0.8].
9. TUBE PARTS WITH NOTCH TOWARD ARROW.

NO OF POS.	"C"
-05, -07	.080 [2.03]
-10 THRU -50	.305 [7.75]

SECTION "A"-"A"



USER DIRECTION OF UNREELING



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

DECIMALS ANGLES  
.XX: ±.01 [3] 2°  
.XXX: ±.005 [13]  
.XXXX: ±.0020 [51]

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**samtec**

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

DO NOT SCALE DRAWING SHEET SCALE: 2:1

MATERIAL:  
INSULATOR: VECTRA E130I  
CONTACT: BeCu  
PHOS BRONZE

F:\DWG\MISC\MKTG\SFML-1XX-XX-XXX-D-XX-MKT-SLDDR

DESCRIPTION:  
.050 [1.27] x .050 [1.27] LOCKING SOCKET ASSEMBLY

DWG. No. SFML-1XX-XX-XXX-D-XX

BY: BRATCHER 4/19/99 SHEET 1 OF 4

REVISION X

FIG. 3  
-X2: SURFACE MOUNT  
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)

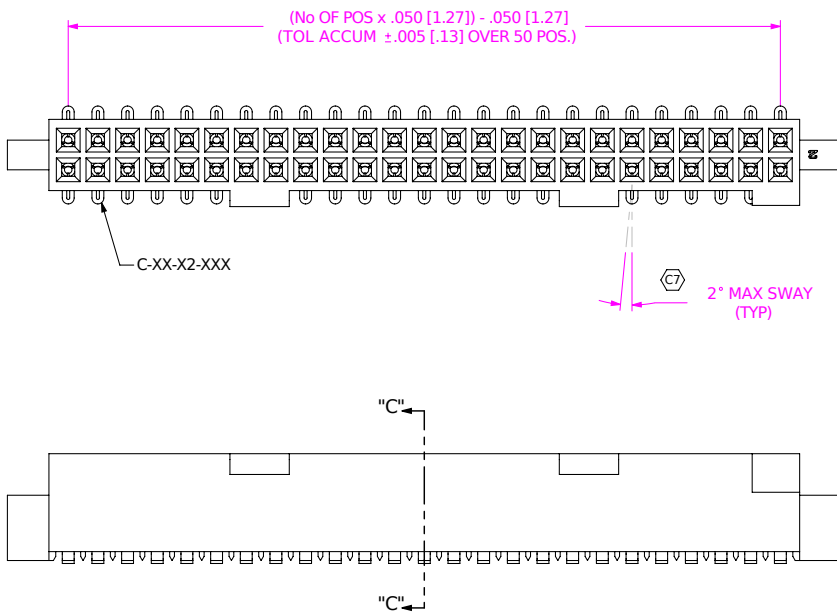
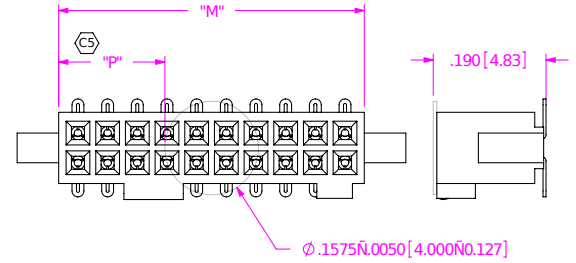
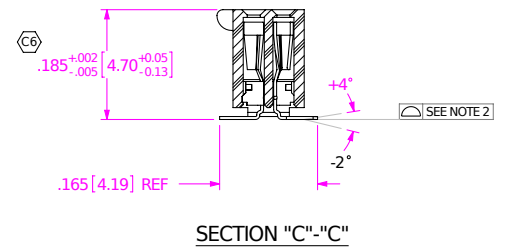


FIG. 4  
-K: POLYIMIDE FILM PAD OPTION  
(SHOWN: SFML-110-X2-X-D-K)  
(ALTERNATE CONSTRUCTION SHOWN)



NOTE:  
"M" = USED MEASURED DIMENSION (REF)  
"P" =  $\{ ("M" - .1575 [4.000]) / 2 \} \pm .020 [ .51 ]$



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SHEET SCALE: 4:1

**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: .050 [1.27] x .050 [1.27] LOCKING SOCKET ASSEMBLY

DWG. NO. SFML-1XX-XX-XXX-D-XX

BY: BRATCHER 4/19/99 SHEET 2 OF 4

REVISION X

FIG. 5

-A: ALIGNMENT PIN OPTION  
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)  
(ALTERNATE CONSTRUCTION SHOWN)

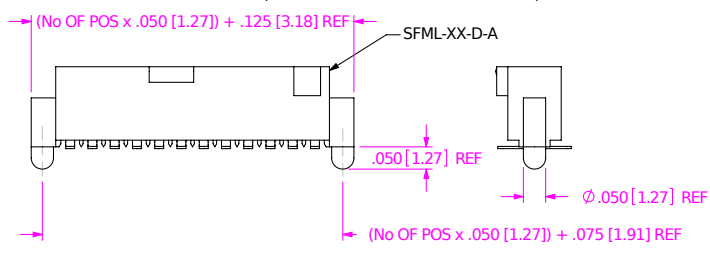


FIG. 6

-P: PICK & PLACE PAD OPTION  
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)  
(ALTERNATE CONSTRUCTION SHOWN)

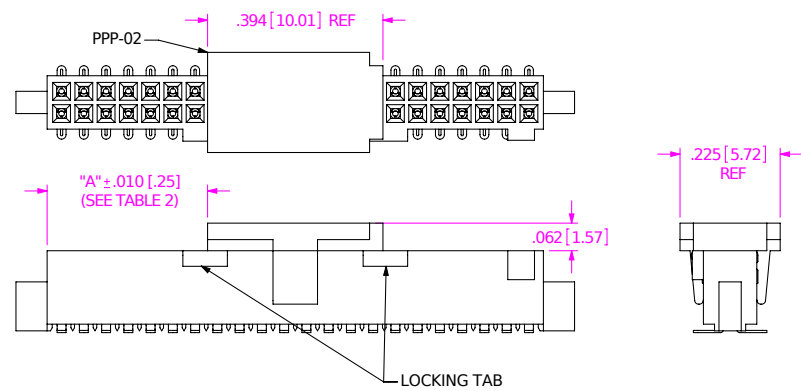
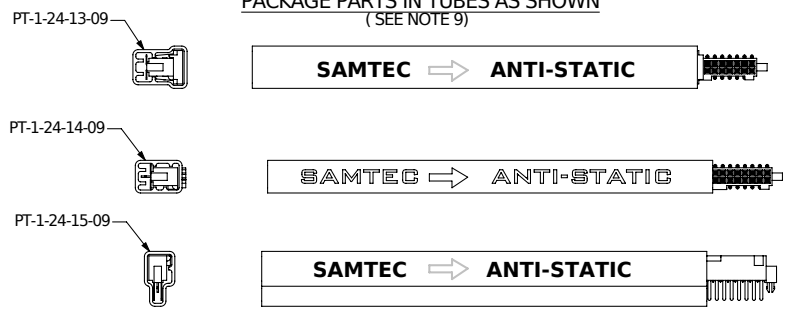


TABLE 2

POS.	"A"
-35 AND ABOVE (ODD)	{{(No OF POS x .050 [1.27]) / 2} - .2895 [7.353]}
EVEN ABOVE -34	{{(No OF POS x .050 [1.27]) / 2} - .3145 [7.989]}
ODD ABOVE -19	{{(No OF POS x .050 [1.27]) / 2} - .1895 [4.813]}
EVEN ABOVE -18	{{(No OF POS x .050 [1.27]) / 2} - .2145 [5.448]}
-07	.065 [1.65] OVERHANG
-10	.086 [2.18]
-11	.136 [3.45]
-12	.186 [4.72]
-13	.236 [5.99]
-14	.286 [7.26]
-15	.086 [2.18]
-16	.136 [3.45]
-17	.186 [4.72]
-18	.236 [5.99]
-19	.286 [7.26]

X

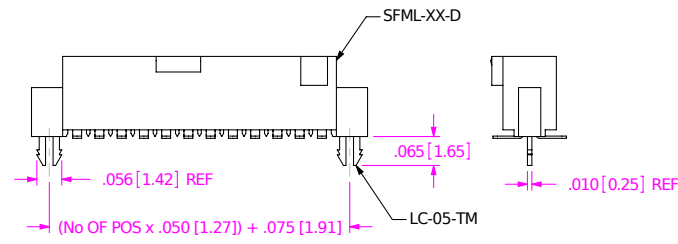
PACKAGE PARTS IN TUBES AS SHOWN  
(SEE NOTE 9)



LEAD STYLE	PACKAGING TUBE	PLUG
-X1-X, -X3-X (NO PAD)	PT-1-24-15-09	TP-24-02
-X1-X-P (W/ P&P PAD)	PT-1-24-02-17	TP-09
-X2-X (NO P&P PAD)	PT-1-24-14-09	TP-24-02
-X2-X-P, -X3-X-P (W/ P&P PAD)	PT-1-24-13-09	TP-24
-X1-K	PT-1-24-13-09	TP-24
-X2-K	PT-1-24-14-09	TP-24-02

FIG. 7

-LC: LOCKING CLIP OPTION  
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)  
(ALTERNATE CONSTRUCTION SHOWN)



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DESCRIPTION:  
.050 [1.27] x .050 [1.27] LOCKING SOCKET ASSEMBLY

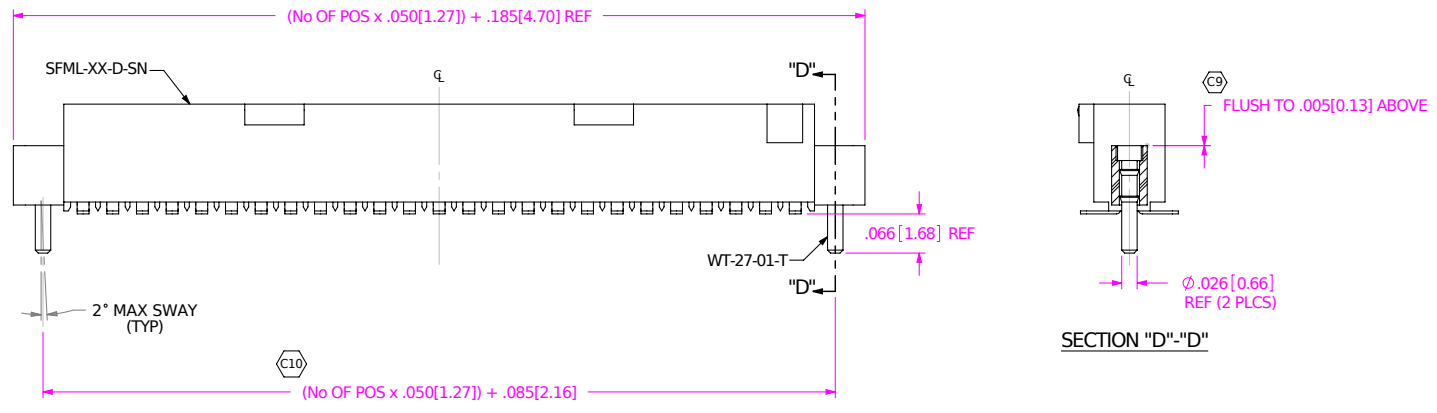
SHEET SCALE: 3:1

DWG. NO.  
**SFML-1XX-XX-XXX-D-XX**

BY: BRATCHER 4/19/99 SHEET 3 OF 4

REVISION X

**FIG. 8**  
 -SN: SOLDER NAIL OPTION  
 (SHOWN: SFML-125-02-XXX-D-SN  
 (SAME AS FIG. 1, UNLESS OTHERWISE STATED)  
 (ONLY AVAILABLE ON -X2 LEAD STYLES)



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	<p>DESCRIPTION:          .050 [1.27] x .050 [1.27] LOCKING SOCKET ASSEMBLY</p>	
	<p>DWG. NO.  <b>SFML-1XX-XX-XXX-D-XX</b></p>	
	<p>BY: BRATCHER 4/19/99</p>	<p>SHEET 4 OF 4</p>

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