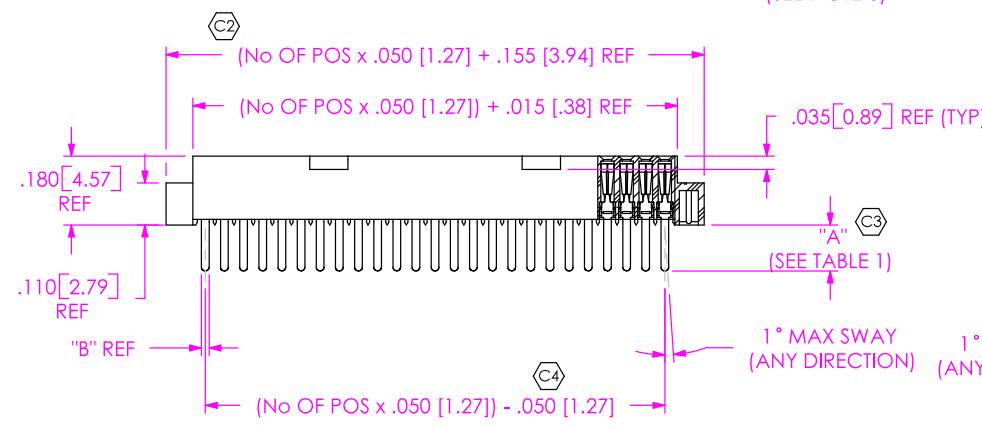
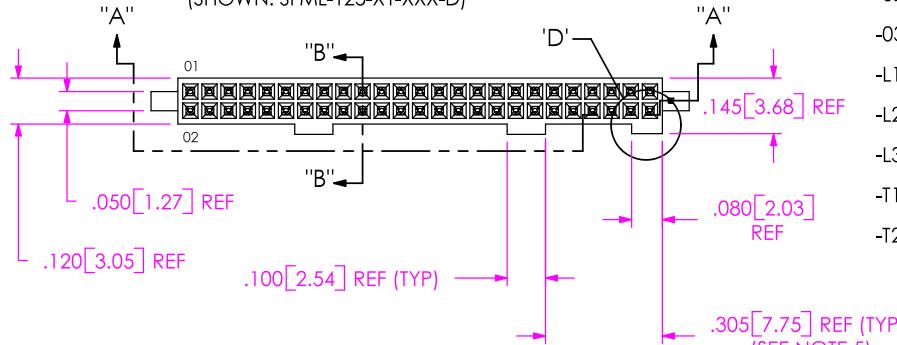


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TABLE 1		
STYLE	"A"	"B"
-X1	.120 [3.05]	.020 [.51]
-X3	.075 [1.91]	.016 [.41]

FIG. 1

THROUGH HOLE/STRAIGHT MODIFIED  
(SHOWN: SFML-125-X1-XXX-D)

SECTION "A"-A"

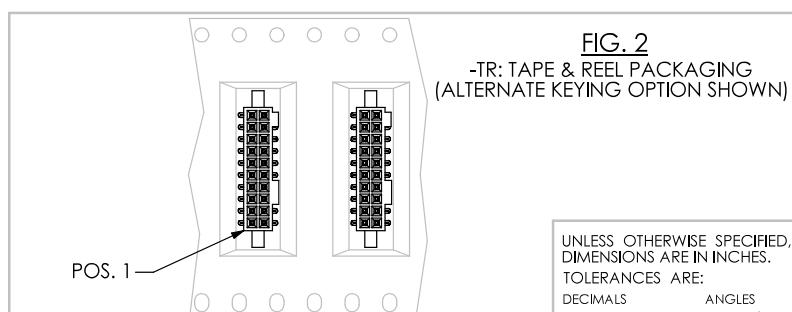
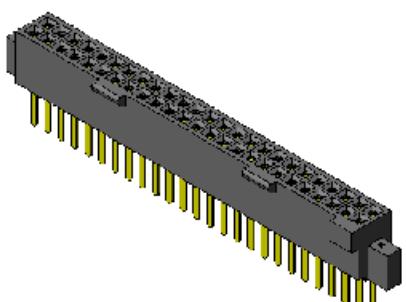


FIG. 2

-TR: TAPE & REEL PACKAGING  
(ALTERNATE KEYING OPTION SHOWN)

USER DIRECTION OF UNREELING →

SEE NOTE 6

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

## OPTIONS

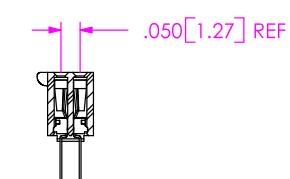
- (LEAVE BLANK FOR STANDARD AND USE SFML-XX-D)
- A: ALIGNMENT PIN (USE SFML-XX-D-A) (SEE FIG 5, SHT 3)
- LC: LOCKING CLIP (SEE FIG 7, SHT 3) (USE (2) LC-05-TM & SFML-XX-D)
- P: PICK & PLACE PAD (SEE FIG 6, SHT 3) (USE PPP-02)
- TR: TAPE & REEL PACKAGING (SEE FIG 2, SHT 1)
- K: POLYAMIDE FILM PAD (USE 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



SECTION "B"-B"

## NOTES:

1. REPRESENTS A CRITICAL DIMENSION.
2. COPLANARITY: .004 [.10] FOR POS. 10 THRU 26 .006 [.15] FOR POS. 27 THRU 50
3. MINIMUM PUSHOUT FORCE: .5 LB.
4. MAXIMUM ALLOWABLE BOW: .002 INCH/INCH [MM/MM] AFTER ASSEMBLY.
5. 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 [.08].
9. TUBE PARTS WITH NOTCH TOWARD ARROW.

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES.  
TOLERANCES ARE:  
DECIMALS .XX: ±.01 [.3]  
XXX: ±.005 [.13]  
XXXX: ±.0020 [.051]

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## MATERIAL:

INSULATOR: VECTRA E130i  
CONTACT: BeCu  
PHOS BRONZE

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

**S A M T E C**  
520 PARK EAST BLVD, NEW ALBANY, IN 47150

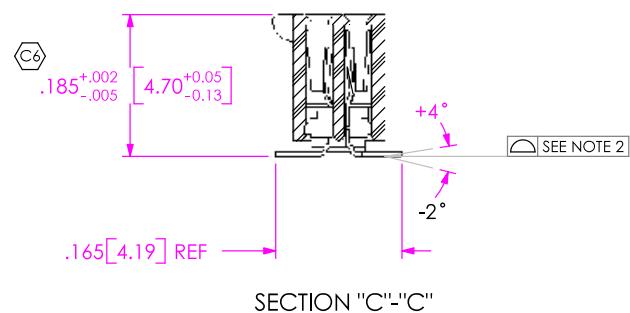
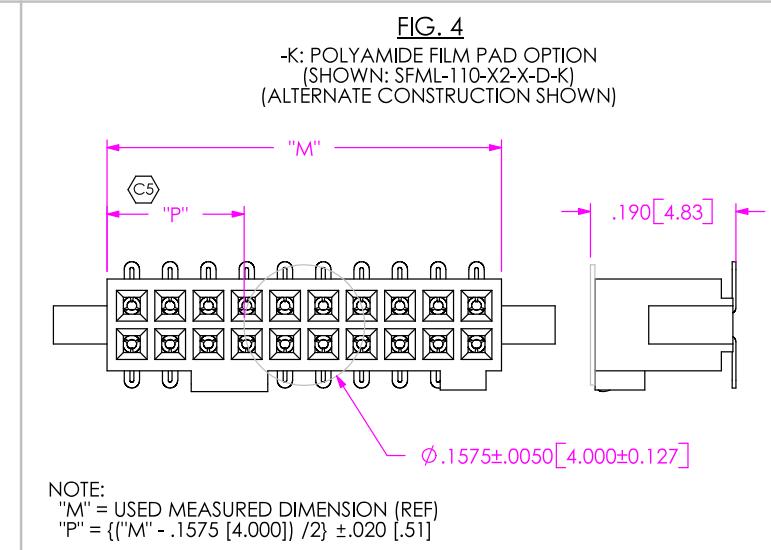
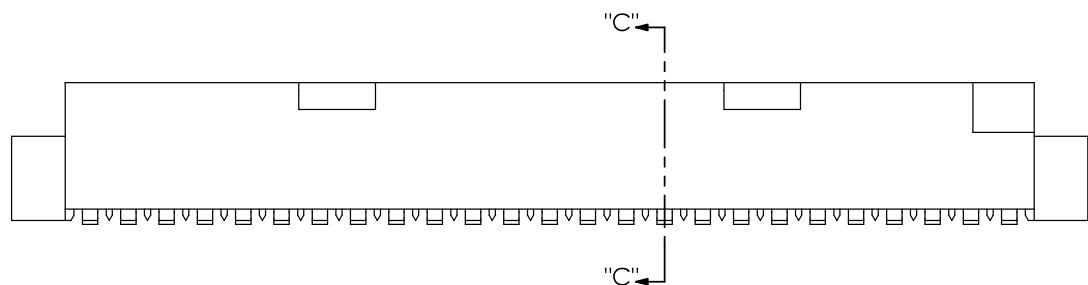
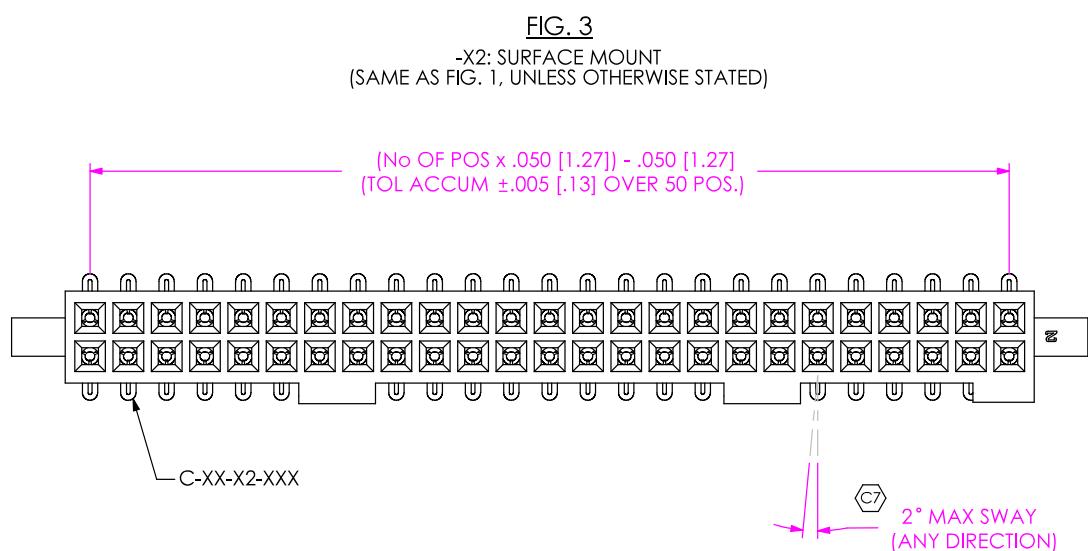
\* PHONE: 812.944.6733 FAX: 812.948.5047  
e-Mail: [INFO@SAMTEC.COM](mailto:INFO@SAMTEC.COM) CODE: 55322

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 1 OF 4

**SECTION "C"-C**

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--	--

FIG. 5

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

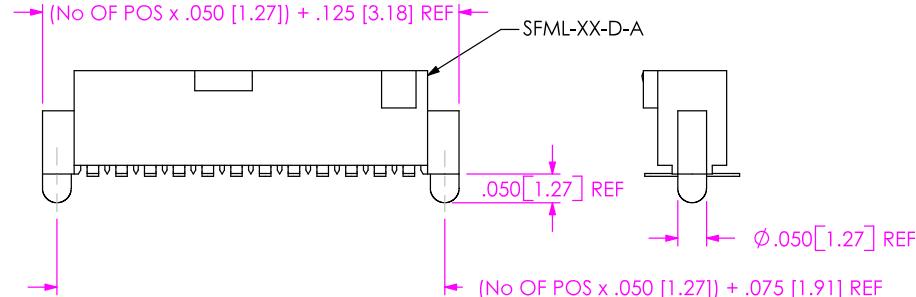


FIG. 6

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

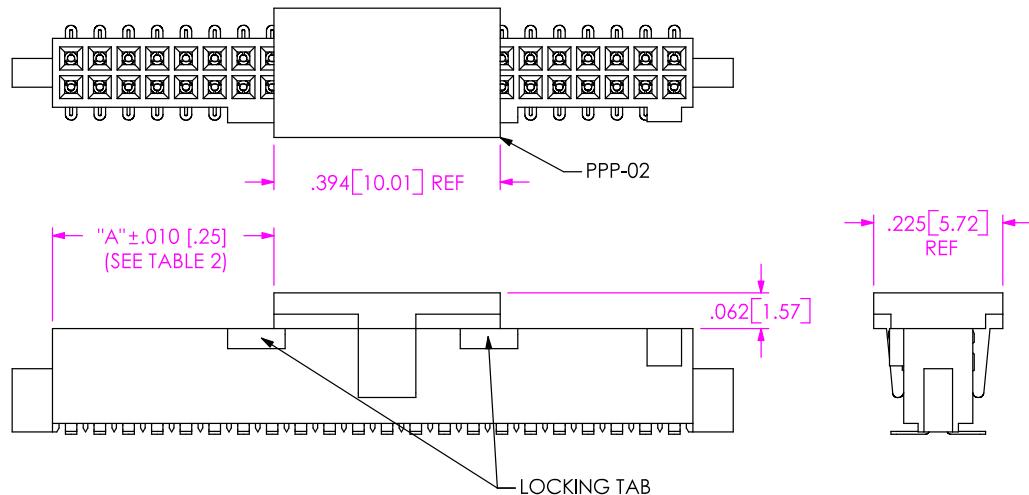


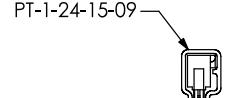
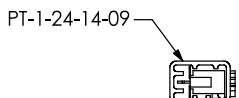
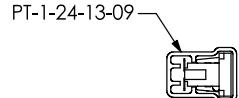
TABLE 2

POS.	"A"
ODD ABOVE -19	$\{(No\ OF\ POS\ x\ .050\ [1.27])\ / 2\} - .1895\ [4.813]$
EVEN ABOVE -18	$\{(No\ OF\ POS\ x\ .050\ [1.27])\ / 2\} - .2145\ [5.448]$
-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]

## PACKAGE PARTS IN TUBES AS SHOWN

(SEE NOTE 9)

SAMTEC → ANTI-STATIC



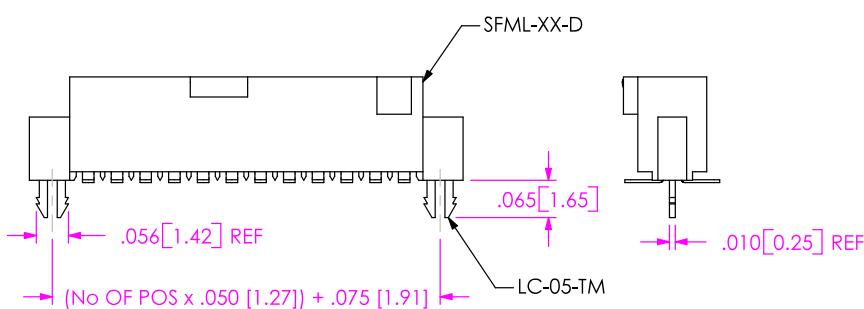
SAMTEC → ANTI-STATIC

SAMTEC → ANTI-STATIC

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

FIG. 7

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



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e-Mail: [INFO@SAMTEC.COM](mailto:INFO@SAMTEC.COM) CODE: 55322

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

DWG. NO.

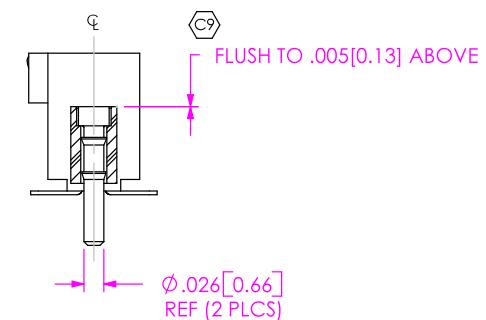
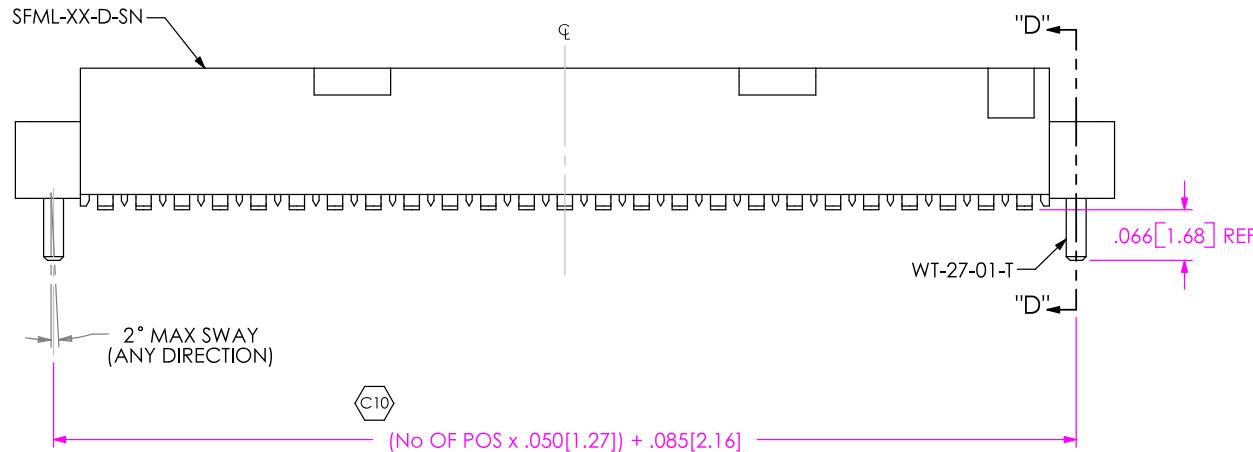
SFML-1XX-XX-XXX-D-XX

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SHEET 3 OF 4

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)  
 \* = NOT RELEASED FOR PRODUCTION



SECTION "D"-D"

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DWG. NO.

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