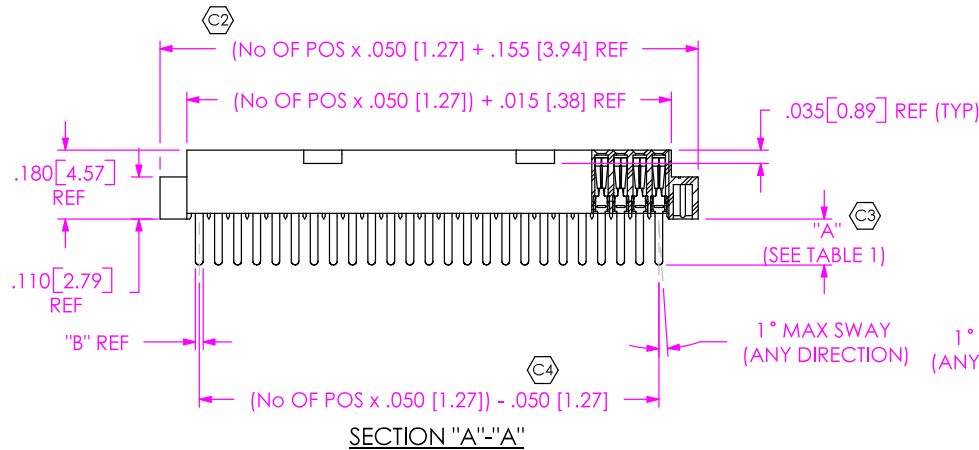
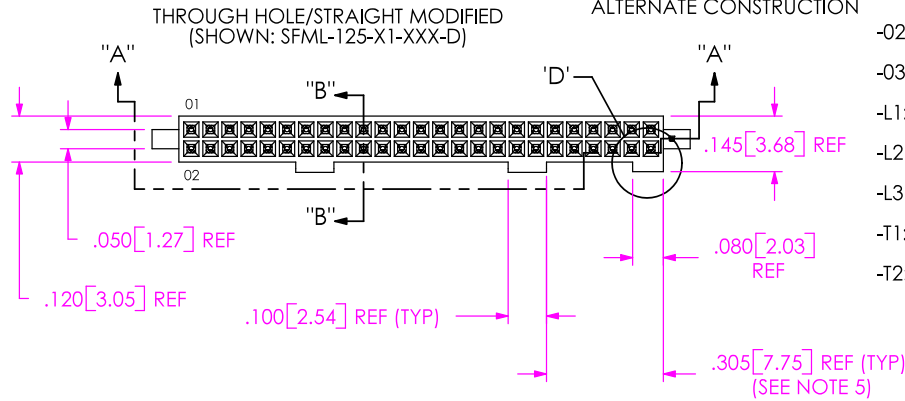


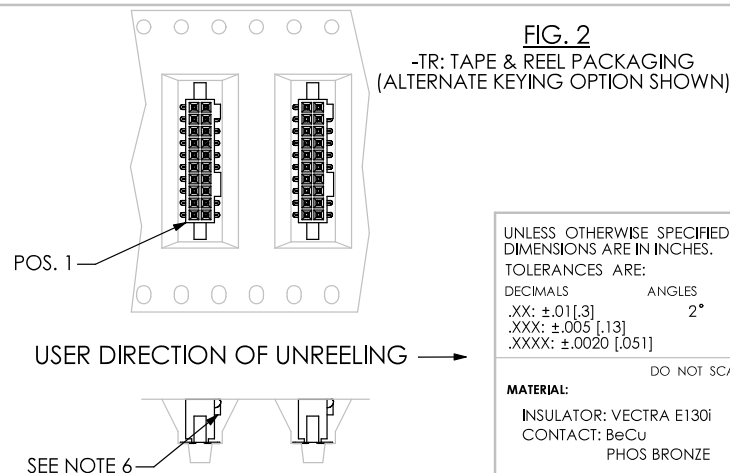
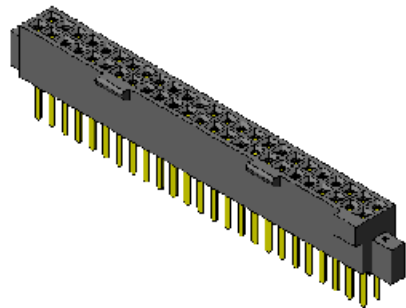
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TABLE 1		
STYLE	"A"	"B"
-X1	.120 [3.05]	.020 [.51]
-X3	.075 [1.91]	.016 [.41]

FIG. 1



SECTION "A"-"A"



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

## No OF POSITIONS

-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)

\* = NOT RELEASED FOR  
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## OPTIONS

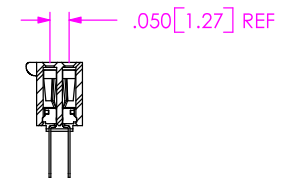
- (LEAVE BLANK FOR STANDARD AND USE SFML-XX-D)
- A: ALIGNMENT PIN (USE SFML-XX-D-A) (SEE FIG 5, SHT 3)
- LC: LOCKING CLIP (SEE FIG 7, SHT 3) (USE (2) LC-05-TM & SFML-XX-D)
- P: PICK & PLACE PAD (SEE FIG 6, SHT 3) (USE PPP-02)
- TR: TAPE & REEL PACKAGING (SEE FIG 2, SHT 1)
- K: POLYAMIDE FILM PAD (USE 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. C2 REPRESENTS A CRITICAL DIMENSION.
2. COPLANARITY: .004 [.10] 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 -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 ANGLES  
.XX: ±.01 [.3]  
.XXX: ±.005 [.13]  
.XXXX: ±.0020 [.051]

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## MATERIAL:

INSULATOR: VECTRA E130I  
CONTACT: BeCu  
PHOS BRONZE

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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](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

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

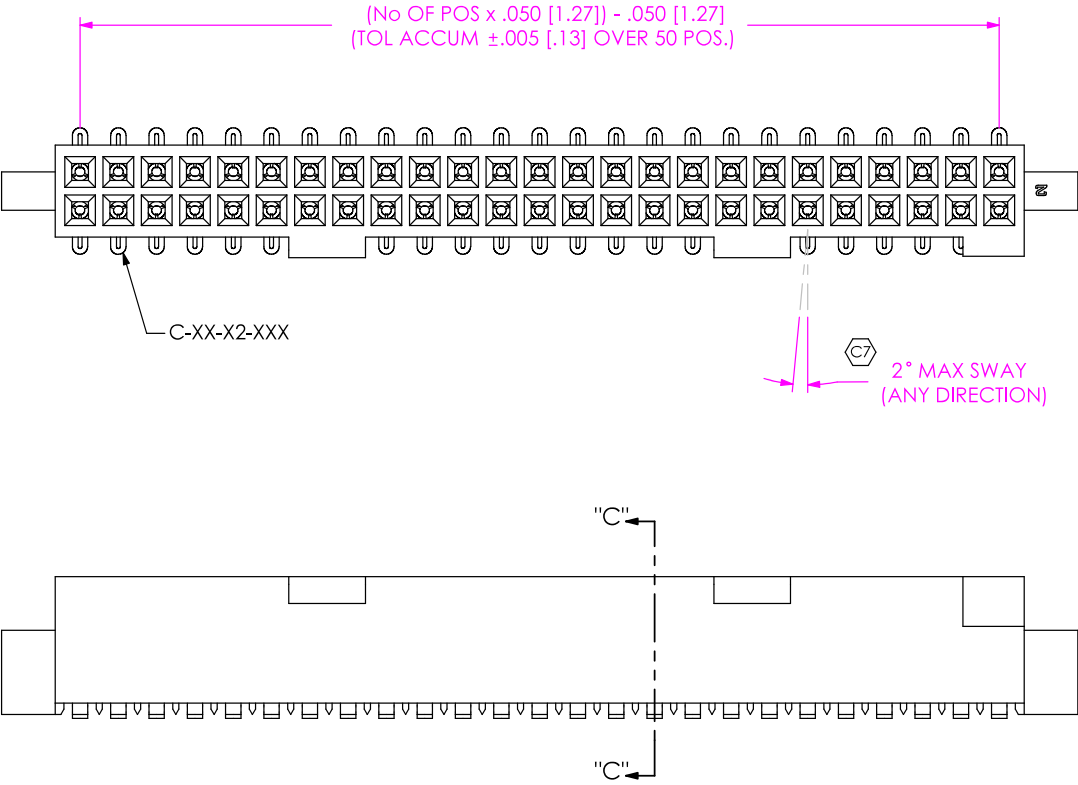
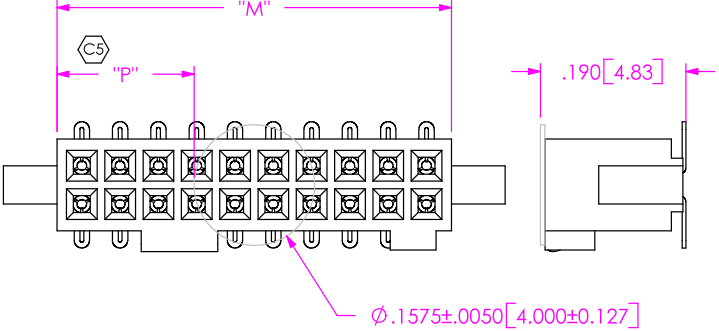
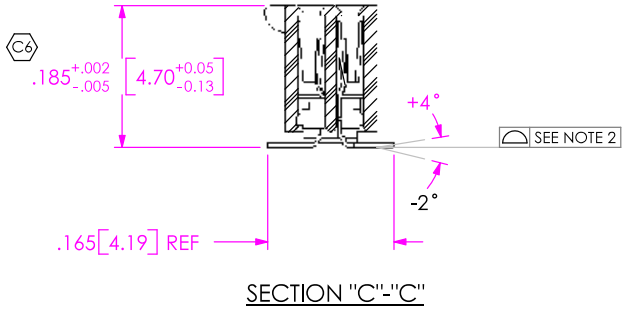


FIG. 4  
-K: POLYAMIDE FILM PAD OPTION  
(SHOWN: SFML-110-X2-X-D-K)  
(ALTERNATE CONSTRUCTION SHOWN)



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



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	<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 2 OF 4</p>

FIG. 5

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

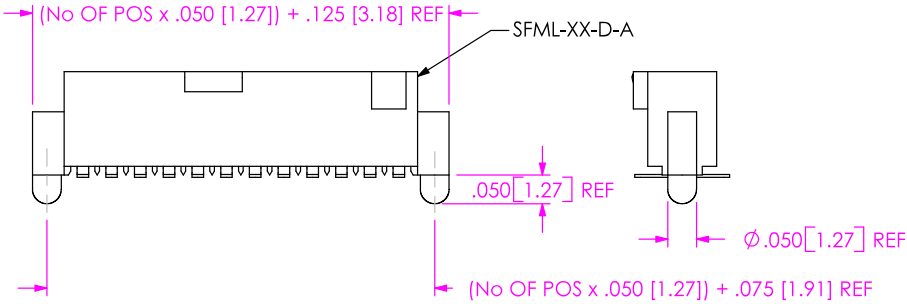


FIG. 6

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

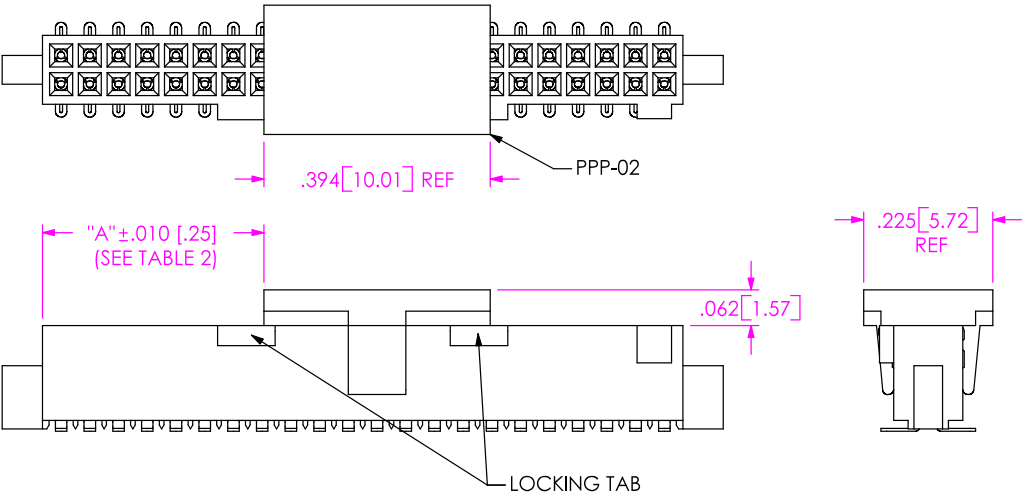
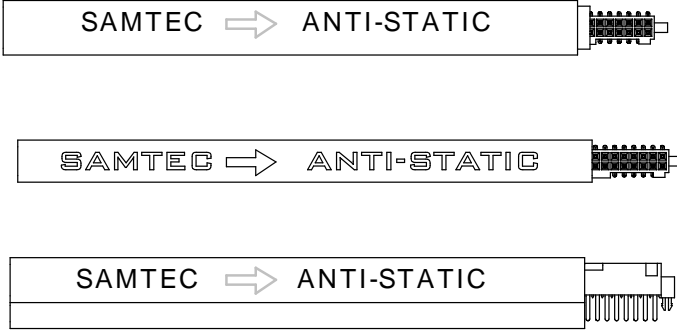
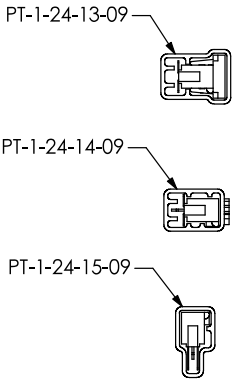


TABLE 2

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]

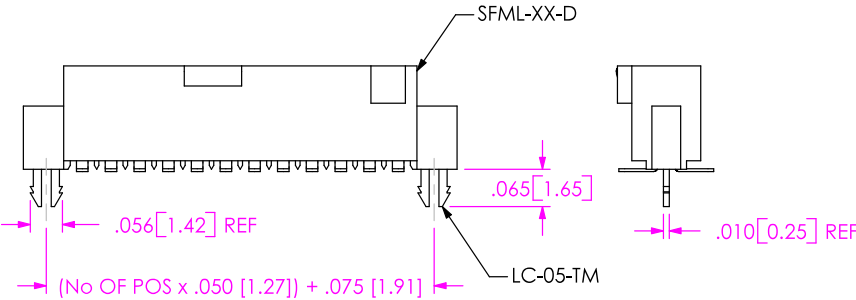
PACKAGE PARTS IN TUBES AS SHOWN  
(SEE NOTE 9)



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

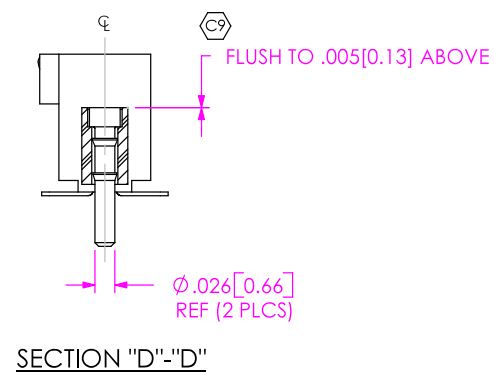
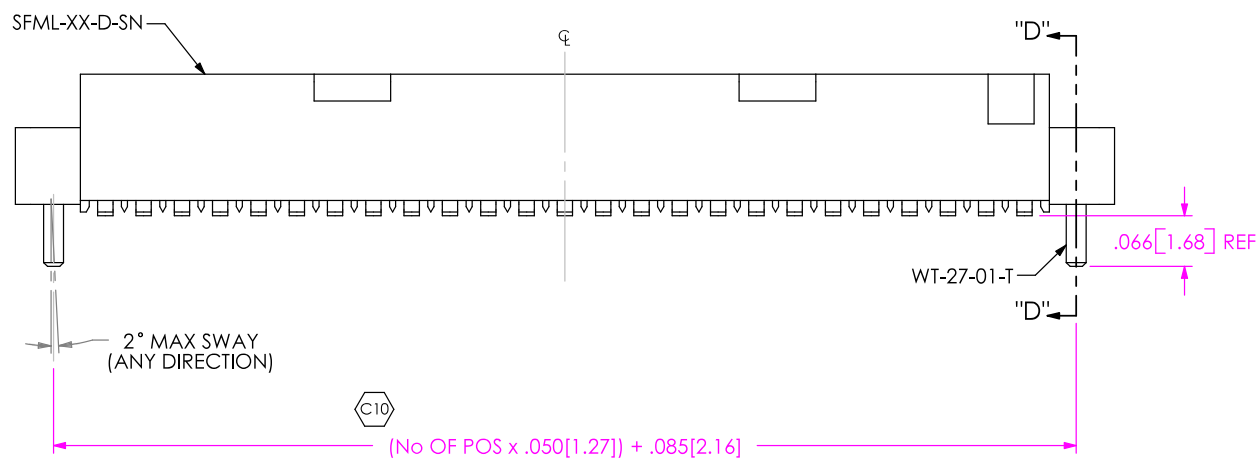
DESCRIPTION:  
.050 [1.27] x .050 [1.27] LOCKING SOCKET ASSEMBLY

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

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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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