

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

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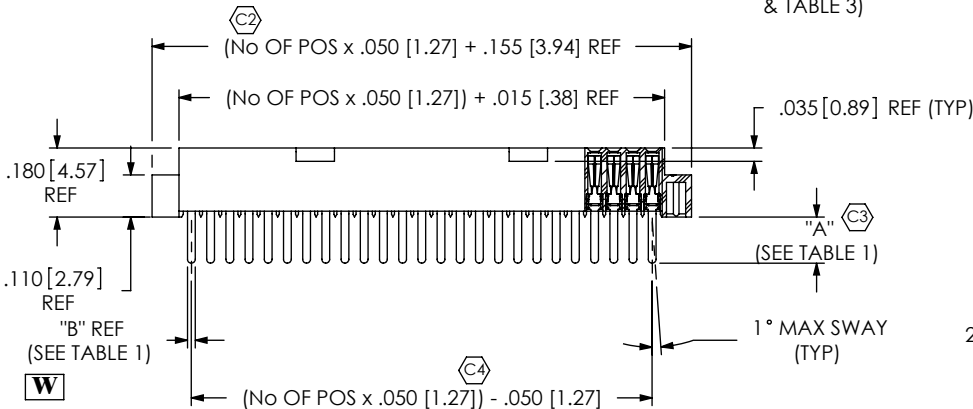
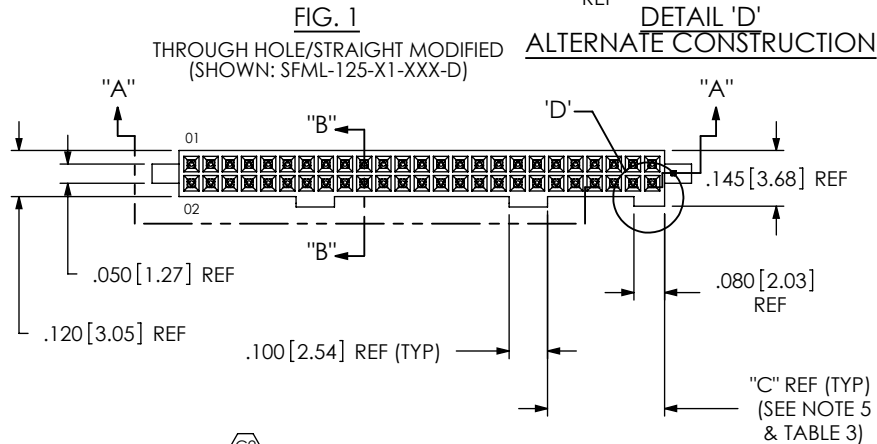
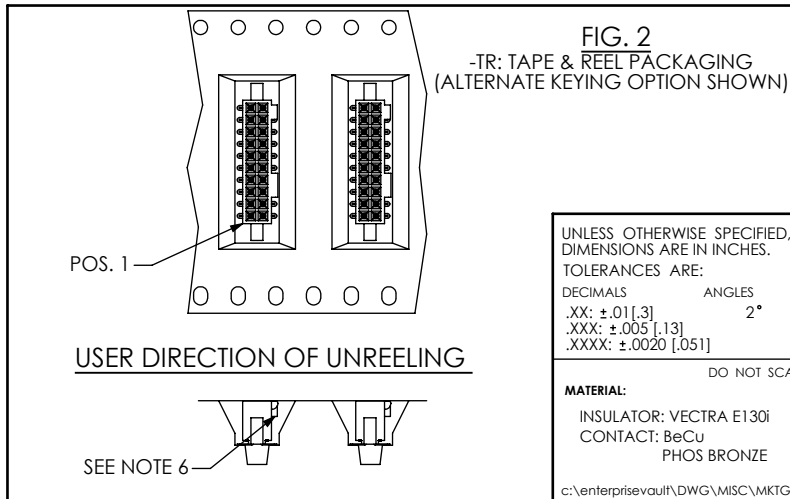
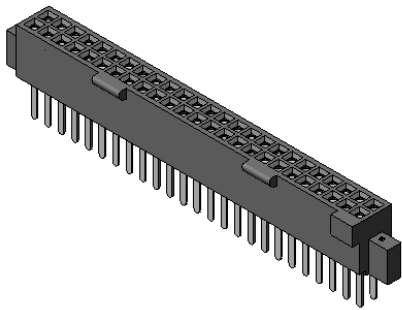


TABLE 3 (SEE NOTE 5)

NO OF POS.	"C"
-05	.080
-10 THRU -50	.305



- 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)

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

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

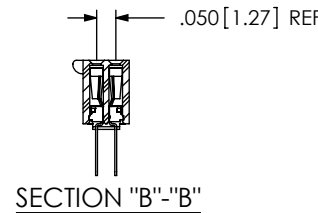
- OPTIONS
- (LEAVE BLANK FOR STANDARD AND USE SFML-XX-D)
- A: ALIGNMENT PIN (USE SFML-XX-D-A) (SEE FIG 5, SHT 3)
 - LC: LOCKING CLIP (SEE FIG 7, SHT 3) (USE (2) LC-05-TM & SFML-XX-D)
 - P: PICK & PLACE PAD (SEE FIG 6, SHT 3) (USE PPP-02)
 - TR: TAPE & REEL PACKAGING (SEE FIG 2, SHT 1)
 - K: POLYIMIDE 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:
- REPRESENTS A CRITICAL DIMENSION.
 - COPPLANARITY: .004 [0.10] FOR POS. 10 THRU 26
.006 [0.15] FOR POS. 27 THRU 50
 - MINIMUM PUSHOUT FORCE: .5 LB.
 - MAXIMUM ALLOWABLE BOW: .002 INCH/INCH [MM/MM] AFTER ASSEMBLY.
 - POSITIONS -05 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.
 - SEE NOTCH FOR PROPER ORIENTATION.
 - PINS CAN BE ORIENTED IN ANY DIRECTION; BOTH ROWS MUST FACW SAME WAY.
 - MAXIMUM PIN HEIGHT VARIATION BETWEEN ANY TWO ROWS: .003[.08].
 - 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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PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 53322

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

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

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

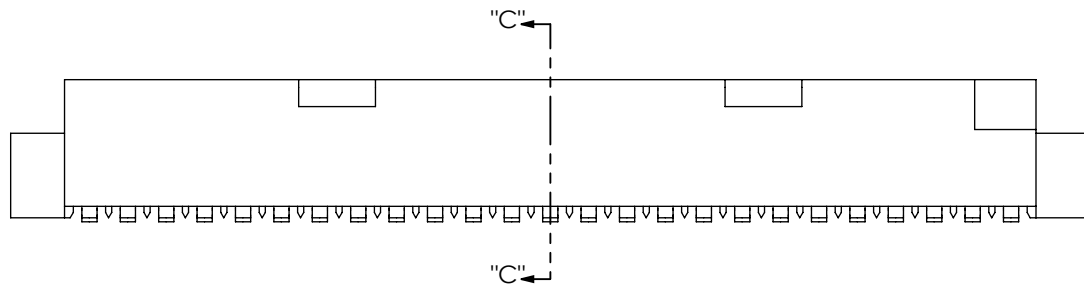
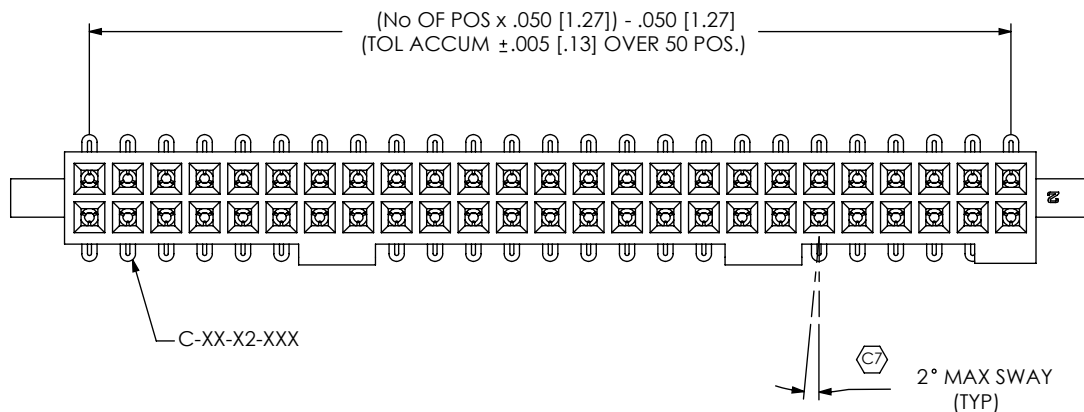
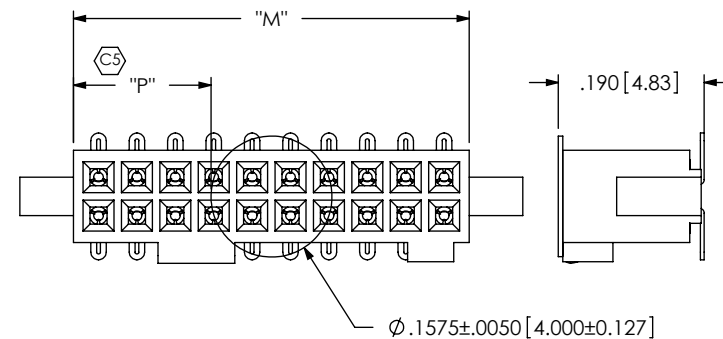
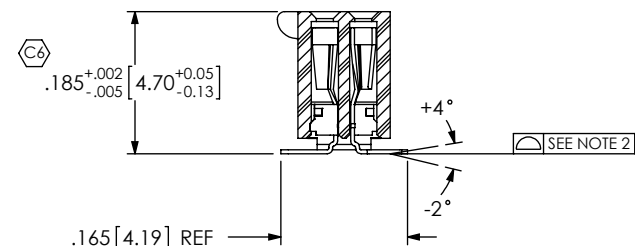


FIG. 4
-K: POLYIMIDE FILM PAD OPTION
(SHOWN: SFML-110-X2-X-D-K)
(ALTERNATE CONSTRUCTION SHOWN)



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



SECTION "C"-"C"

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.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 W

FIG. 5

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

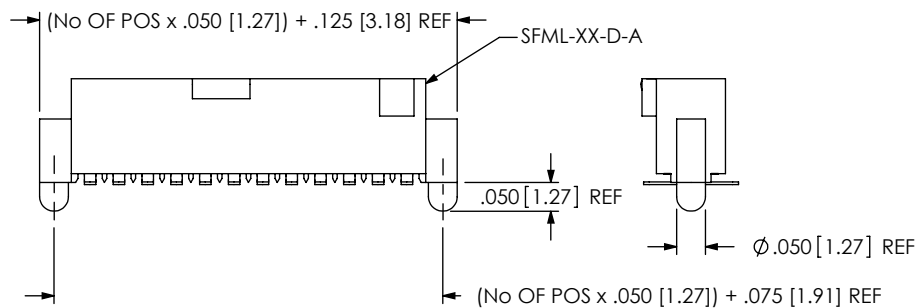


FIG. 6

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

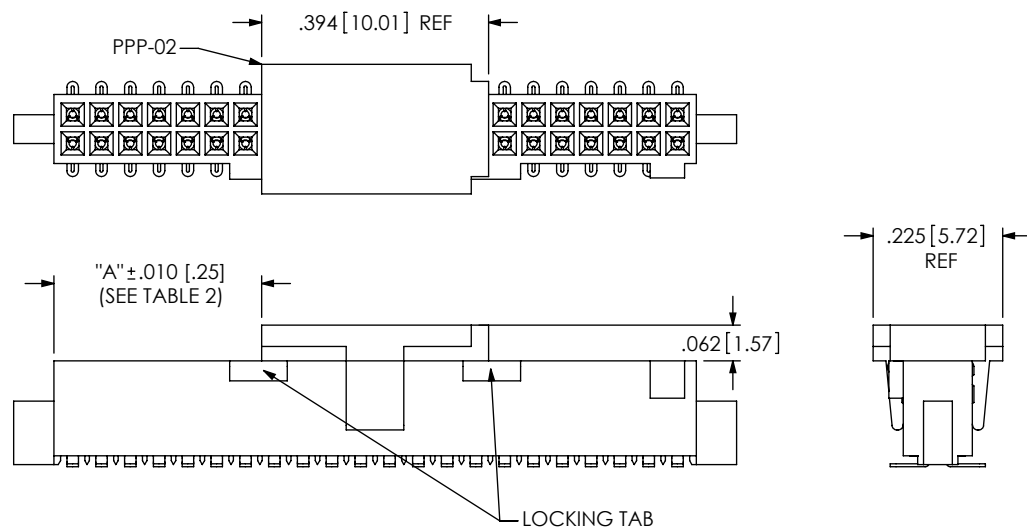
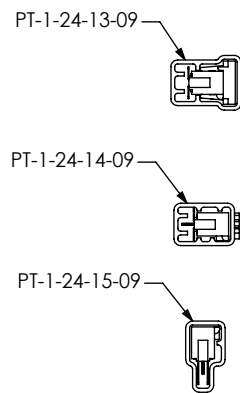


TABLE 2

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]}
-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)



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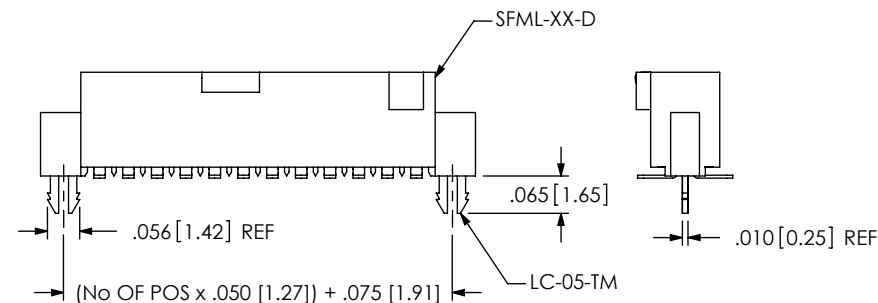
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SAMTEC ➡ **ANTI-STATIC**

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
-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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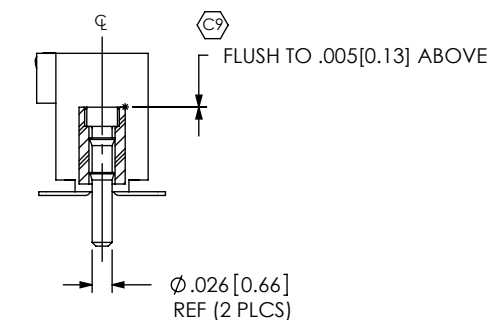
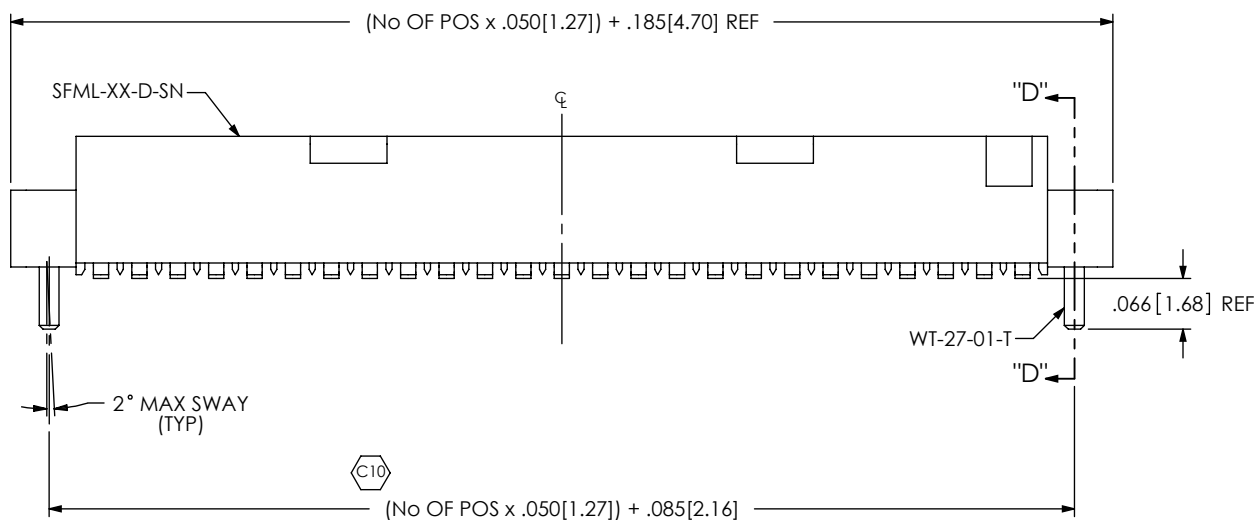
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SHEET 3 OF 4

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)



SECTION "D"- "D"

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