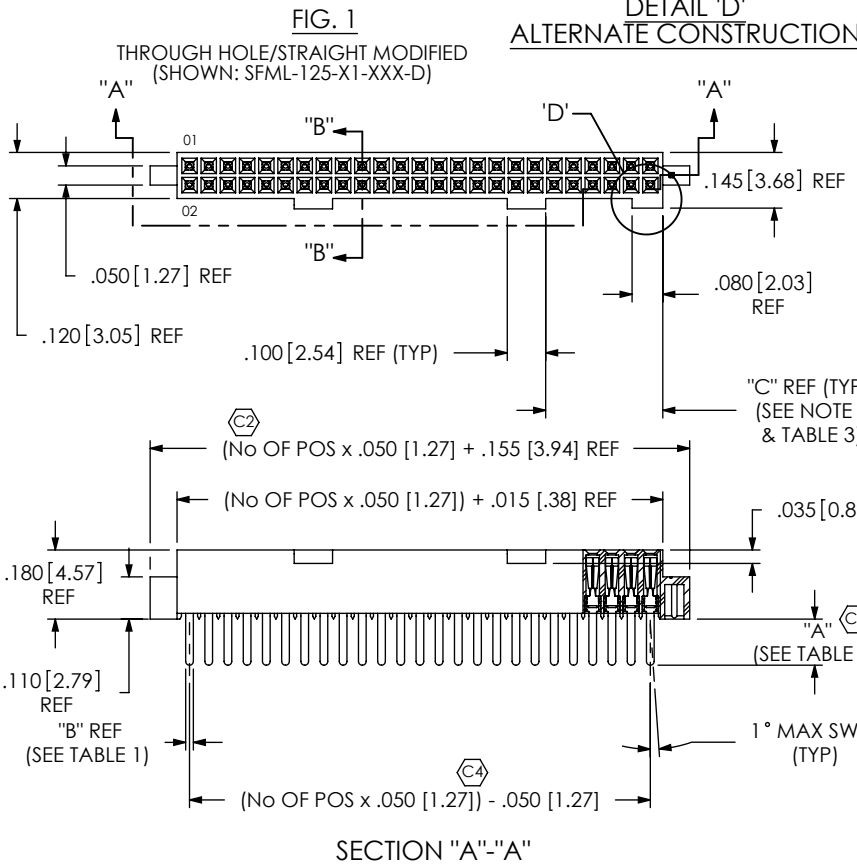
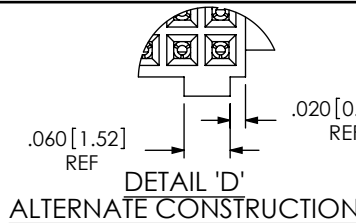


TABLE 1		
STYLE	"A"	"B"
-X1	.120 [3.05]	.020 [.51]
-X3	.075 [1.91]	.016 [.41]

DO NOT SCALE FROM THIS PRINT

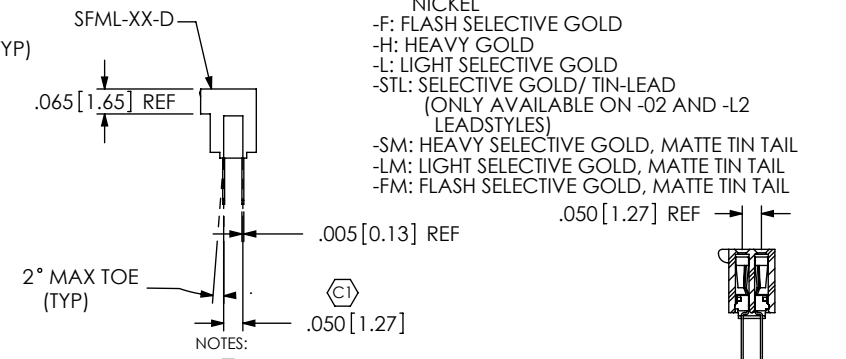


SECTION "A"- "A"



- SFML-1XX-XX-XXX-D-XXX**
- 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) (SEE NOTE 9)
  - P: PICK & PLACE PAD (SEE FIG 6, SHT 3) (USE PPP-02) (NOT AVAILABLE IN 5 POS)
  - TR: TAPE & REEL PACKAGING (N/A with -X1 AND -X3 LEAD STYLE, 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)
  - SN2: SOLDER NAIL FOR .093 BOARD
  - AB**: USE SFML-XX-D-SN & WT-27-02-T (SEE FIG 8, SHT 4) (ONLY AVAILABLE WITH -02, L2, AND T2 LEAD STYLE. NOT AVAILABLE WITH -A, -LC OPTIONS)
- 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

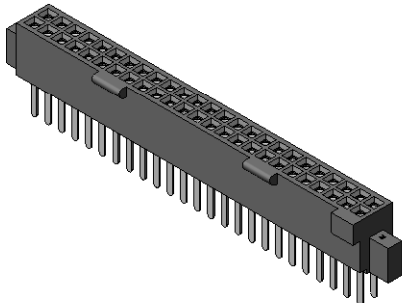
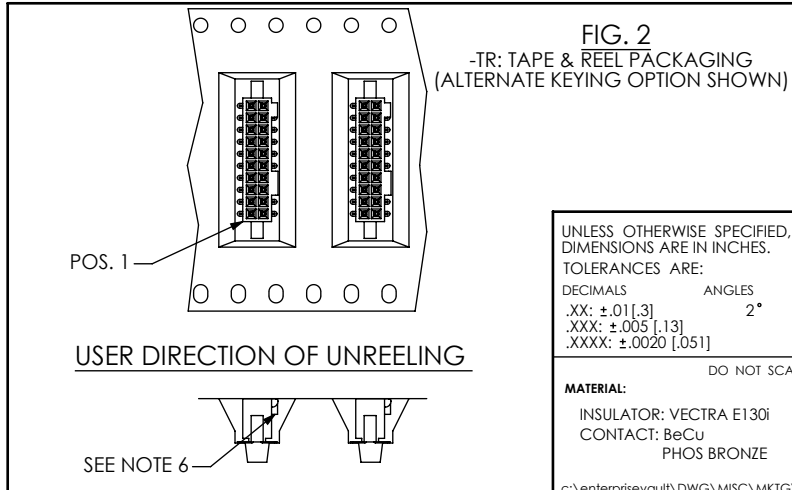


SECTION "B"- "B"

- NOTES:**
1.  $\text{C}$  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 -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[.08].
  9. DUE TO THE HIGH AMOUNT OF INSERTION FORCE NEEDED, THE -LC OPTION IS NOT COMPATIBLE WITH AUTO PLACEMENT. SAMTEC RECOMMENDS MANUAL PLACEMENT FOR ALL ASSEMBLIES WITH THE -LC OPTION.
  10. TUBE PARTS WITH NOTCH TOWARD ARROW.

**TABLE 3 (SEE NOTE 5)**

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



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

DECIMALS	ANGLES
.XX: ±.01 [.3]	2°
.XXX: ±.005 [.13]	
.XXXX: ±.0020 [.051]	

**MATERIAL:**  
INSULATOR: VECTRA E130I  
CONTACT: BeCu  
PHOS BRONZE

DO NOT SCALE DRAWING SHEET SCALE: 2:1

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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-XXX**

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

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

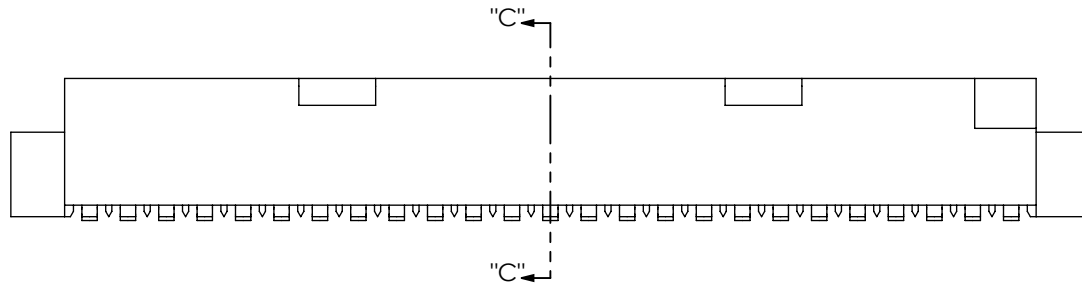
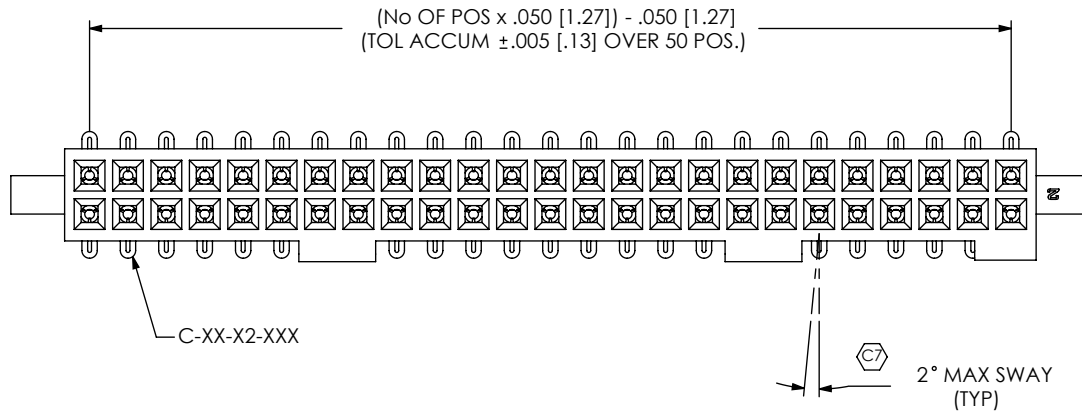
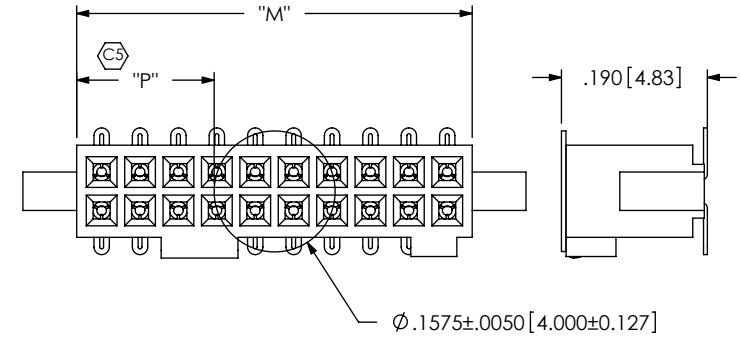
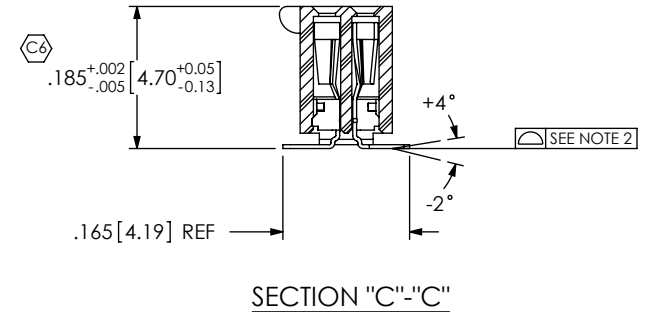


FIG. 4  
 -K: POLYIMIDE FILM PAD OPTION  
 (SHOWN: SFML-110-X2-X-D-K)  
 (ALTERNATE CONSTRUCTION SHOWN)



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



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	<p>DESCRIPTION:                  .050 [1.27] x .050 [1.27] LOCKING SOCKET ASSEMBLY</p>	
	<p>DWG. NO.  <b>SFML-1XX-XX-XXX-D-XXX</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)

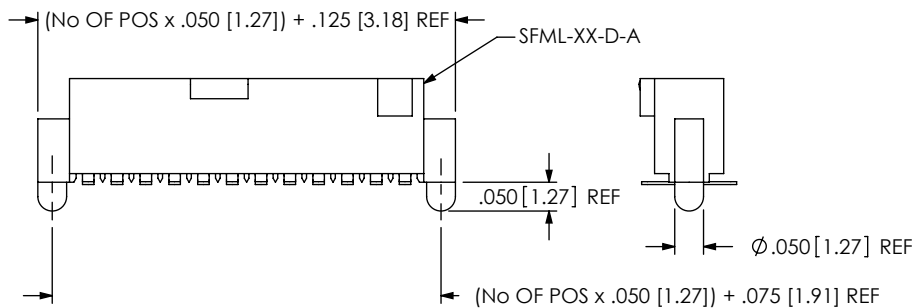


FIG. 6

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

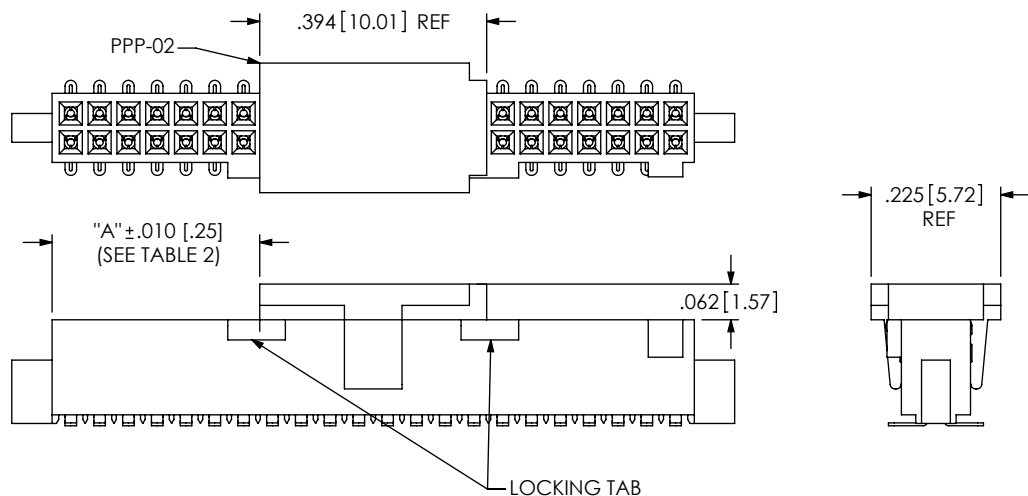
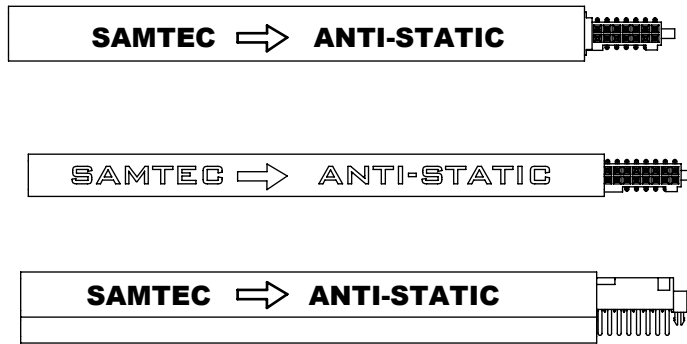
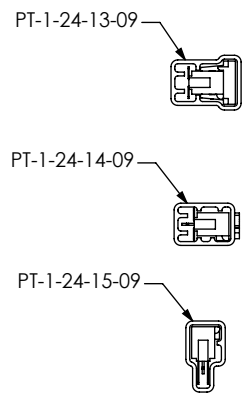


TABLE 2

POS.	"A"
-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]

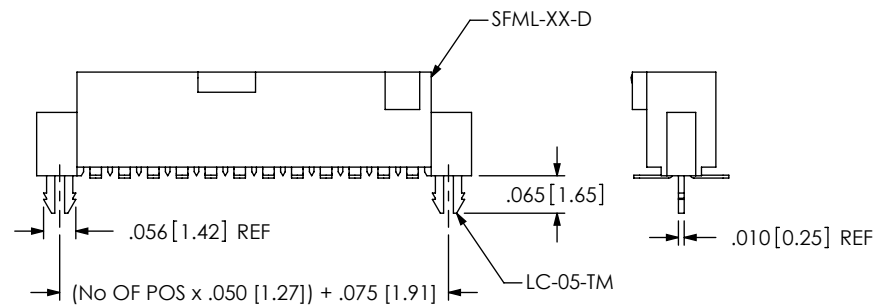
PACKAGE PARTS IN TUBES AS SHOWN  
(SEE NOTE 9)



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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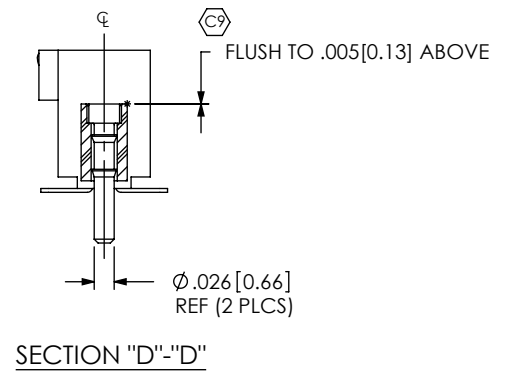
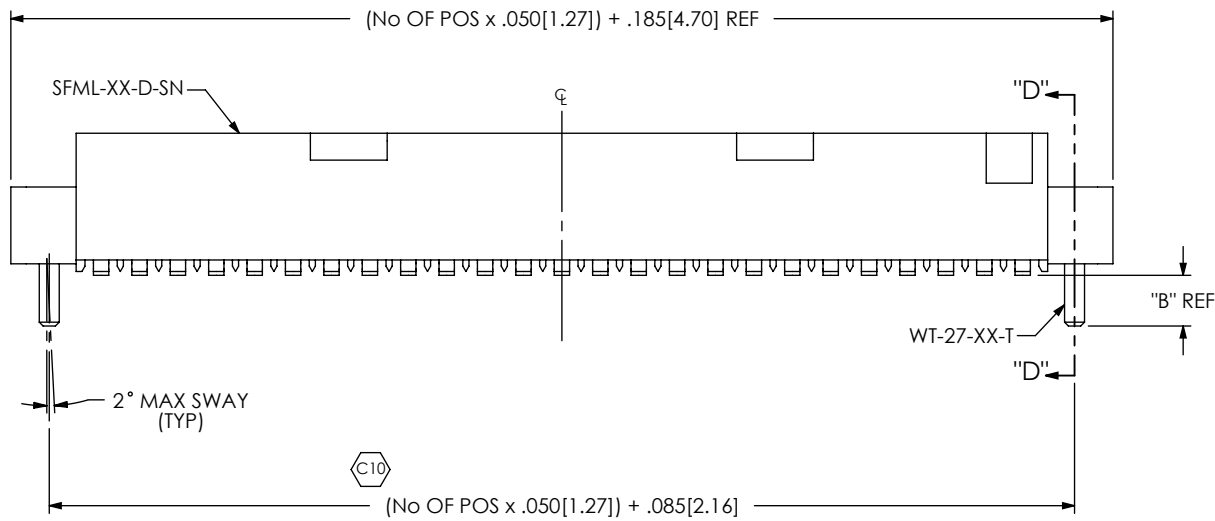
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e-Mail: info@SAMTEC.com code: 55322

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

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

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



OPTION	"B"
-SN	.066[1.68]
SN2	.101[1.80]

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