

DO NOT
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TABLE 1		
STYLE	"A"	"B"
-X1	.120 [3.05]	.020 [.51]
-X3	.075 [1.91]	.016 [.41]

TABLE 3 (SEE NOTE 5)	
NO OF POS.	"C"
-05, -07	.080 [2.03]
-10 THRU -50	.305 [7.75]

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

No OF POSITIONS

-05, -07, -08, -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)

PACKAGING

- BLANK: TUBES (SEE NOTE 11)
 -TR: TAPE & REEL (SEE NOTES 12 & 13)
 -FR: FULL REEL QTY TAPE & REEL
(SEE NOTES 12 & 13)
 (-XR N/A WITH -X1 AND -X3 LEAD STYLE,
SEE FIG 2, SHT 2)

PICK AND PLACE OPTION

- P: PICK & PLACE PAD (SEE FIG 6, SHT 3)
(USE PPP-02) (NOT AVAILABLE IN 5 POS)
 -K: POLYIMIDE FILM PAD (SEE FIG 4, SHT 2)
(USE K-DOT-.157-.250-.005)

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)
 -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
(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: 30μ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
 -F: 3μ" FLASH SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
 -H: 50μ" HEAVY GOLD IN CONTACT AREA, 3μ" GOLD ON TAIL
 -L: 10μ" LIGHT SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
 -STL: 30μ" SELECTIVE GOLD IN CONTACT AREA,
TIN/LEAD (90/10+/-5%) TAIL (ONLY AVAILABLE ON
-02 AND -L2 LEADSTYLES)
 -SM: 30μ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
 -LM: 10μ" LIGHT SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
 -FM: 3μ" FLASH SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL

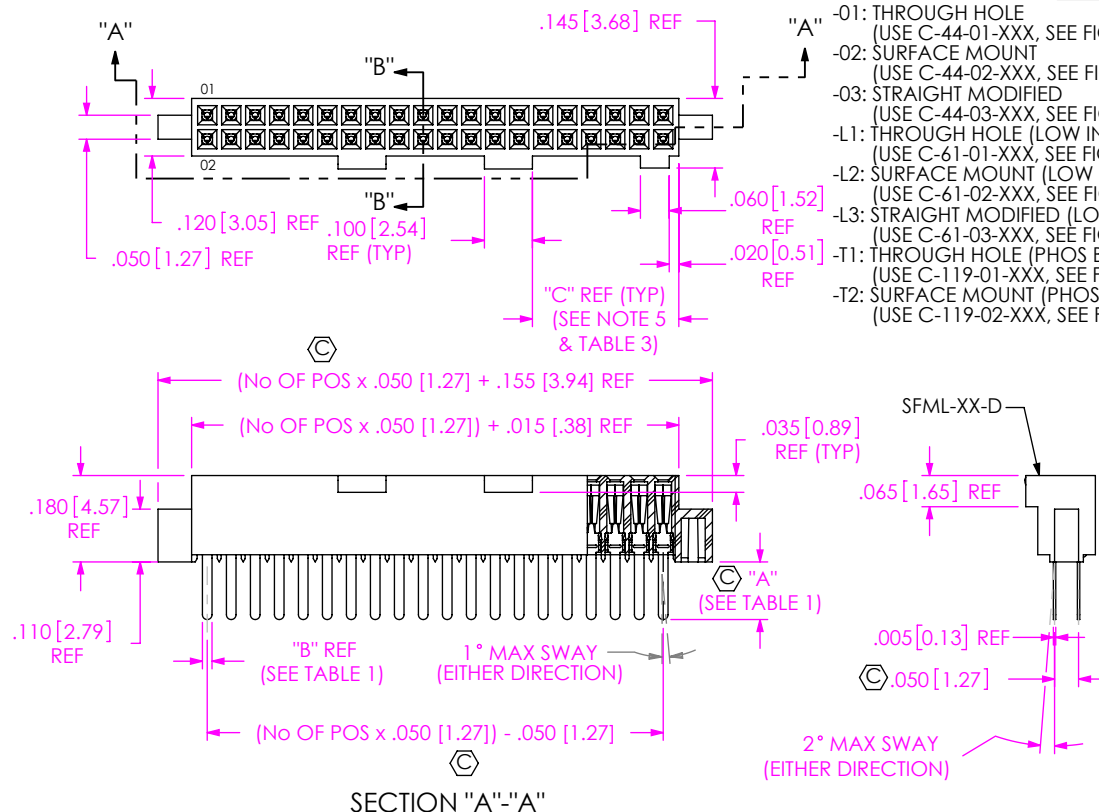


FIG 1
THROUGH HOLE/STRAIGHT MODIFIED
(SHOWN: SFML-120-X1-XXX-D)

NOTES:

1. REPRESENTS A CRITICAL DIMENSION.
2. COPLANARITY: .004 [.10] FOR POS. 04 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, 07 AND -08 WILL HAVE ONLY ONE LOCKING TAB AT DIMENSION SHOWN AND WILL NOT HAVE POLARIZATION NOTCH;
POSITIONS -10 THROUGH -24 WILL HAVE ONLY ONE LOCKING TAB AT DIMENSION SHOWN;
POSITIONS -25 THROUGH -34 WILL HAVE TWO LOCKING TABS AT DIMENSION SHOWN;
POSITIONS -35 THROUGH -50 WILL HAVE THREE LOCKING TABS: 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 FACE SAME WAY.
8. MAXIMUM PIN HEIGHT VARIATION: .003[0.08] FROM PIN TO PIN AND ROW TO ROW, MUST BE MEASURED BETWEEN ADJACENT PINS.
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 AND/OR LOCKING TAB TOWARD ARROW. NOTCH NOT AVAILABLE ON -05, -07 AND -08 POSITION PARTS.
11. TUBES ARE STANDARD PACKAGING.
12. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
13. ATTACH LABEL -4X2 TO EACH REEL.
14. LOAD VISION TRAYS WITH PIN #1 OPPOSITE STANDARD - AWAY FROM THE TERMINAL INDICATOR SIDE OF TRAY.

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS	ANGLES
.XX: ±.01 [0.3]	2°
.XXX: ±.005 [0.13]	
.XXXX: ±.0020 [0.051]	

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MATERIAL: DO NOT SCALE DRAWING

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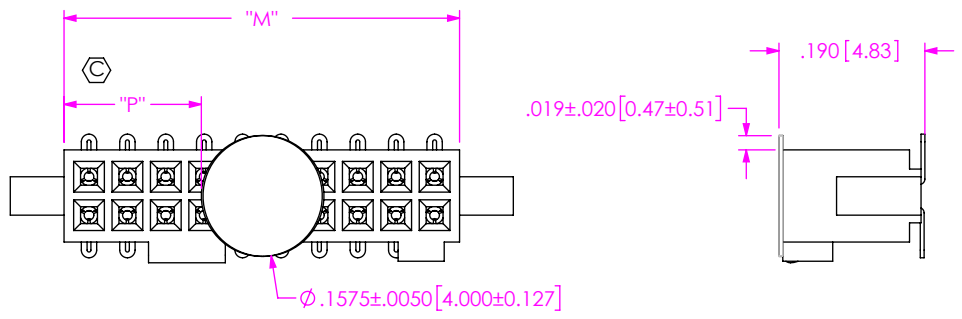
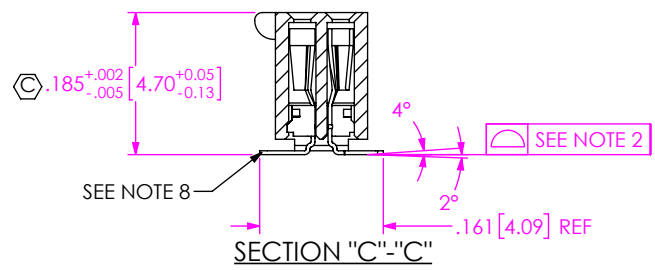
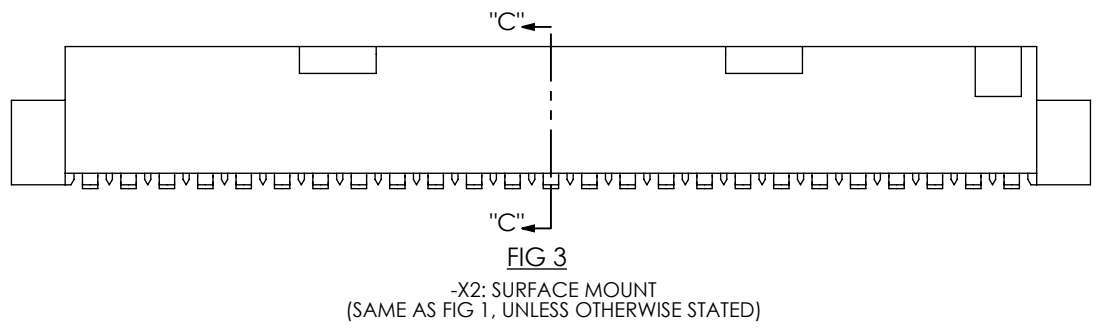
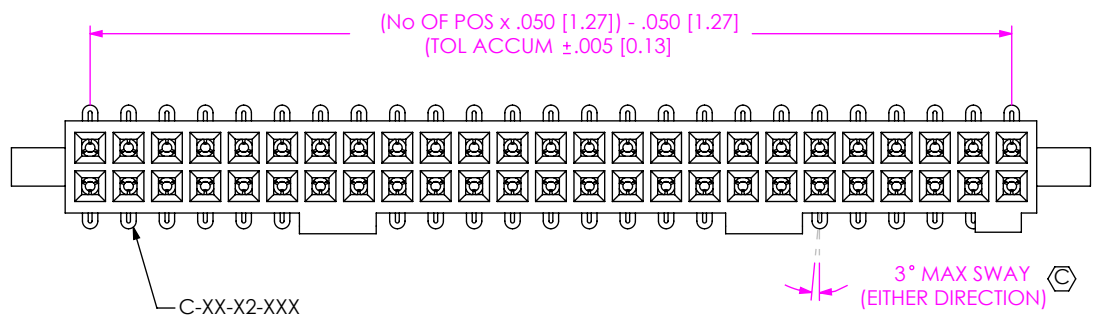
INSULATOR:
VETRA E130i, LCP UL 94 VO
COLOR: BLACK
CONTACT: BeCu
PHOS BRONZE

DESCRIPTION:
.050 [1.27] x .050 [1.27] LOCKING SOCKET ASSEMBLY
DWG. NO.

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

BY: BRATCHER 4/19/99

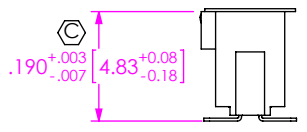
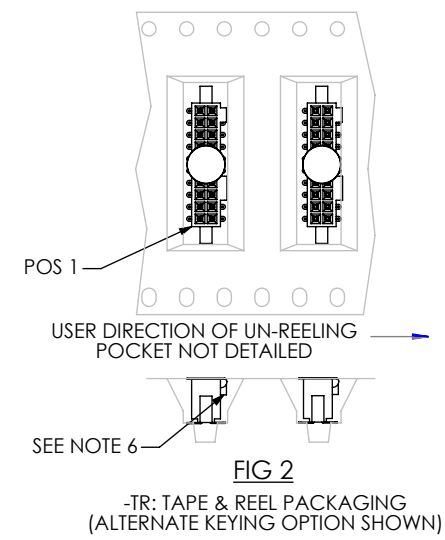
SHEET 1 OF 4



NOTE:
"M" = USED MEASURED DIMENSION (REF)
"P" = {("M" - .1575 [4.000]) / 2} ± .020 [0.51]

FIG 4

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



DIMENSION APPLIES PRIOR TO RE-PRESS,
SEE SECTION "C"- "C" FOR FINISHED DIMENSION

IN-PROCESS

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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-XXX-X-XX	
BY: BRATCHER 4/19/99	SHEET 2 OF 4

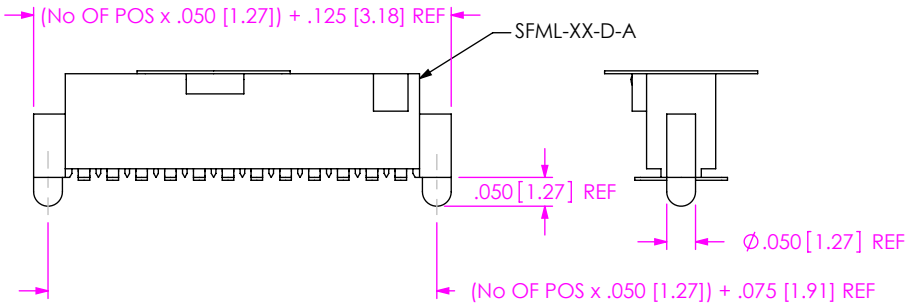


FIG 5
-A: ALIGNMENT PIN OPTION
(SAME AS FIG 1, UNLESS OTHERWISE STATED)
(ALTERNATE CONSTRUCTION SHOWN)

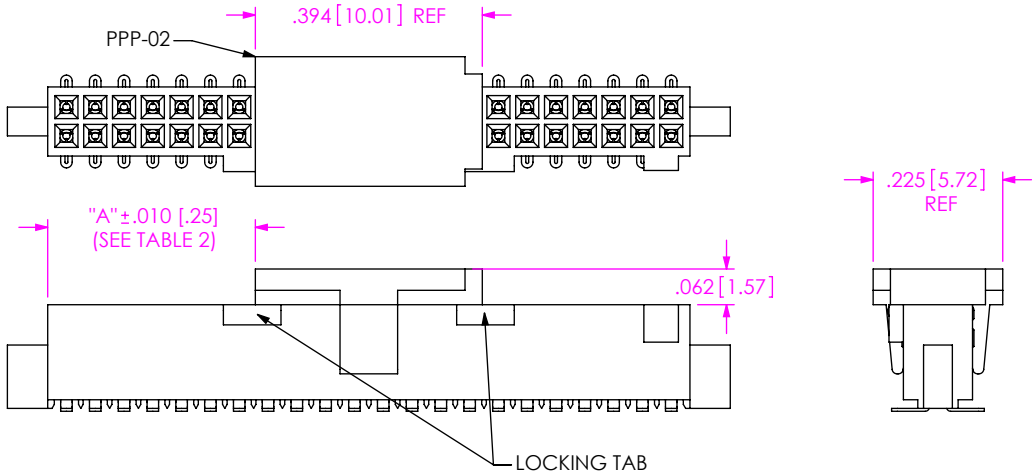
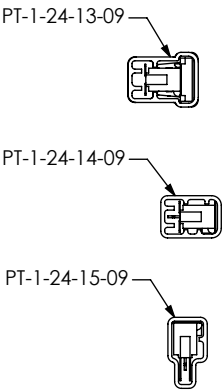
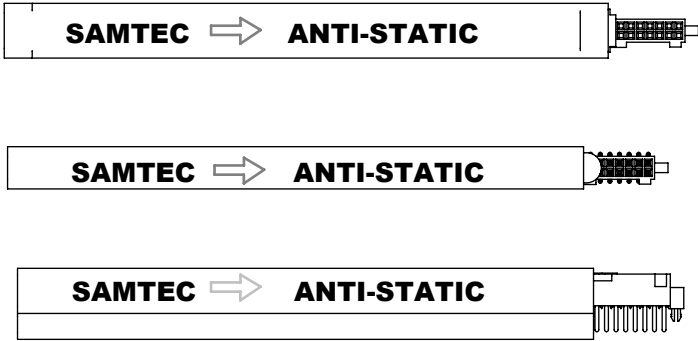


FIG 6
-P: PICK & PLACE PAD OPTION
(SAME AS FIG 1, UNLESS OTHERWISE STATED)
(ALTERNATE CONSTRUCTION SHOWN)

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 10)



LEAD STYLE	PACKAGING TUBE	PLUG
-X1-X, -X3-X (NO PAD)	PT-1-24-15-09	TP-12
-X1-X-P (W/ P&P PAD)	PT-1-24-01-09	TP-24
-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, -X3-K	PT-1-24-13-09	TP-24
-X2-K	PT-1-24-14-09	TP-24-02
-X2-SNX	PT-SFM004-X1-X3-D	TP-24-02

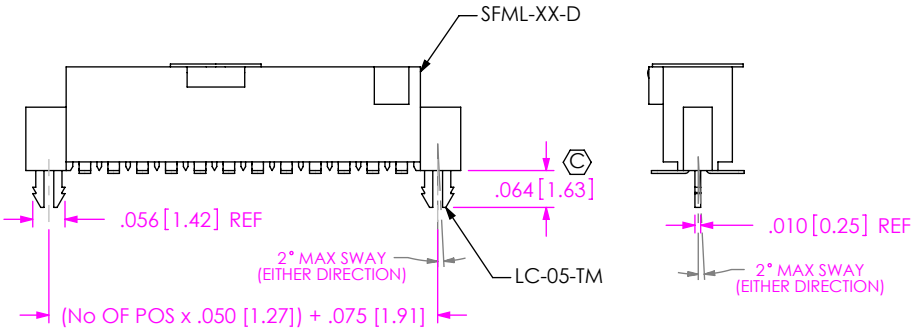


FIG 7
-LC: LOCKING CLIP OPTION
(SAME AS FIG 1, UNLESS OTHERWISE STATED)
(ALTERNATE CONSTRUCTION SHOWN)

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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-XXX-X-XX

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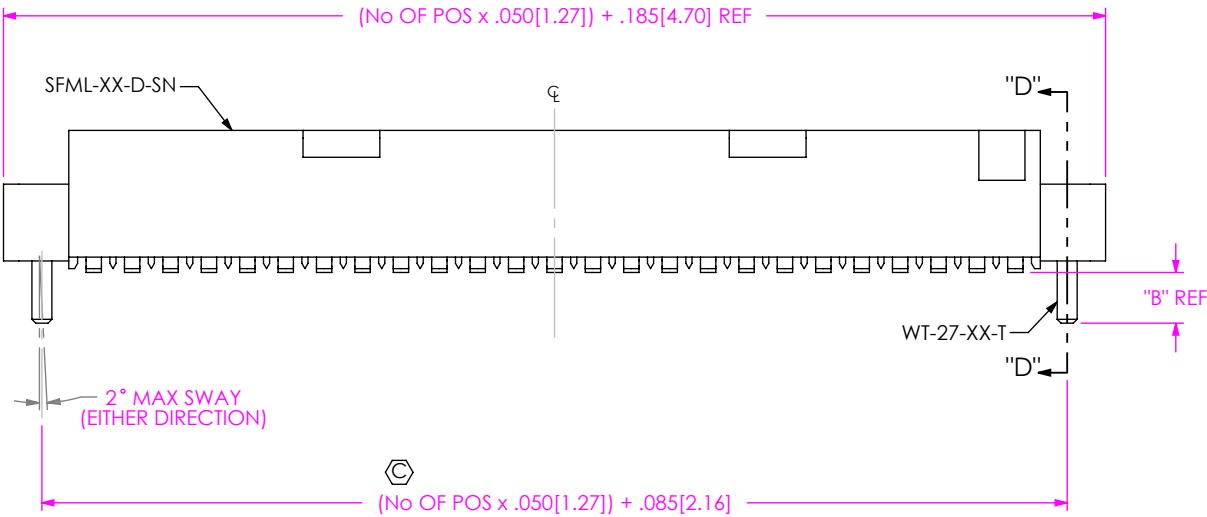
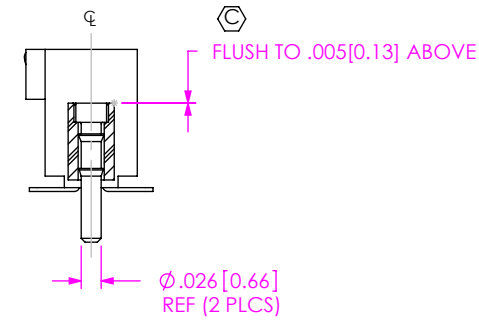


FIG 8
-SNX: SOLDER NAIL OPTION
(SHOWN: SFML-125-02-XXX-D-SN
(SAME AS FIG 1, UNLESS OTHERWISE STATED)
(ONLY AVAILABLE ON -X2 LEAD STYLES)



SECTION "D"-"D"

TABLE 3	
OPTION	"B"
-SN	.066[1.68]
SN2	.101[1.80]

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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-X-XX

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