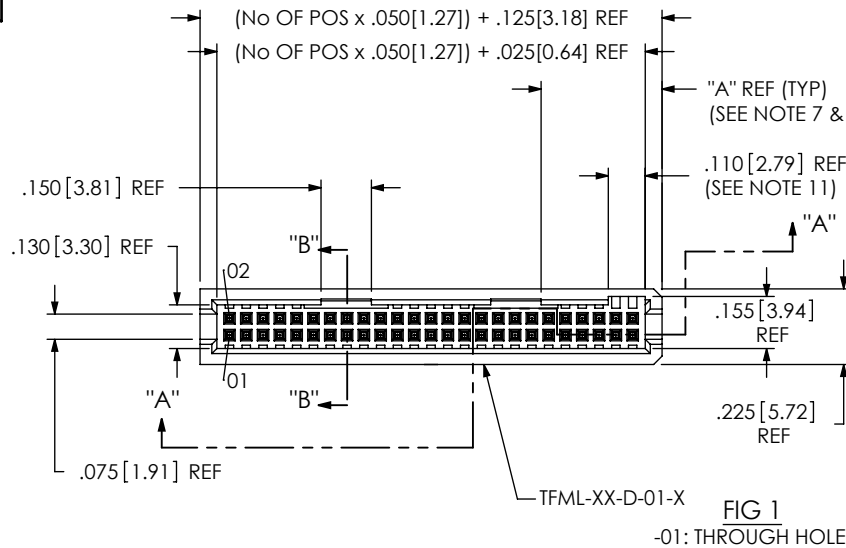


DO NOT  
SCALE FROM  
THIS PRINT



# TFML-1XX-XX-XXX-D-XXX

No OF POSITIONS  
-05,-07,-10 THRU -50  
(PER ROW)

LEAD STYLE  
-01: THROUGH HOLE  
(SEE FIG. 1)  
-02: SURFACE MOUNT  
(SEE FIG.3, SHT 2)

## PLATING SPECIFICATION

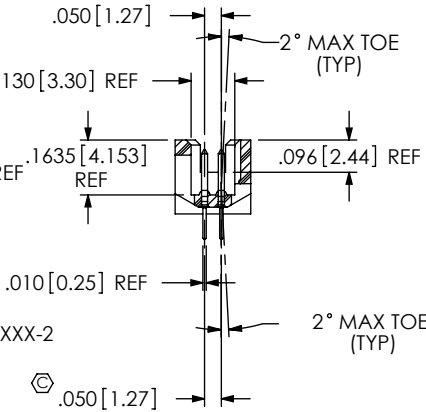
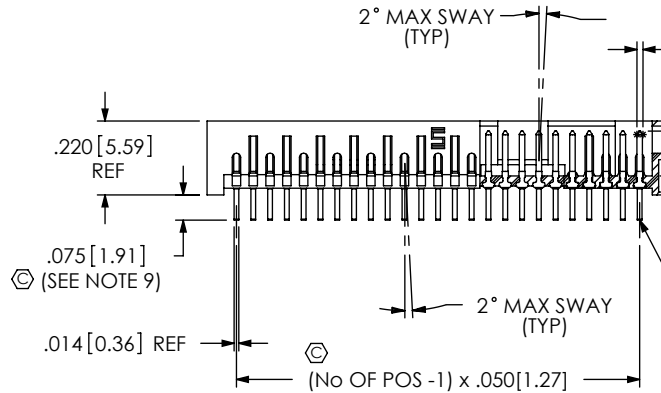
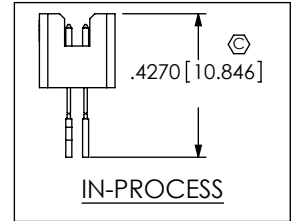
-S: 30μ" SELECTIVE GOLD IN CONTACT AREA,  
MATTE TIN ON TAIL  
-L: 15μ" SELECTIVE GOLD IN CONTACT AREA,  
MATTE TIN ON TAIL  
-F: 3μ" SELECTIVE GOLD IN CONTACT AREA,  
MATTE TIN ON TAIL  
-H: 30μ" GOLD IN CONTACT AREA,  
3μ" GOLD ON TAIL  
-FM: 3μ" SELECTIVE GOLD IN CONTACT AREA,  
MATTE TIN ON TAIL  
-LM: 15μ" SELECTIVE GOLD IN CONTACT AREA,  
MATTE TIN ON TAIL  
-SM: 30μ" SELECTIVE GOLD IN CONTACT AREA,  
MATTE TIN ON TAIL  
-STL: 30μ" SELECTIVE GOLD IN CONTACT AREA,  
TIN/LEAD (90/10+/-5%) TAIL

## OPTION

-A: ALIGNMENT PIN (USE TFML-XX-D-01-A)  
(SEE FIG 7, SHT 3)  
-LC: LOCKING CLIP (USE LC-05-TM) SEE NOTE 12  
(SEE FIG 9, SHT 3, N/A ON -RA OPTION)  
-P: PICK & PLACE PAD (USE PPP-72 FOR -05 & -07.  
USE PPP-04 FOR -10 THRU -50)  
(AVAIL IN ALL POSITIONS, N/A  
ON -RA OPTION, SEE FIG 5, SHT 2)  
-RA: RIGHT ANGLE (LEAD STYLE -01 ONLY)  
(SEE FIG 4, SHT 2)  
-TR: TAPE & REEL  
(SEE FIG. 2)(N/A ON -01 LEAD STYLE)  
-SA: STAKED ALIGNMENT PIN (USE SM-A5)  
(SEE FIG 8, SHT 3)  
-K: POLYAMIDE FILM (USE K-500-300)  
(SEE FIG. 6, SHT 2) (N/A ON -RA)  
-SN: SOLDER NAIL (USE TFML-XX-D-01-SN &  
WT-27-01-T) (SEE FIG 10, SHEET 4)  
(AVAILABLE ON -02 LEAD STYLE ONLY)  
-SN2: SOLDER NAIL FOR .093 BOARD  
(USE TFML-XX-D-01-SN &  
WT-27-02-T) (SEE FIG 10, SHEET 4)  
(AVAILABLE ON -02 LEAD STYLE ONLY)  
(NOT AVAILABLE WITH -A, -LC, -RA, -SA)

## ROW SPECIFICATION

-D: DOUBLE ROW



## NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. COPLANARITY: POSITIONS -05 THRU -26: .004[0.10]  
POSITIONS -27 THRU -50: .006[0.15].
3. MANUFACTURING IN-PROCESS DIMENSION  
DESIGNED TO ACHIEVE FINISHED ASSEMBLY. Ⓢ
4. MINIMUM PUSHOUT FORCE: 1.0 LB [4.4 N].
5. MAXIMUM ALLOWABLE BOW: .004 INCH/INCH  
[0.10 MM/MM] AFTER ASSEMBLY.
6. MEASURED FROM BEND.
7. POSITIONS -05 AND -07 WILL ONLY HAVE ONE CLIP AT  
DIMENSION SHOWN; 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.
8. NOTE DELETED.
9. .003[0.08] MAXIMUM TERMINAL BURR
10. .005[0.13] MAXIMUM HEIGHT VARIATION BETWEEN ANY TWO PINS.
11. DIMENSION IS NOT APPLICABLE FOR -05 AND -07 POSITION.
12. 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.

TABLE 1	
NO OF POS.	"A"
EVEN	.310
ODD (EXCL. -05,-07 POS)	.360
-05,-07	.113

AV

CPC FREQUENCY THIS SHEET		UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS ANGLES .XX: ±.01 .XXX: ±.005 .XXXX: ±.0020 2°	PROPRIETARY NOTE THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO SAMTEC, INC. AND SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR ANY PURPOSE OTHER THAN THAT WHICH IT WAS OBTAINED WITHOUT THE EXPRESSED WRITTEN CONSENT OF SAMTEC, INC.	<p>520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail: info@SAMTEC.com code: 55322</p>
A	C1			
B	C2, C3, C4, C8	DO NOT SCALE DRAWING SHEET SCALE: 1:75:1	MATERIAL: VECTRA E130i, LCP, UL 94 VO COLOR: BLACK CONTACT: PHOS BRONZE, THICKNESS: .018 F:\DWG\MISC\MKTG\TFML-1XX-XX-XXX-D-XXX-MKT.SLDDRW	DESCRIPTION: .050 SHROUDED TERMINAL ASSEMBLY DWG. NO. TFML-1XX-XX-XXX-D-XXX BY: DEANP 4/8/99 SHEET 1 OF 4
C				
D				

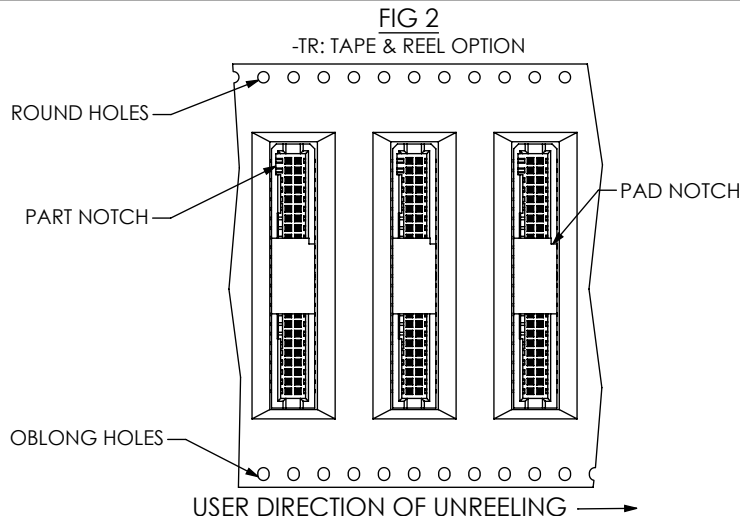


FIG 3

-02: SURFACE MOUNT  
(SHOWN: TFML-125-02-XXX-D)  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

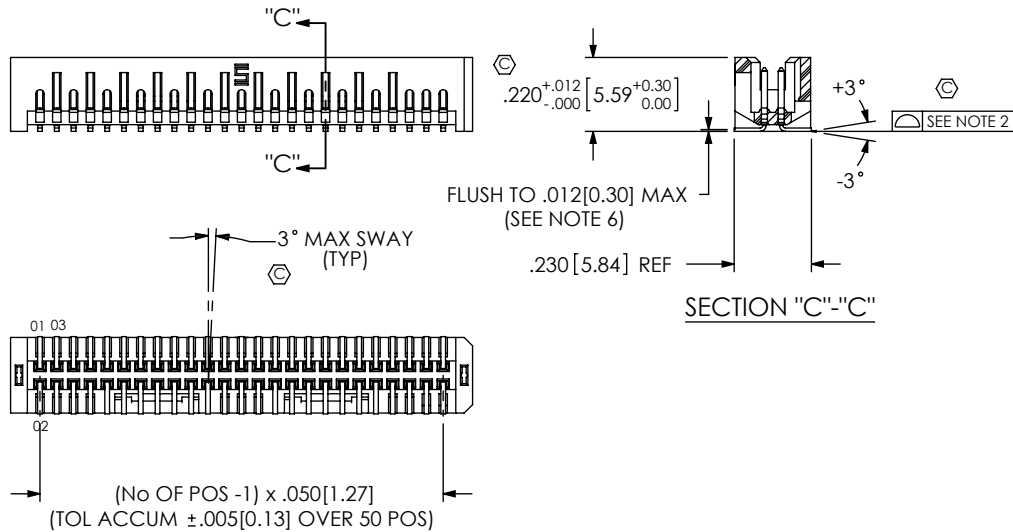


FIG 5

-P: PICK & PLACE PAD OPTION  
(SHOWN: TFML-125-02-XXX-D-P)  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)  
NOTCH ON PAD TO BE ON SAME END AS NOTCH IN TFM BODY

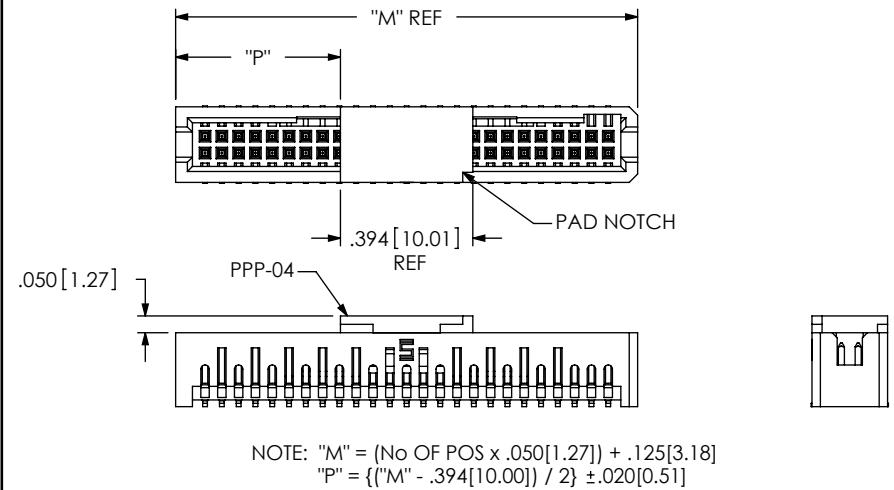


FIG 4

-RA: RIGHT ANGLE OPTION  
(SHOWN: TFML-125-01-XXX-D-RA)  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

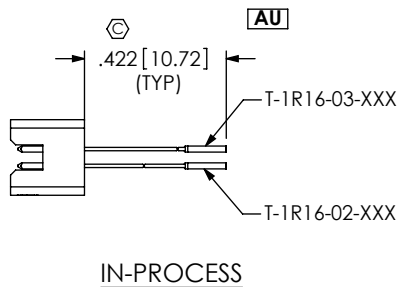
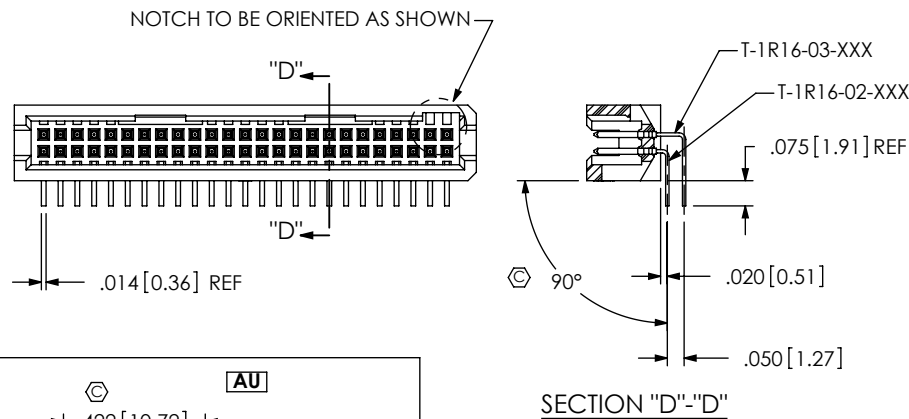
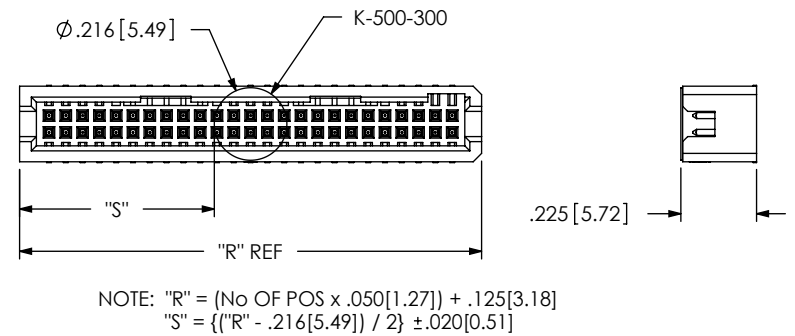



FIG 6

-K: POLYIMIDE FILM PAD OPTION  
(SHOWN: TFML-125-02-XXX-D-K)  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

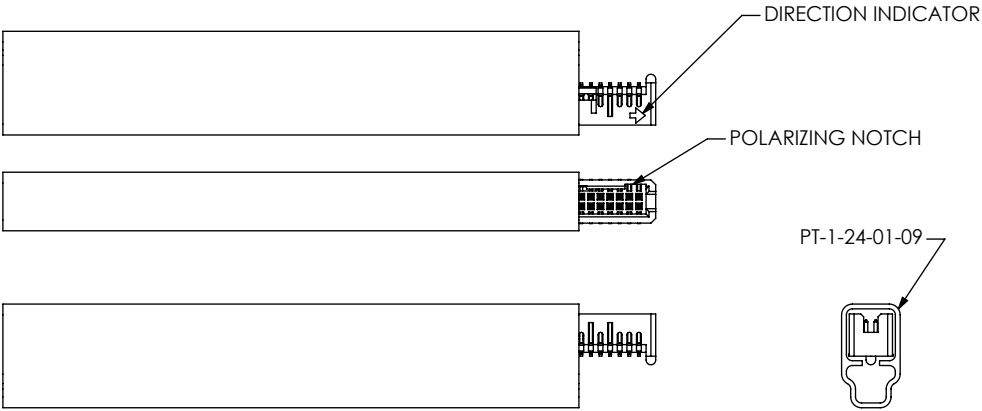


F:\DWG\MISC\MKTG\TFML-1XX-XX-XXX-D-XXX-MKT.SLDDRW

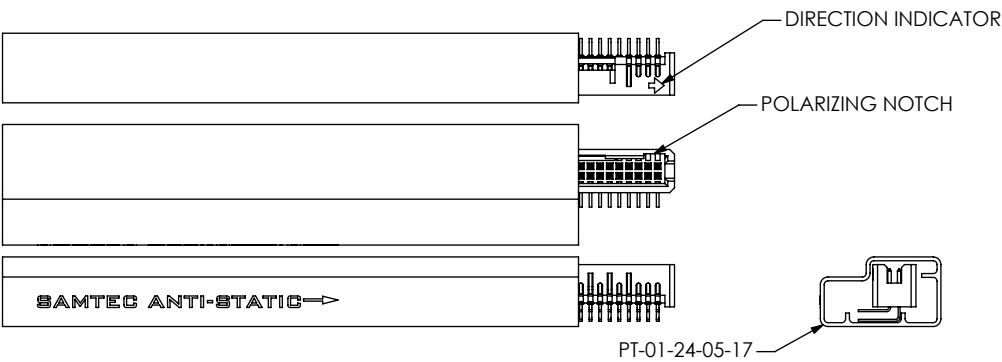
CPC FREQUENCY THIS SHEET		<div>PROPRIETARY NOTE</div> <div>THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO SAMTEC, INC. AND SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR ANY PURPOSE OTHER THAN THAT WHICH IT WAS OBTAINED WITHOUT THE EXPRESSED WRITTEN CONSENT OF SAMTEC, INC.</div> <div>DO NOT SCALE DRAWING</div> <div>SHEET SCALE: 1.75:1</div>	<div></div> <div>520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733      FAX: 812-948-5047 e-Mail: info@SAMTEC.com      code: 55322</div>	
A			DESCRIPTION: .050 SHROUDED TERMINAL ASSEMBLY	
B	C5, C6, C11, C12		DWG. NO. TFML-1XX-XX-XXX-D-XXX	
C			BY: DEANP      4/8/99      SHEET 2 OF 4	
D				

PACKAGING VIEWS

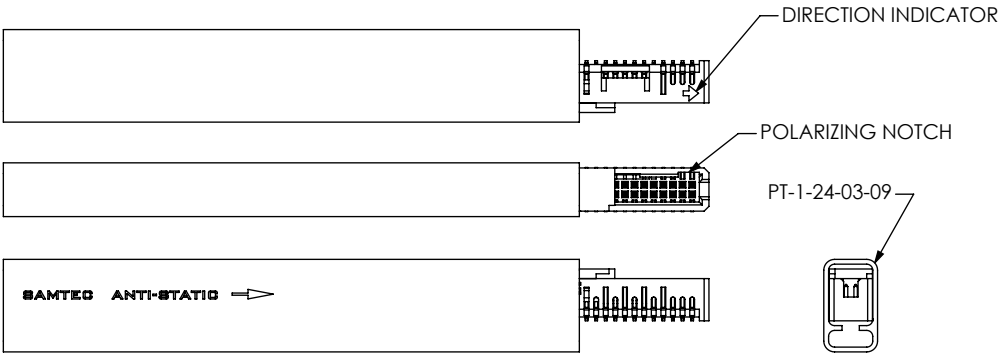
PARTS TO BE POSITIONED WITH POLARIZING NOTCH FACING THE SAMTEC LOGO AND ARROW.



PARTS TO BE POSITIONED WITH TAILS FACING LOGO SIDE OF TUBE AND POLARIZING NOTCH ORIENTED AS SHOWN



POSITION PARTS WITH POLARIZING NOTCH ORIENTED AS SHOWN



LEAD STYLE	PACKAGING TUBE	PLUG
-RA ONLY	PT-1-24-05-17	TP-07
-01,-02 EXCEPT -RA OR -P	PT-1-24-01-09	TP-24
-01-P,-02-P	PT-1-24-03-09	TP-03

FIG 7

-A: ALIGNMENT PIN OPTION  
(SHOWN: TFML-125-02-XXX-D-A)  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)  
-NOT AVAILABLE WITH -RA

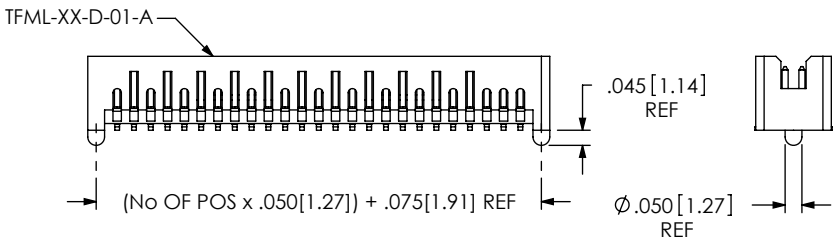


FIG 8

-SA: STAKED ALIGNMENT PIN OPTION  
(SHOWN: TFML-125-02-XXX-D-SA)  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)  
-NOT AVAILABLE ON -RA

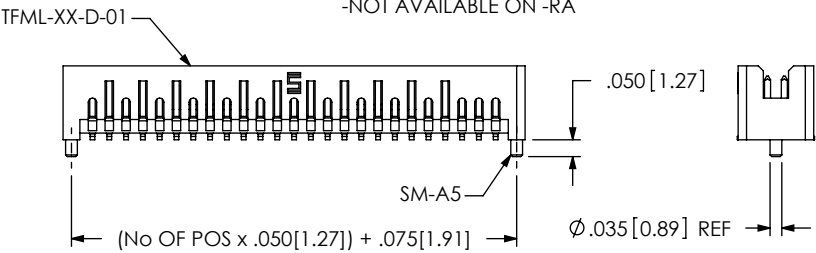
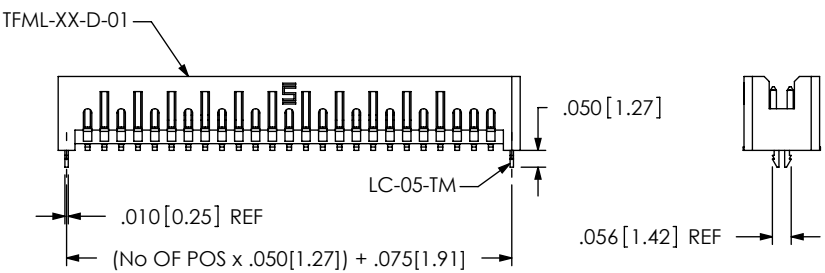


FIG 9

-LC: LOCKING CLIP OPTION  
(SHOWN: TFML-125-02-XXX-D-LC)  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)  
-NOT AVAILABLE ON -RA



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

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	B		
	C		
	D		
DO NOT SCALE DRAWING		DESCRIPTION: .050 SHROUDED TERMINAL ASSEMBLY	
SHEET SCALE: 1.75:1		DWG. NO. TFML-1XX-XX-XXX-D-XXX	
		BY: DEANP 4/8/99 SHEET 3 OF 4	

FIG 10  
-SNX: SOLDER NAIL  
(SHOWN: TFML-125-02-XXX-D-SN)  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)  
(ONLY AVAILABLE ON -02 LEAD STYLE)

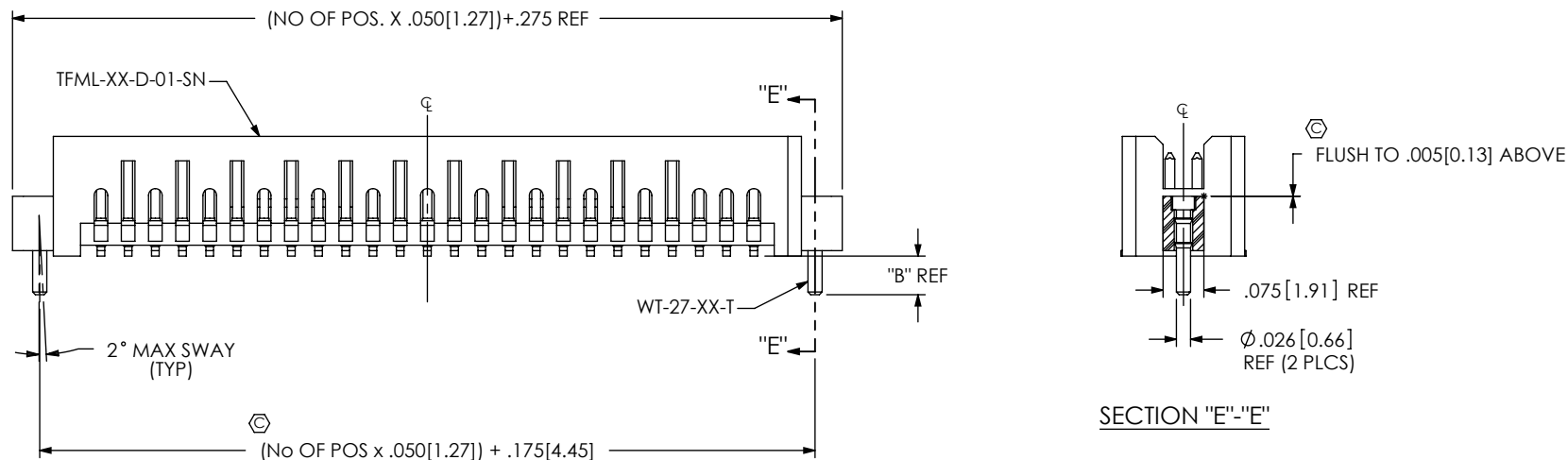



TABLE 2	
OPTION	"B"
-SN	.071[1.80]
-SN2	.106[2.69]

AV

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	B		
	C		
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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 SHROUDED TERMINAL ASSEMBLY			
DWG. NO. TFML-1XX-XX-XXX-D-XXX			
BY: DEANP 4/8/99		SHEET 4 OF 4	