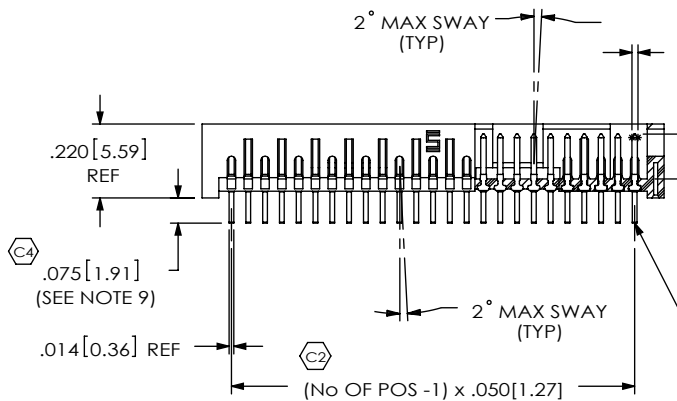
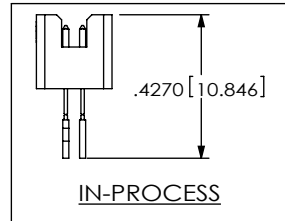


FIG. 1  
-01: THROUGH HOLE

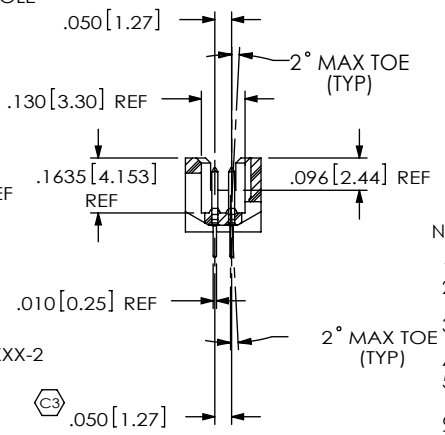
- No OF POSITIONS**  
-05,-07,-10 THRU -50  
(PER ROW)
- LEAD STYLE**  
-01: THROUGH HOLE  
(SEE FIG. 1)  
-02: SURFACE MOUNT  
(SEE FIG.3, SHT 2)
- PLATING SPECIFICATION**  
-S: SELECTIVE (USE T-1R16-XX-S-X)  
-L: LIGHT SELECTIVE (USE T-1R16-XX-L-X)  
-F: FLASH GOLD (USE T-1R16-XX-F-X)  
-P: GOLD FLASH PALLADIUM NICKEL  
(USE T-1R16-XX-P-X)  
-H: HEAVY GOLD (USE T-1R16-XX-H-X)  
-FM: SELECTIVE FLASH GOLD, MATTE TIN TAIL  
(USE T-1R16-XX-F-X)  
-LM: SELECTIVE LIGHT GOLD, MATTE TIN TAIL  
(USE T-1R16-XX-L-X)  
-SM: SELECTIVE HEAVY GOLD, MATTE TIN TAIL  
(USE T-1R16-XX-S-X)

- 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-04)  
(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



SECTION "A"-"A"



SECTION "B"-"B"

NOTES:

- ⊕ REPRESENTS A CRITICAL DIMENSION.
- COPLANARITY: POSITIONS -10 THRU -26: .004[0.10]  
POSITIONS -27 THRU -50: .006[0.15].
- MANUFACTURING IN-PROCESS DIMENSION  
DESIGNED TO ACHIEVE FINISHED ASSEMBLY. ⊕
- MINIMUM PUSHOUT FORCE: 1.0 LB [4.4 N].
- MAXIMUM ALLOWABLE BOW: .004 INCH/INCH  
[0.10 MM/MM] AFTER ASSEMBLY.
- MEASURED FROM BEND.
- 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.
- NOTE DELETED.
- .003[0.08] MAXIMUM TERMINAL BURR
- .005[0.13] MAXIMUM HEIGHT VARIATION BETWEEN ANY TWO PINS.
- DIMENSION IS NOT APPLICABLE FOR -05 AND -07 POSITION.
- 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.

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

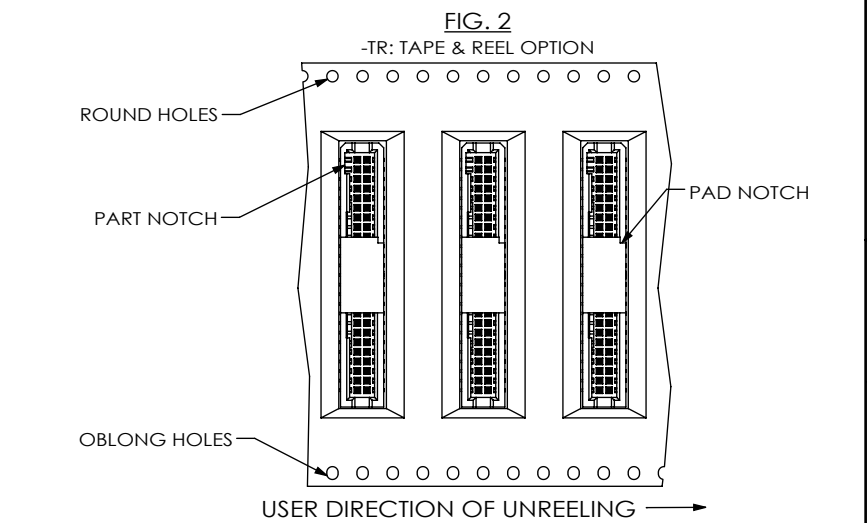


FIG. 2  
-TR: TAPE & REEL OPTION

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES.  
TOLERANCES ARE:  
DECIMALS ANGLES  
.XX: ±.01 2°  
.XXX: ±.005  
.XXXX: ±.0020

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520 PARK EAST BLVD, NEW ALBANY, IN 47150  
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e-Mail: info@SAMTEC.com code: 55322

**MATERIAL:**  
VECTRA E130I, COLOR: BLACK  
CONTACT: PHOS BRONZE, THICKNESS: .018

DO NOT SCALE DRAWING SHEET SCALE: 1:75:1

DESCRIPTION:  
.050 SHROUDED TERMINAL ASSEMBLY

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

BY: DEANP 4/8/99 SHEET 1 OF 4

FIG. 3

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

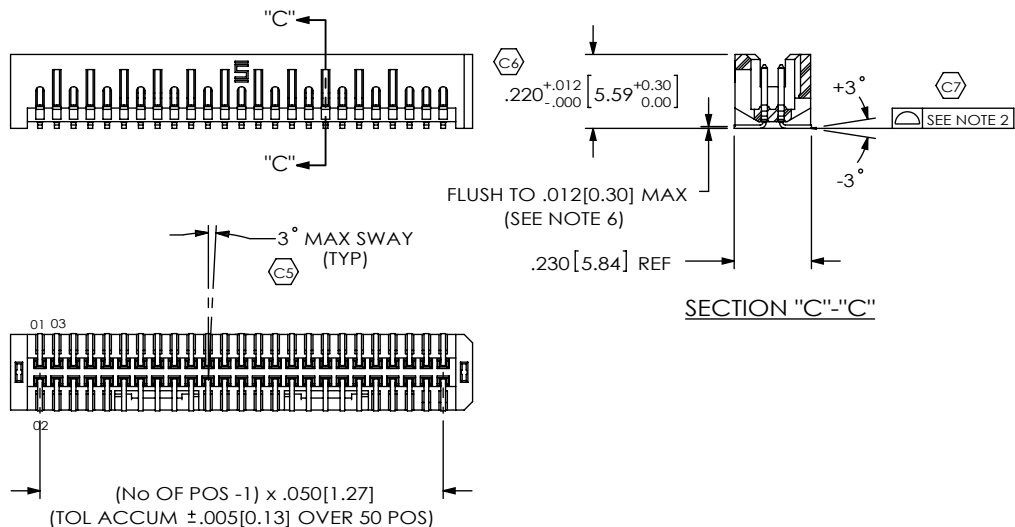


FIG. 5

-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

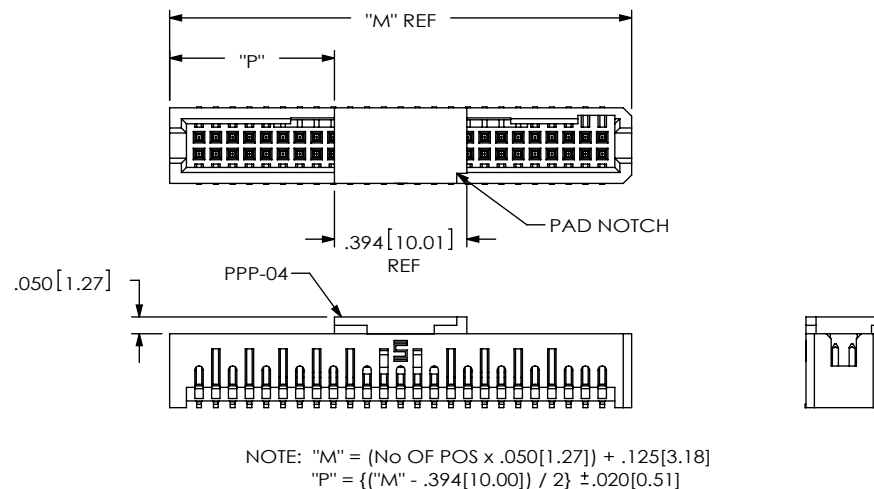


FIG. 4

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

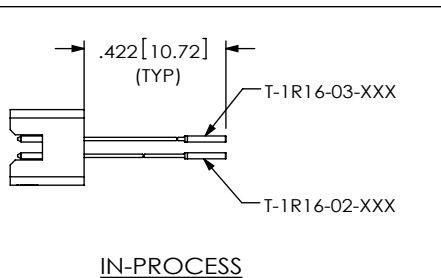
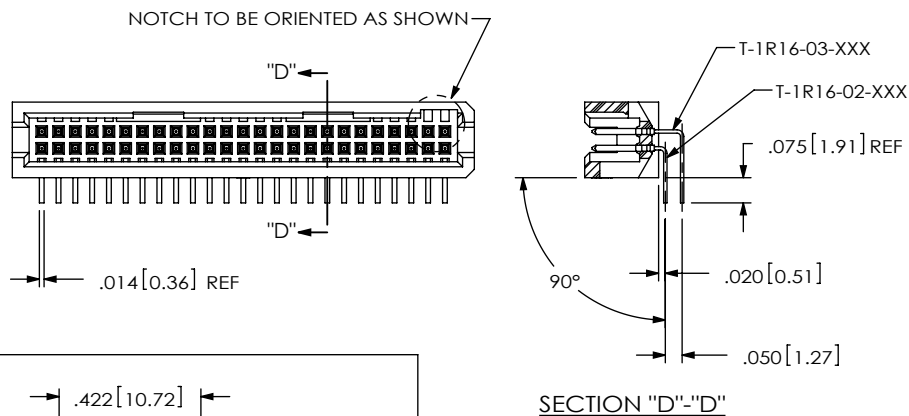
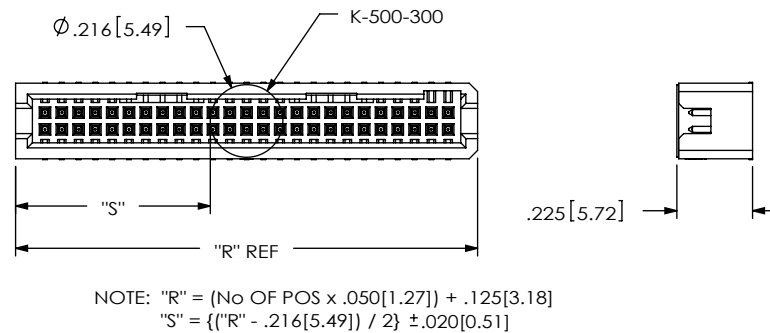


FIG. 6

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



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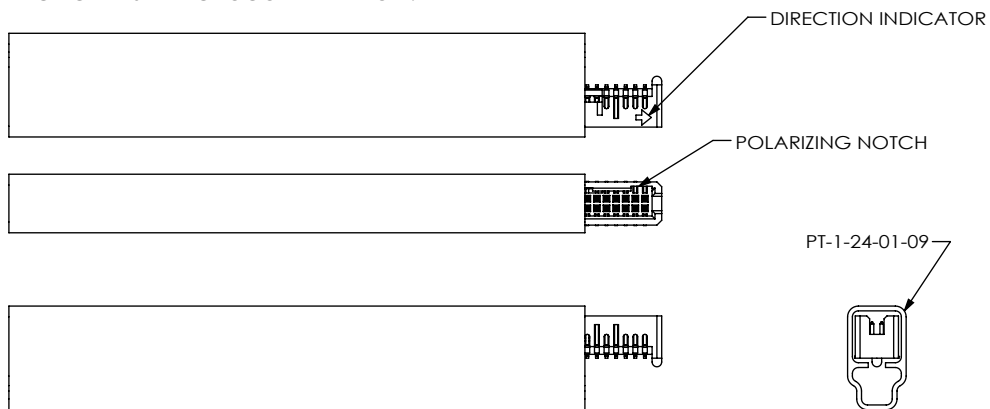
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DWG. NO.  
TFML-1XX-XX-XXX-D-XXX

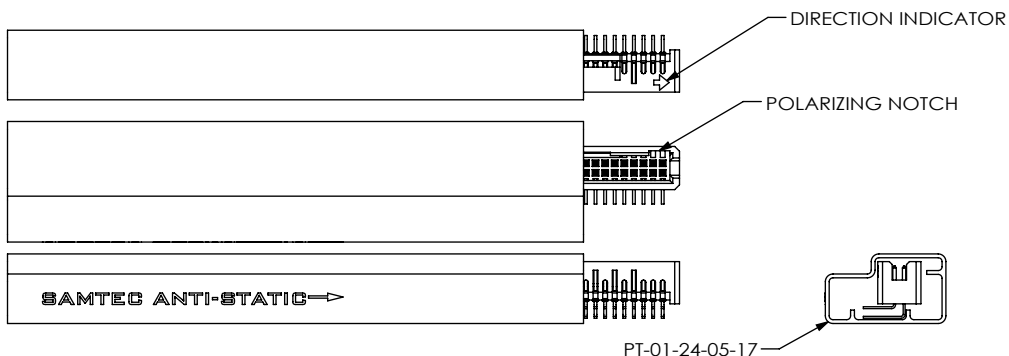
BY: DEANP 4/8/99 SHEET 2 OF 4

PACKAGING VIEWS

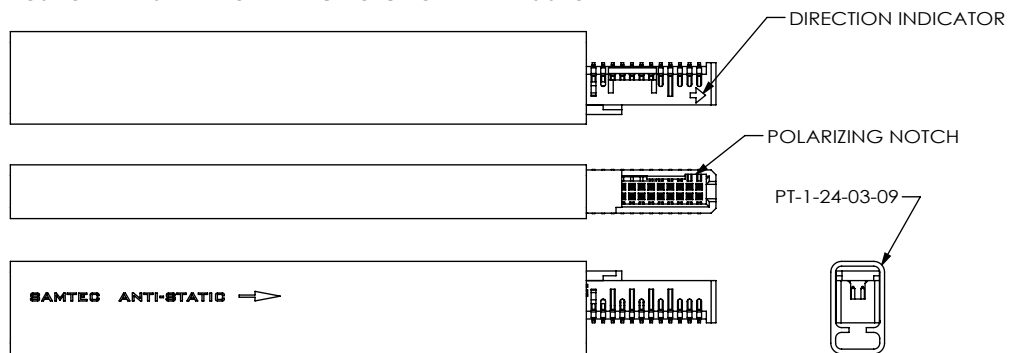
PARTS TO BE POSITIONED WITH POLARIZING NOTCH FACING THE SAMTEC LOGO AND ARROW.



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

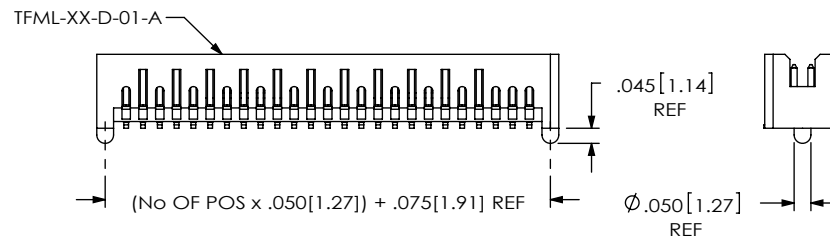


FIG. 8

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

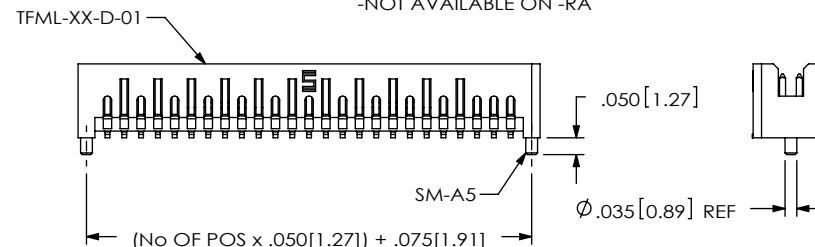
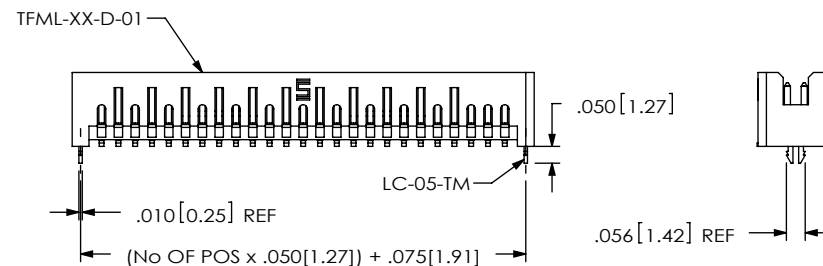


FIG. 9

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



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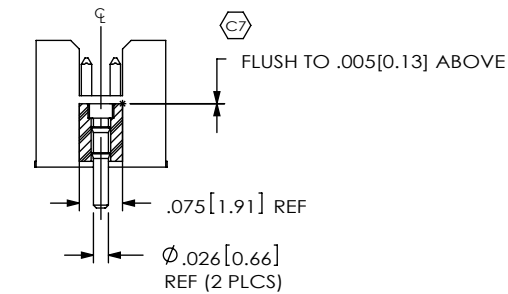
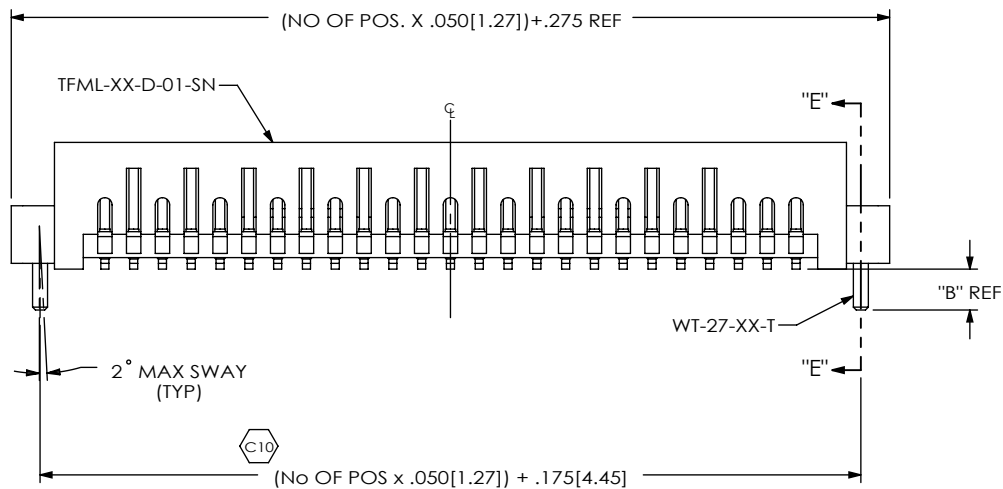
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FIG. 10

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



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

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