REVISION BL

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) (SEE NOTE 13)
-SA: STAKED ALIGNMENT PIN (USE SM-A5) (SEE FIG 8, SHT 3) (ONLY AVAILABLE ON SURFACE MOUNT LEAD STYLE)
-K: POLYIMIDE FILM (USE K-DOT-.217-.313-.005) (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)
-FR: FULL REEL QTY. TAPE & REEL (N/A ON -01 LEAD STYLE) (SEE NOTE 14)

ROW SPECIFICATION
-D: DOUBLE ROW

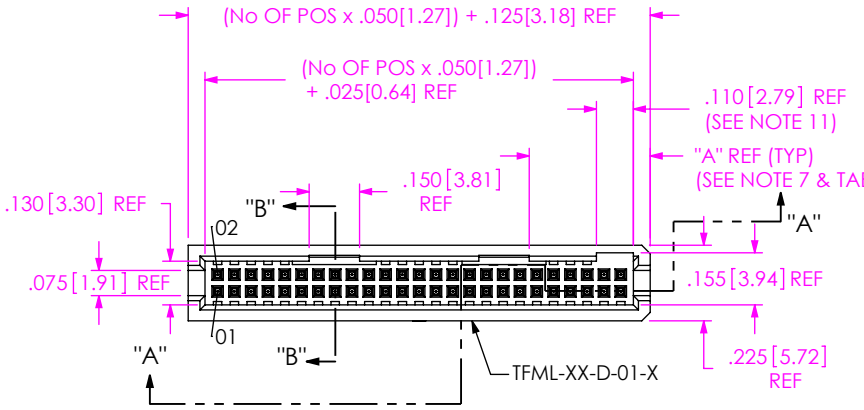
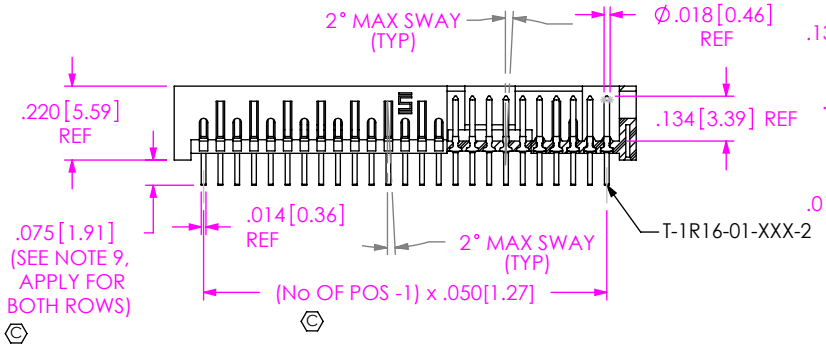
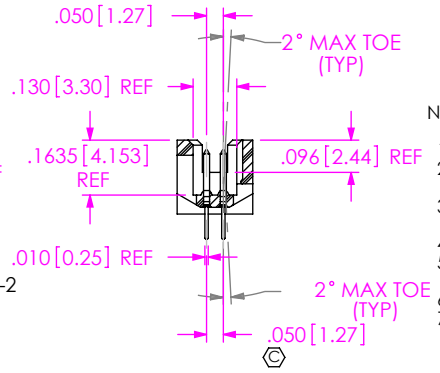


FIG 1
-01: THROUGH HOLE



SECTION "A"-"A"



SECTION "B"-"B"

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: 12 OZ. ©
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.
13. -TR OPTION ORDERS INVOLVING PARTIAL REEL QUANTITIES MAY BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM
14. -FR OPTIONS WILL BE SHIPPED AT THE MAX QUANTITY PER REEL, BASED ON OPTIONS SELECTED.

FIG 2
-TR: TAPE & REEL OPTION

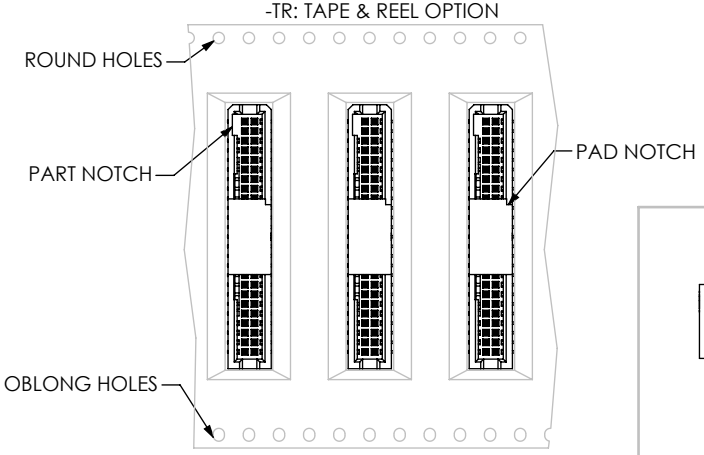
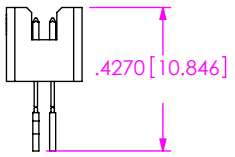


TABLE 1	
NO OF POS.	"A"
EVEN	.310
ODD (EXCL. -05,-07 POS)	.360
-05,-07	.113



IN-PROCESS

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

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MATERIAL:
VECTRA E130i, LCP, UL 94 VO
COLOR: BLACK
CONTACT: PHOS BRONZE, THICKNESS: .018

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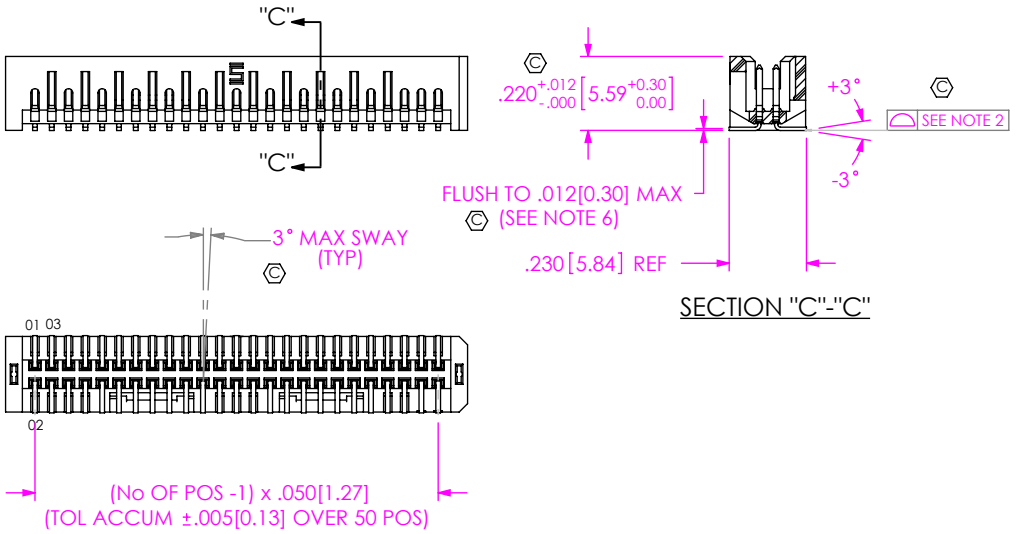
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520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION: .050 SHROUDED TERMINAL ASSEMBLY
DWG. NO. TFML-1XX-XX-XXX-D-XXX
BY: DEANP 4/8/99
SHEET 1 OF 4

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FIG 3

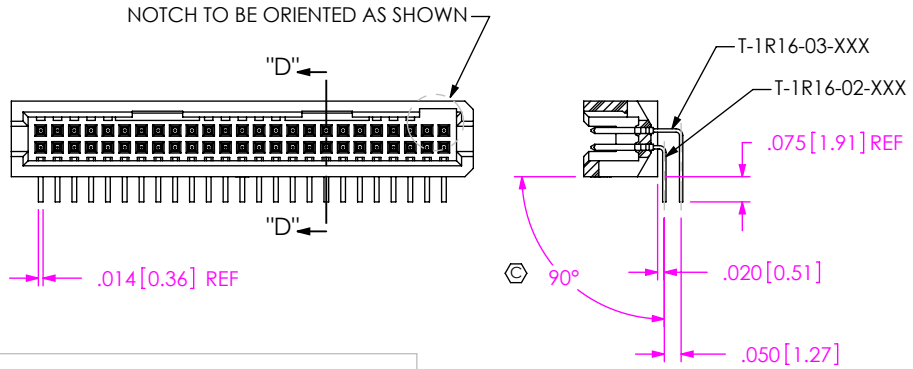
-02: SURFACE MOUNT
(SHOWN: TFML-125-02-XXX-D)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)



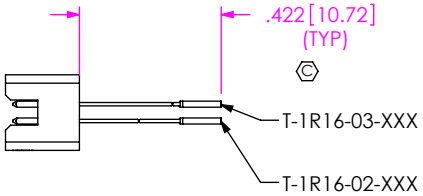
SECTION "C"-"C"

FIG 4

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



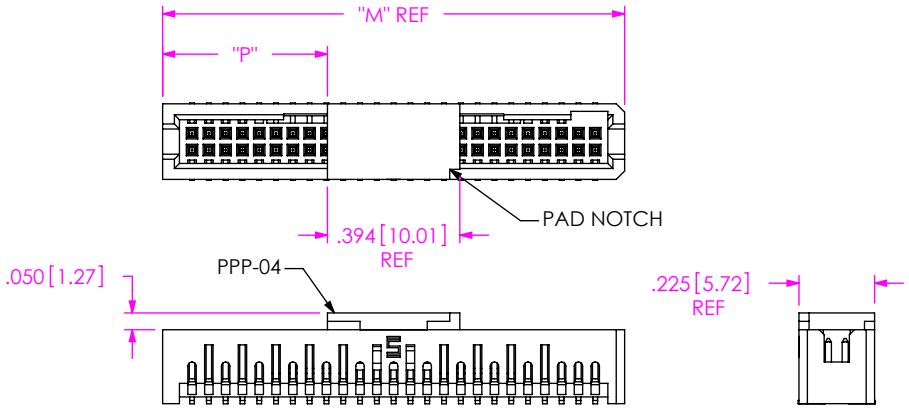
SECTION "D"-"D"



IN-PROCESS

FIG 5

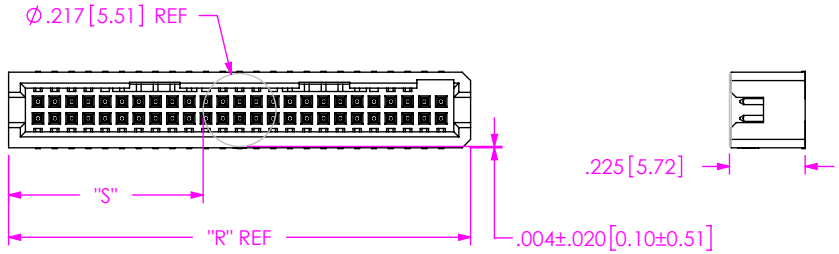
-P: PICK & PLACE PAD OPTION
(SHOWN: TFML-125-02-XXX-D-P)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)
NOTCH ON PAD TO BE ON SAME END AS NOTCH IN TFM BODY



NOTE: "M" = (No OF POS x .050[1.27]) + .125[3.18]
"P" = {("M" - .394[10.00]) / 2} ±.020[0.51]

FIG 6

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



NOTE: "R" = (No OF POS x .050[1.27]) + .125[3.18]
"S" = {("R" - .217[5.51]) / 2} ±.020[0.51]

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

DESCRIPTION:
.050 SHROUDED TERMINAL ASSEMBLY

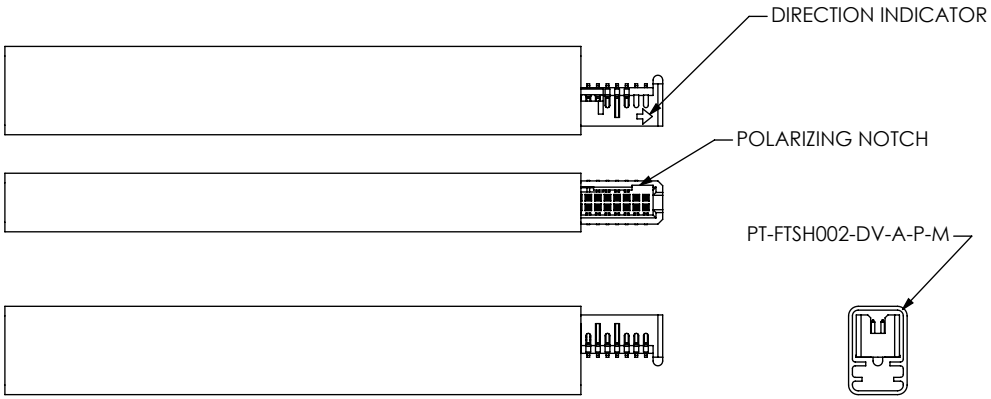
DWG. NO.
TFML-1XX-XX-XXX-D-XXX

BY: DEANP 4/8/99

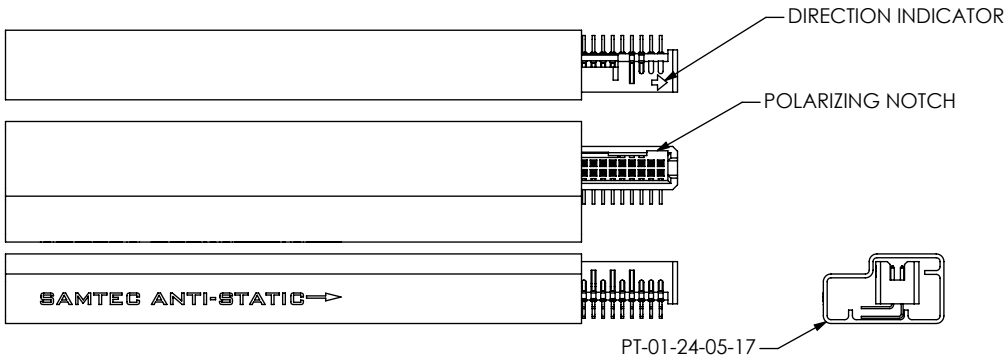
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PACKAGING VIEWS

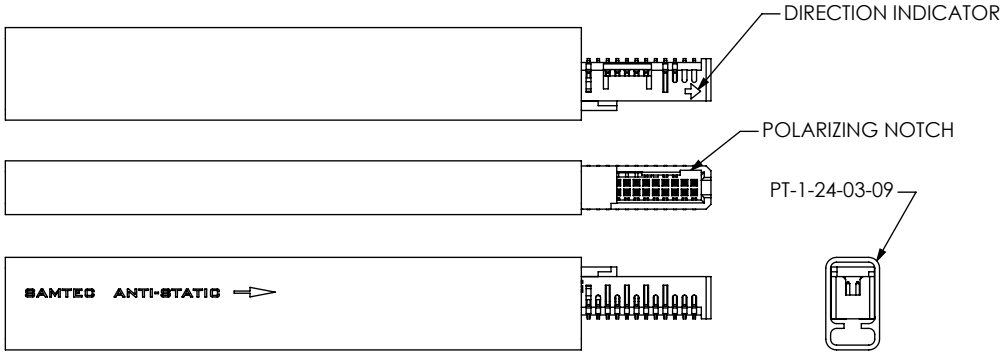
PARTS TO BE POSITIONED WITH POLARIZING NOTCH FACING THE SAMTEC LOGO AND ARROW.



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-FTSH002-DV-A-P-M	TP-03
-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

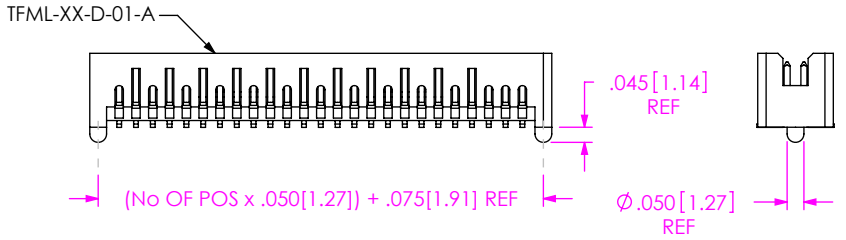


FIG 8

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

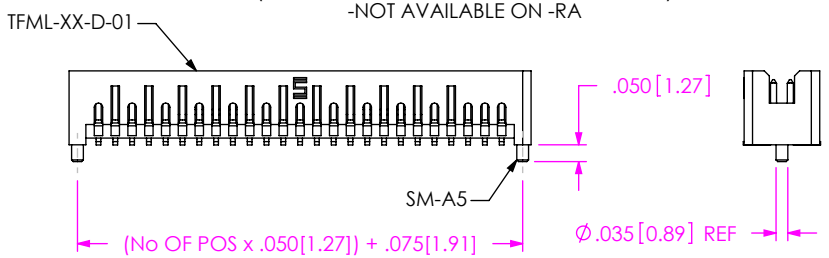
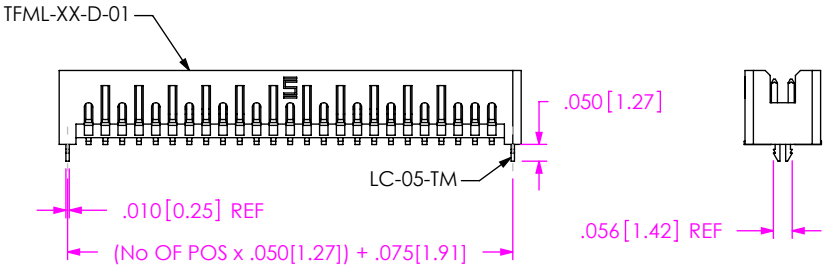


FIG 9

-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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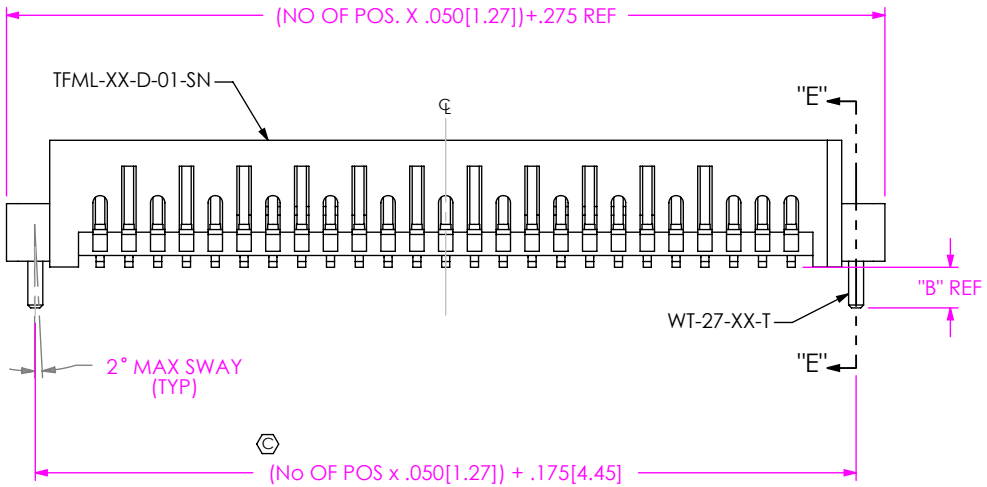
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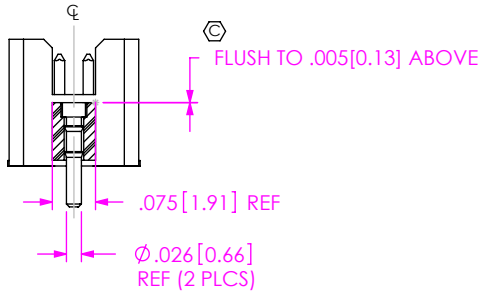
BY: DEANP 4/8/99

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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)





SECTION "E"-"E"

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

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