

(No OF POS x .050[1.27]) + .125[3.18] REF
 (No OF POS x .050[1.27]) + .025[0.64] REF
 .110[2.79] REF (SEE NOTE 11)
 "A" REF (TYP) (SEE NOTE 7 & TABLE 1)
 .150[3.81] REF
 .130[3.30] REF
 .075[1.91] REF
 .155[3.94] REF
 .225[5.72] REF
 "A"
 "B"
 "B"
 TFML-XX-D-01-X
 -S: 30μ" MAT
 -L: 15μ" MAT
 -F: 3μ" S MAT
 -H: 30μ" 3μ" C
 -FM: 3μ" MA
 -LM: 15μ" MA

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)

- 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

— ROW SPECIFICATION
-D: DOUBLE ROW

Technical drawing of a 16-pin connector showing top and side views with dimensions in inches and millimeters.

Top View Dimensions:

- Overall width: .220 [5.59] REF
- Pin pitch: .014 [0.36] REF
- Pin diameter: $\phi .018 [0.46]$ REF
- Pin height: .134 [3.39] REF
- Pin length: .1635 [4.153] REF
- Pin spacing (No OF POS - 1) x .050 [1.27]
- Pin angle: 2° MAX SWAY (TYP)
- Pin angle: 2° MAX TOE (TYP)
- Pin angle: 2° MAX TO (TYP)

Side View Dimensions:

- Pin height: .075 [1.91] (SEE NOTE 9, APPLY FOR BOTH ROWS)
- Pin length: .130 [3.30] REF
- Pin diameter: $\phi .018 [0.46]$ REF
- Pin spacing: .050 [1.27]
- Pin angle: 2° MAX SWAY (TYP)
- Pin angle: 2° MAX TOE (TYP)
- Pin angle: 2° MAX TO (TYP)

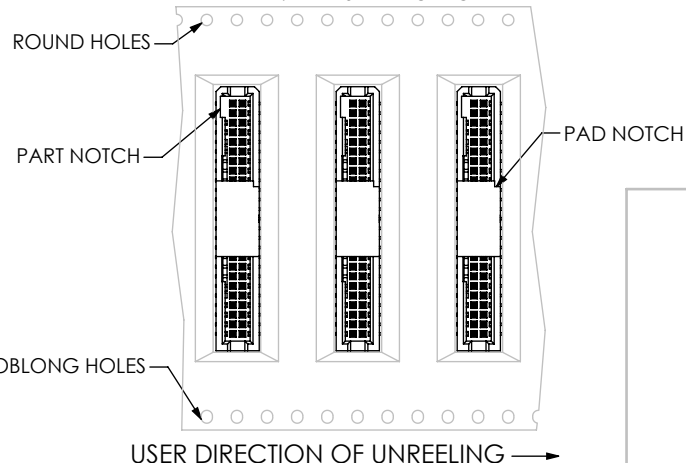
Part Number: T-1R16-01-XXX-2

Sectional View: A detailed view of the pin and its connection to the housing, showing the internal structure and the pin's position within the housing.

SECTION "B"- "B"

SECTION "A"-"A"

-TR: TAPE & REEL OPTION



IN-PROCESS

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

DECIMALS
 .XX: $\pm .01$
 .XXX: $\pm .005$
 .XXXX: $\pm .0020$

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

SHEET SCALE: 1.75:1

.050 SHROUDED TERMINAL ASSEMBLY

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

SHEET 1 OF 4

santec

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

FIG 3
-02: SURFACE MOUNT
(SHOWN: TFML-125-02-XXX-D)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

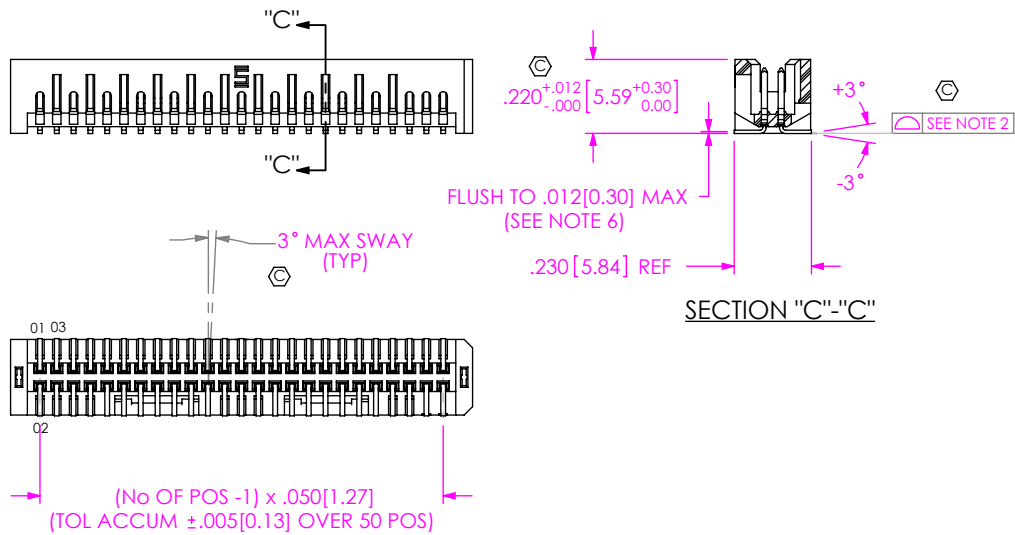


FIG 5
-P: PICK & PLACE PAD OPTION
(SHOWN: TFML-125-02-XXX-D-P)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)
NOTCH ON PAD TO BE ON SAME END AS NOTCH IN TFM BODY

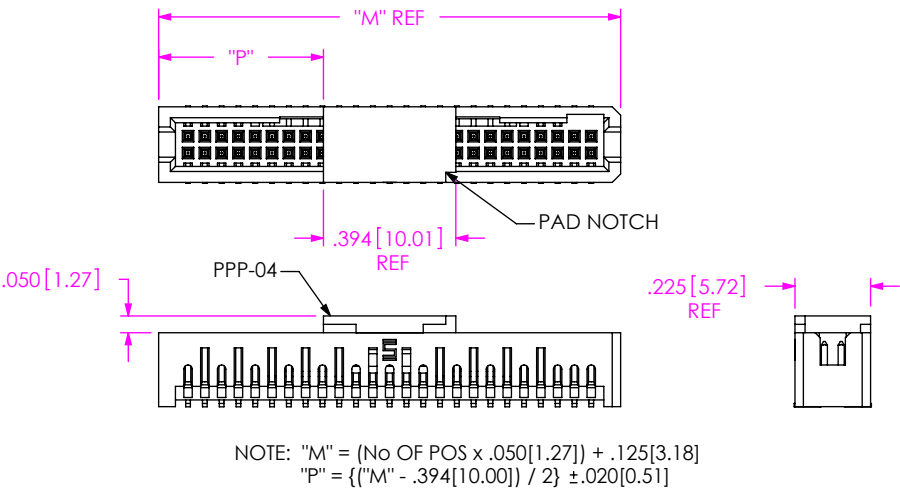


FIG 4
-RA: RIGHT ANGLE OPTION
(SHOWN: TFML-125-01-XXX-D-RA)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

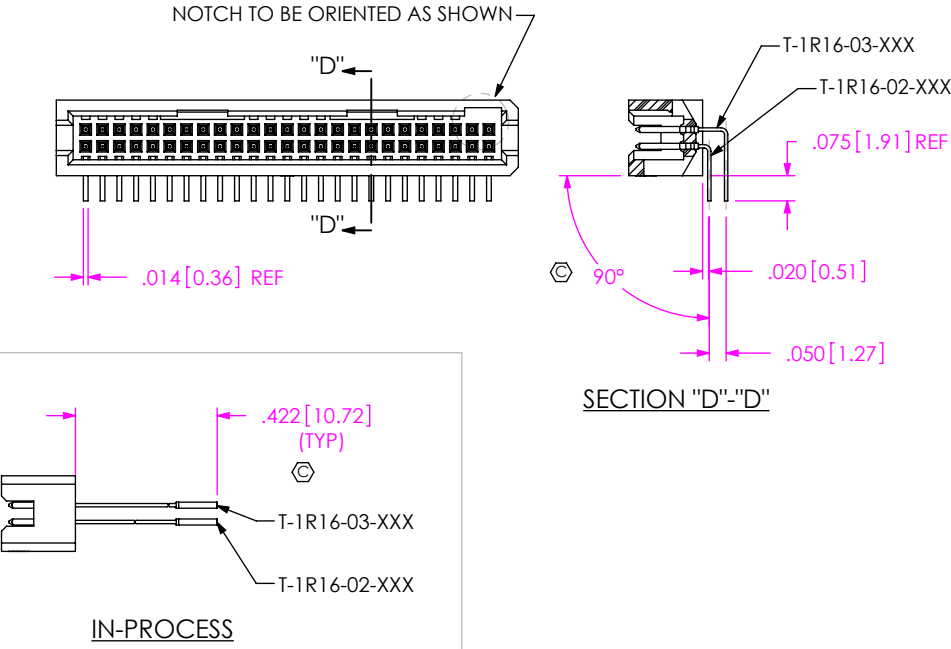
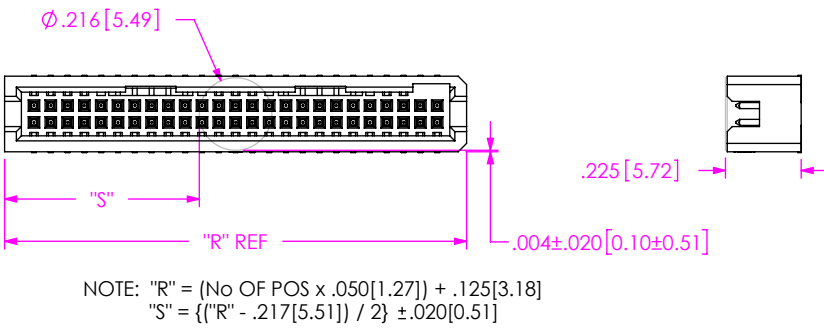


FIG 6
-K: POLYIMIDE FILM PAD OPTION
(SHOWN: TFML-125-02-XXX-D-K)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)



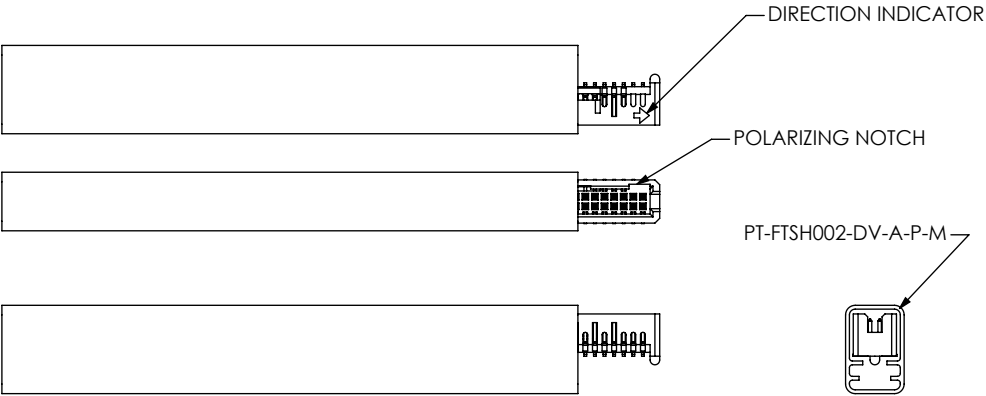
NOTE: "R" = (No OF POS x .050 [1.27]) + .125 [3.18]
"S" = {("R" - .217 [5.51]) / 2} ±.020 [0.51]

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

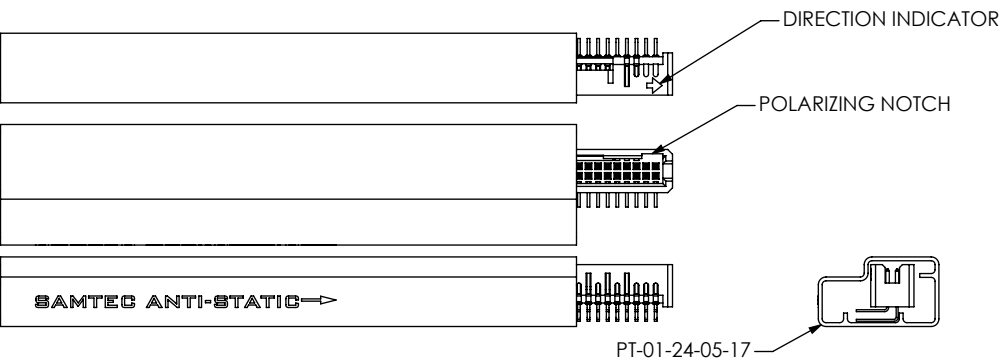
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	520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail: info@SAMTEC.com code: 55322	
	DESCRIPTION: .050 SHROUDED TERMINAL ASSEMBLY	
	DWG. NO. TFML-1XX-XX-XXX-D-XXX	
BY: DEANP	4/8/99	SHEET 2 OF 4

PACKAGING VIEWS

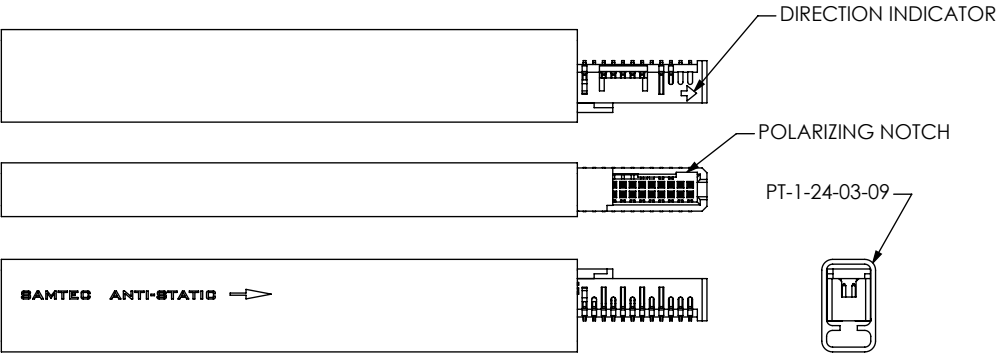
PARTS TO BE POSITIONED WITH POLARIZING NOTCH FACING THE SAMTEC LOGO AND ARROW.



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-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

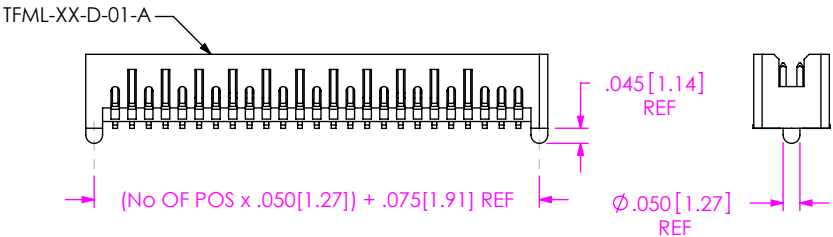


FIG 8

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

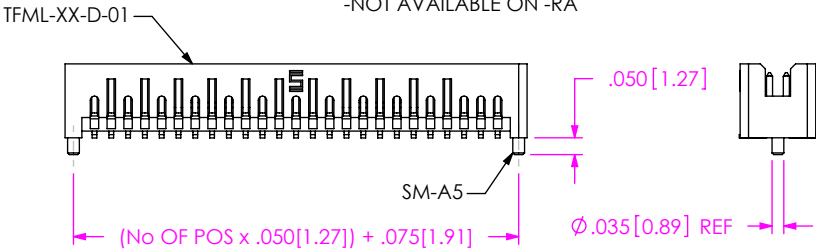
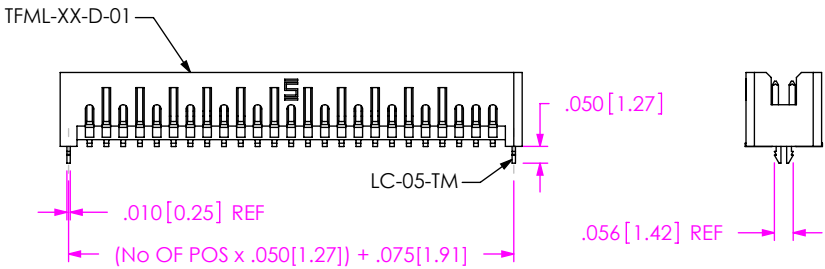


FIG 9

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



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

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SHEET SCALE: 1.75:1

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 SHROUDED TERMINAL ASSEMBLY

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)

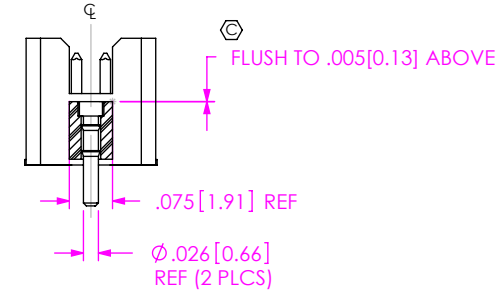
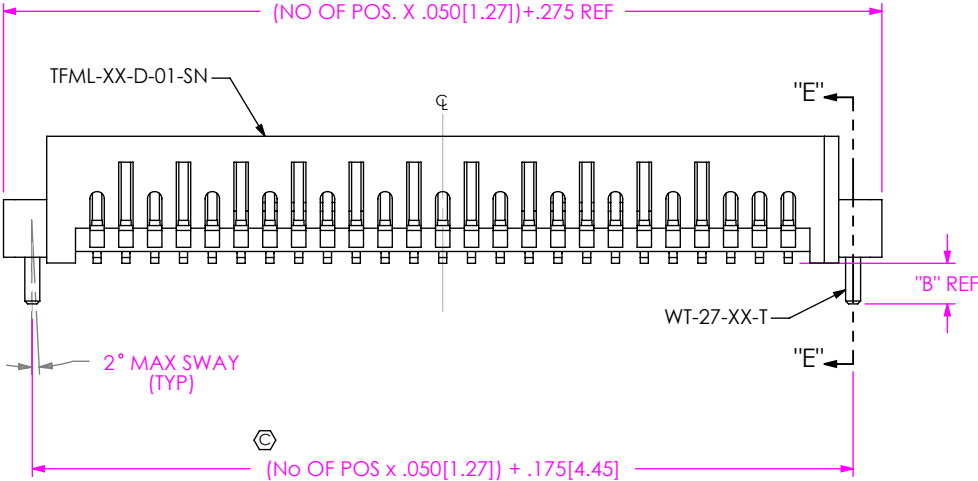


TABLE 2	
OPTION	"B"
-SN	.071[1.80]
-SN2	.106[2.69]

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