

REVISION AX

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. MAXIMUM PIN ROTATION: 2°.
3. MINIMUM PUSHOUT FORCE: 1 LB.
4. NOTE DELETED.
5. MINIMUM RETENTION FOR LOCKING CLIPS: 12 OZ.
6. MUST BE MEASURED AT BEND.
7. 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.
8. TUBES ARE STANDARD PACKAGING.
9. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
10. ATTACH LABEL TO EACH REEL.
11. 2 AND 3 POSITION PARTS WITH -K OPTION MUST SHIP IN TAPE & REEL.

DO NOT SCALE FROM THIS PRINT

LTMM-1XX-XX-XX-D-XX-XX-X-XX

No OF POSITIONS  
-02 THRU -25

TERMINAL STYLE

- 01: .100[2.54] POST HEIGHT (STANDARD)
- 02: .120[3.05] POST HEIGHT (SEE TABLE 1)

PLATING SPECIFICATION

- G: 20μ" SELECTIVE GOLD IN CONTACT AREA, 3μ" SELECTIVE GOLD ON TAIL
- T: MATTE TIN CONTACT AND TAIL
- S: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- L: 10μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- F: 3μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- H: 30μ" SELECTIVE GOLD IN CONTACT AREA, 3μ" SELECTIVE GOLD ON TAIL
- SM: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- TM: MATTE TIN ON ENTIRE PIN
- LM: 10μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- FM: 3μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL

- PACKAGING
- BLANK: TUBES (SEE NOTE 8 & 9) (SEE FIG 8, SHT 4)
  - TR: TAPE & REEL (SEE NOTES 9, 10, & 11) (SEE FIG 7, SHT 4)
  - FR: FULL REEL QTY TAPE & REEL (SEE NOTES 9, 10, & 11)
  - (-TR & -FR PACKAGING ARE

- PICK & PLACE OPTION
- P: PICK & PLACE PAD (USE PPP-24, SEE FIG 4, SHT 2) (-SM OPTION ONLY) (ONLY AVAILABLE IN 04-25 POSITIONS)
  - M: METAL PICK AND PLACE PAD (USE MPP-07, SEE FIG 5, SHT 2) (-SM OPTION ONLY)
  - K: POLYIMIDE FILM (SEE NOTE 11) (USE K-DOT-.295-.406-.005) (SEE FIG 6, SHT 3) (-SM OPTION ONLY)

POLARIZED OPTION  
XX INDICATES POS TO BE OMITTED

- OPTION
- LEAVE BLANK FOR THROUGH HOLE (SEE FIG 1 & TABLE 1)
  - RA: RIGHT ANGLE (SEE FIG 2, SHT 2 & TABLE 1)
  - SM: SURFACE MOUNT (SEE FIG 3, SHT 3 & TABLE 1)
  - LC: LOCKING CLIP (SEE NOTE 7) (USE LC-05-TM FOR TH STYLE, SEE FIG 1) (USE LC-07-TM FOR -SM STYLE, SEE FIG 3, SHT 3) (NOT AVAILABLE FOR -RA STYLE)

ROW SPECIFICATION  
-D: DOUBLE (USE LTMM-XX-D-LC)

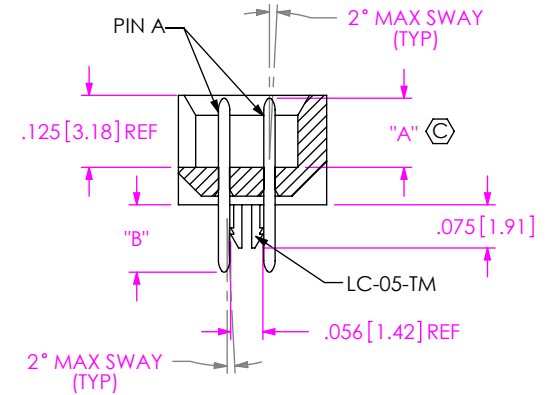
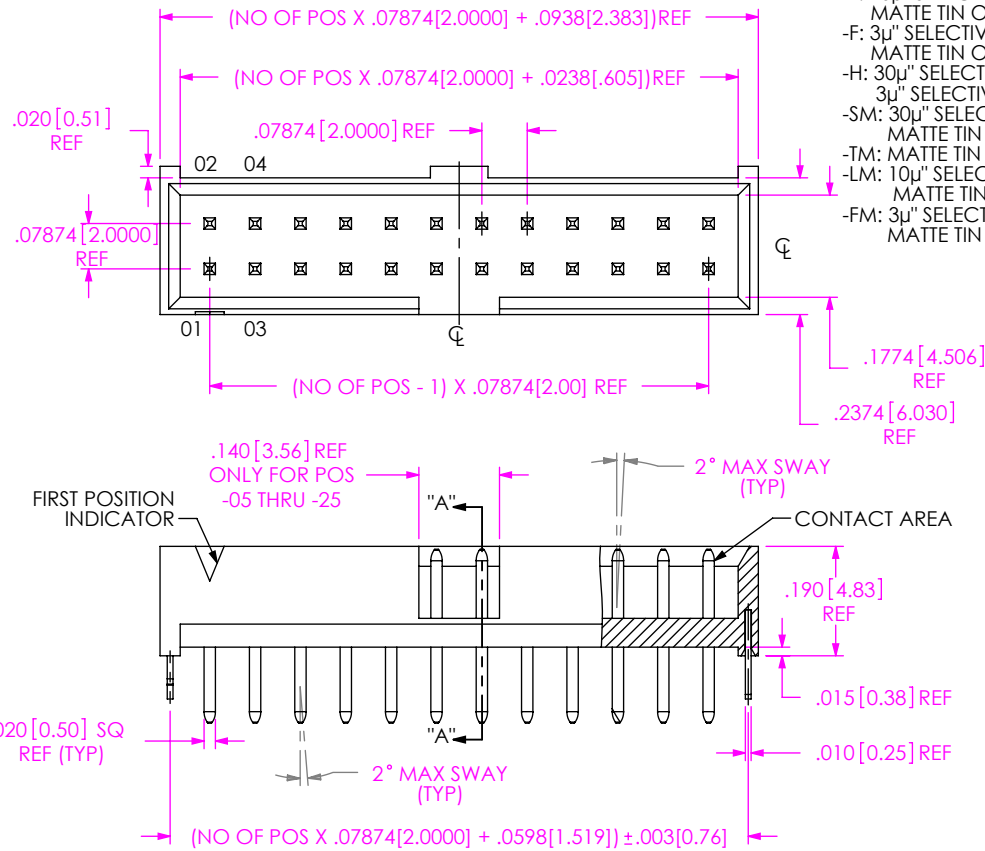


FIG 1  
THROUGH HOLE  
LTMM-112-02-XX-D-LC SHOWN

TABLE 1

THROUGH HOLE (SEE FIG 1)	LEAD STYLE	"A"	"B" REF	"C" REF	PIN A	PIN B
	-01	.100 [2.54]	.090 [2.30]	N/A	T-1S13-04-X-2	N/A
	-02	.120 [3.05]	.117 [3.00]	N/A	T-1S13-07-X-2	N/A
RIGHT ANGLE (SEE FIG 2, SHT 2)	-01	.100 [2.54]	.232 [5.90]	.390 [9.91]	T-1S13-05-X-2	T-1S13-06-X-2
	-02	.120 [3.05]	.228 [5.80]	.386 [9.80]	T-1S13-19-X-2	T-1S13-22-X-2
SURFACE MOUNT (SEE FIG 3, SHT 3)	-01	.100 [2.54]	.172 [4.40]	N/A	T-1S13-07-X-2	N/A
	-02	.120 [3.05]	.173 [4.40]	N/A	T-1S13-20-X-2	N/A

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 SHEET SCALE: 3:1

INSULATOR: LCP, COLOR: BLACK

TERMINAL: PHOSPHER BRONZE

DESCRIPTION: **LTMM ASSEMBLY**

DWG. NO. **LTMM-1XX-XX-XX-D-XX-XX-X-XX**

BY: BRYANT 05/28/1992 SHEET 1 OF 4

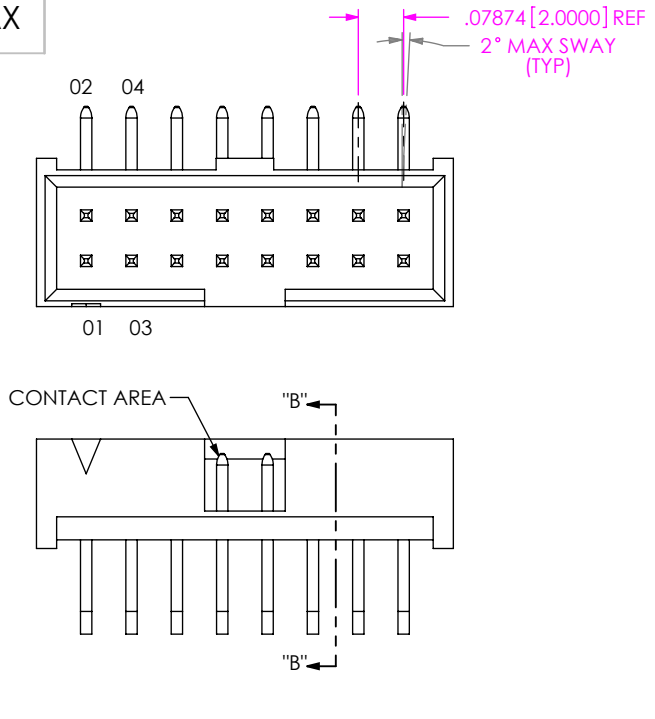
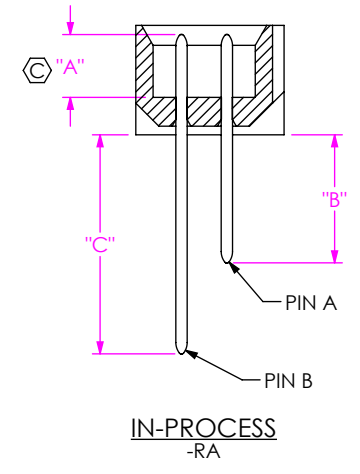
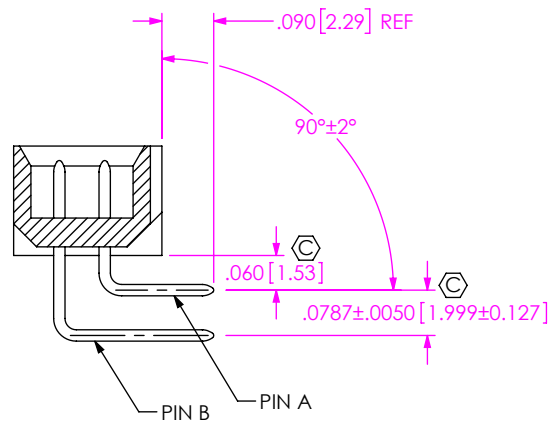


FIG 2  
RIGHT ANGLE  
LTMM-108-01-XX-D-RA SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



SECTION "B"-"B"

NOTE: "R" = USED MEASURED DIMENSION  
"S" =  $\{("R"-.250 [6.35]) / 2\} \pm .020 [0.51]$

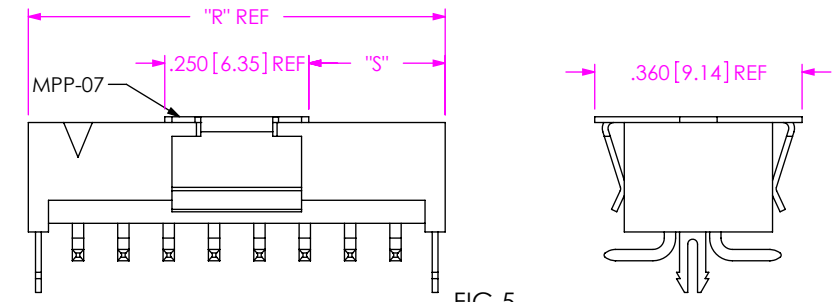


FIG 5  
-M: METAL PICK AND PLACE PAD  
LTMM-108-01-XX-D-SM-LC-M SHOWN  
FOR SURFACE MOUNT OPTIONS ONLY  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 3)

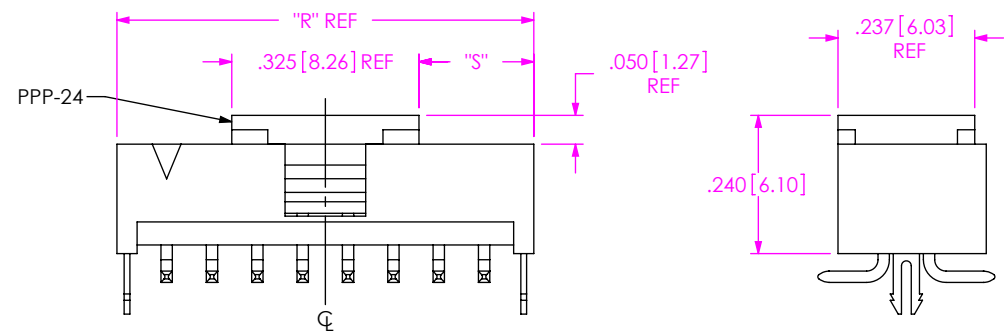


FIG 4  
-P: PICK AND PLACE PAD  
LTMM-108-01-XX-D-SM-LC-P SHOWN  
FOR SURFACE MOUNT OPTIONS ONLY  
(ONLY AVAILABLE IN 04-25 POSITIONS)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 3)

NOTE: "R" = USED MEASURED DIMENSION  
"S" =  $\{("R"-.325 [8.26]) / 2\} \pm .020 [.51]$

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

DESCRIPTION:	LTMM ASSEMBLY
DWG. NO.	LTMM-1XX-XX-XX-D-XX-XX-X-XX
BY: BRYAN T	05/28/1992 SHEET 2 OF 4

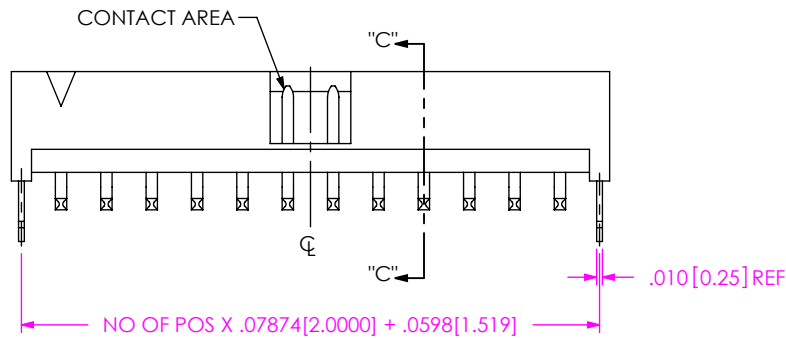
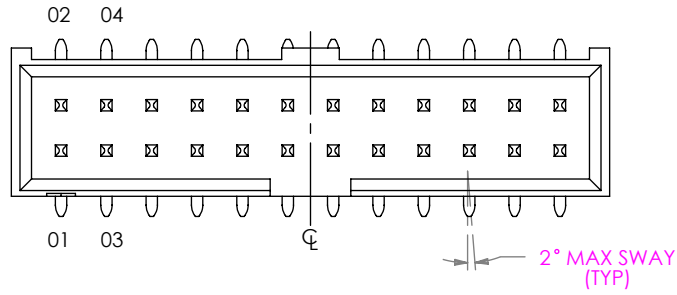
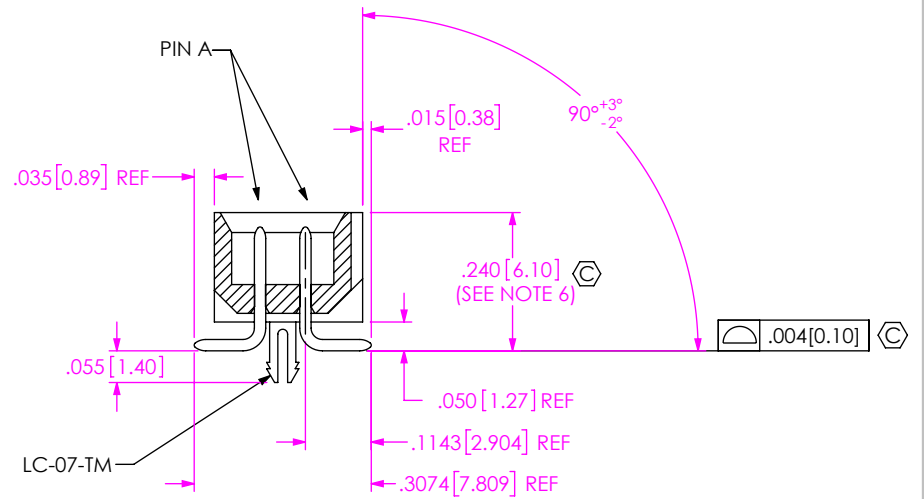
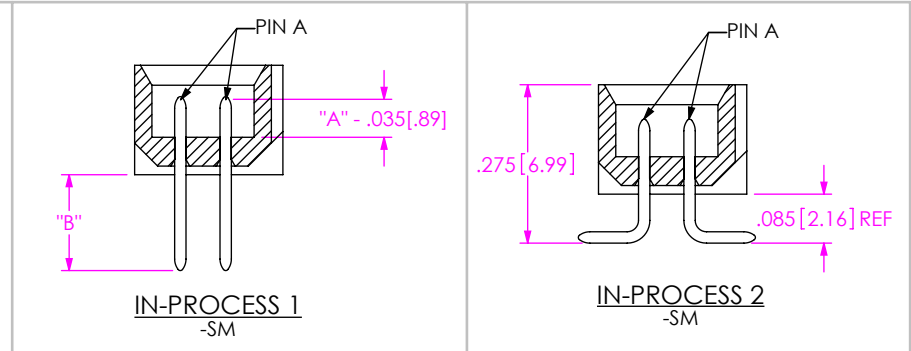


FIG 3  
SURFACE MOUNT  
LTMM-108-01-XX-D-SM-LC SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



SECTION "C"-"C"

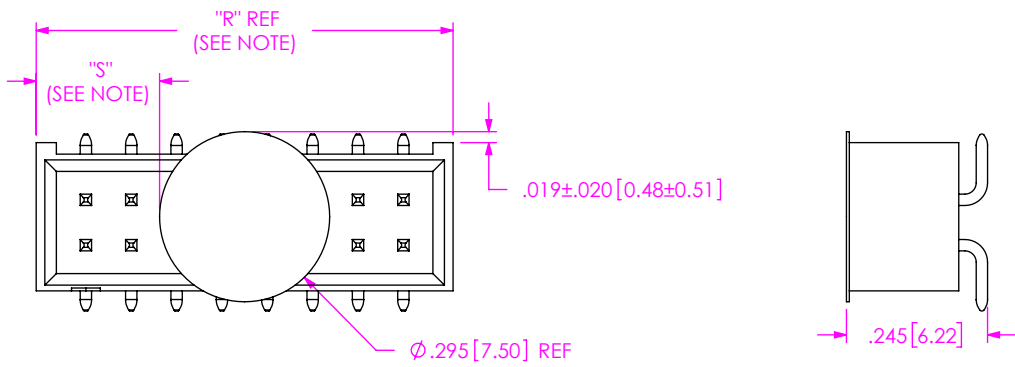


FIG 6  
-K OPTION (POLYIMIDE FILM)  
LTMM-108-01-XX-D-SM-K SHOWN  
FOR SURFACE MOUNT OPTIONS ONLY  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 3)

NOTE: "R" = USED MEASURED DIMENSION  
"S" = {("R"-.2953 [7.500]) / 2} ±.020 [.51]

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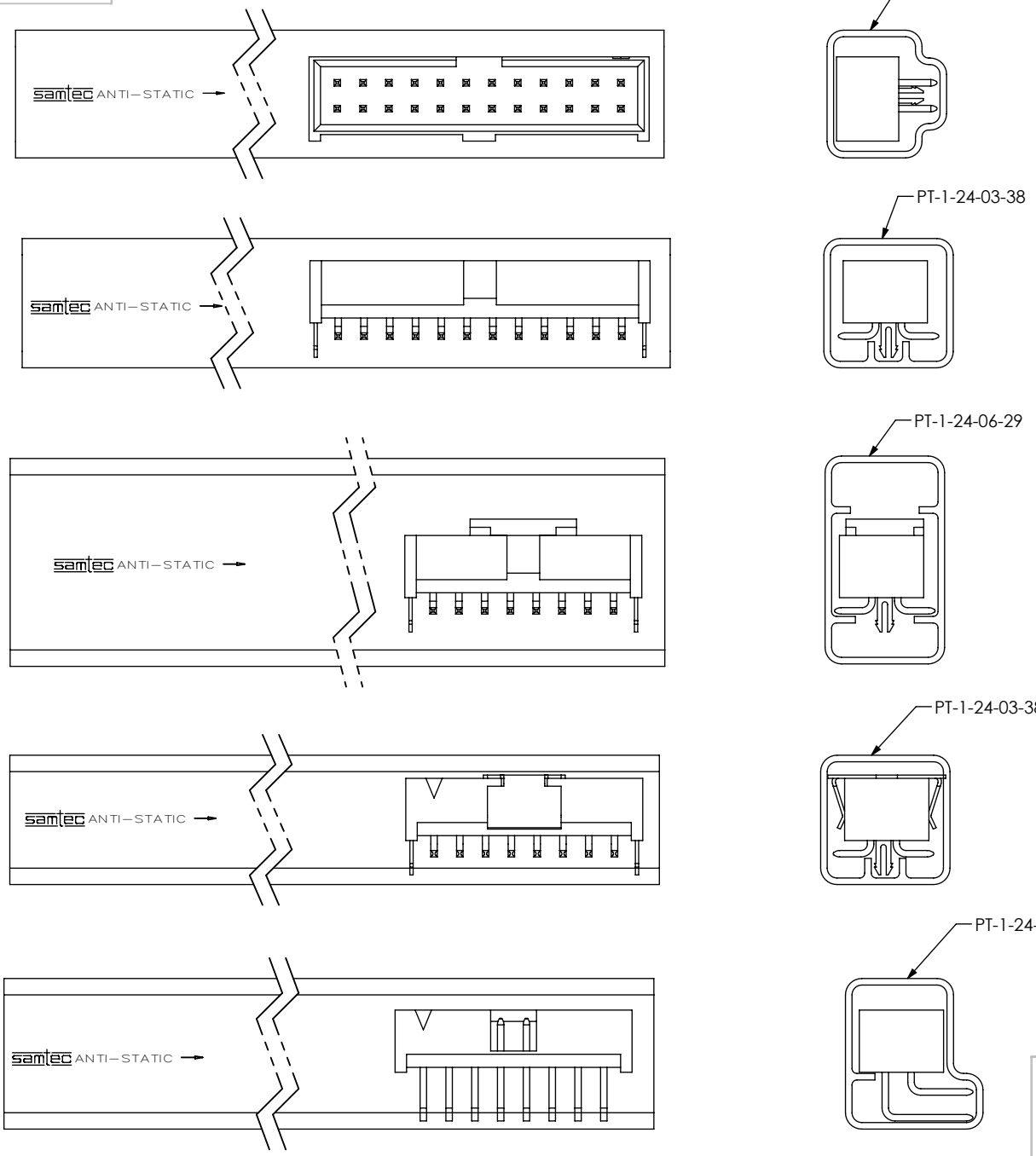


FIG 8  
TUBE PACKAGING VIEW

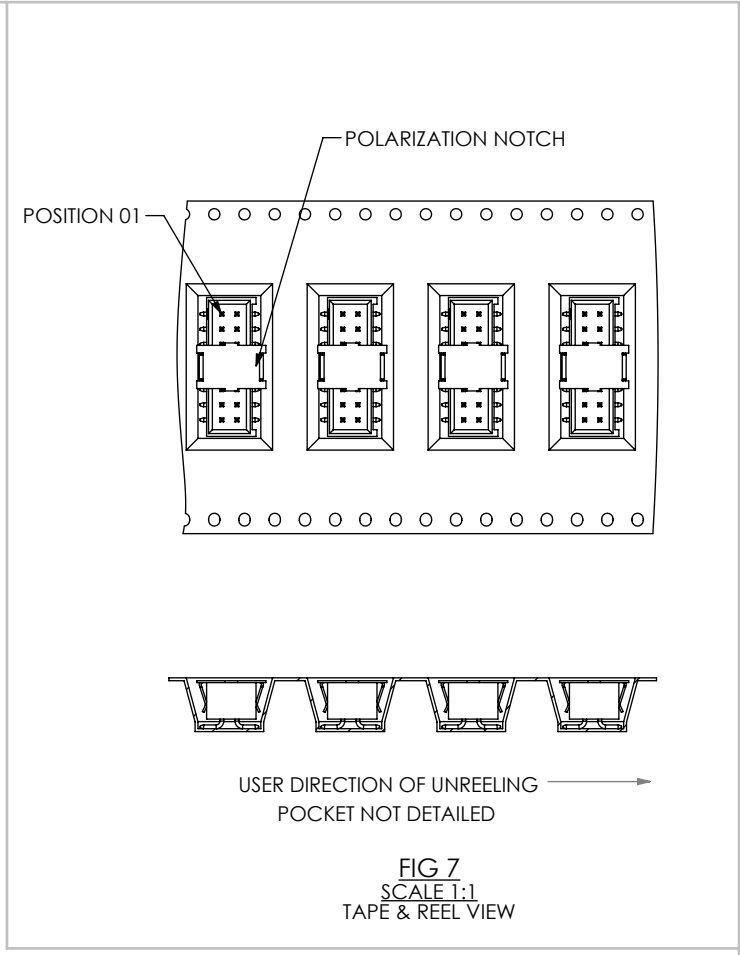


FIG 7  
SCALE 1:1  
TAPE & REEL VIEW

TABLE 2		
OPTIONS	PACKAGING TUBE	PLUG
STANDARD, -LC	PT-1-24-02-38	TP-03
-SM, -SM-LC, -SM-M, -SM-K	PT-1-24-03-38	TP-03
-SM-LC-P, -SM-P	PT-1-24-06-29	TP-07
-RA	PT-1-24-01-45	TP-03

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