

NOTES: [AO]

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.

DO NOT SCALE FROM THIS PRINT

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

No OF POSITIONS  
-02 THRU -25

POLARIZED OPTION  
XX INDICATES POS TO BE OMMITTED

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

PLATING SPECIFICATION  
[AO] -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: 15μ" 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: 15μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL  
-FM: 3μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL

OPTION  
LEAVE BLANK FOR THROUGH HOLE (SEE FIG 1 & TABLE 1)  
[AO] -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)  
-P: PICK & PLACE PAD (USE PPP-24, SEE FIG 4, SHT 2) (-SM OPTION ONLY)  
-M: METAL PICK AND PLACE PAD (USE MPP-07, SEE FIG 5, SHT 2) (-SM OPTION ONLY)  
-K: POLYAMIDE FILM (SEE FIG 6, SHT 3) (-SM OPTION ONLY)  
-TR: TAPE AND REEL (SEE FIG 7, SHT 4) (-SM OPTION ONLY)

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

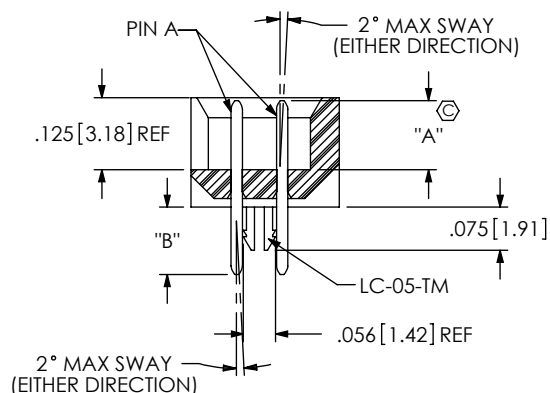
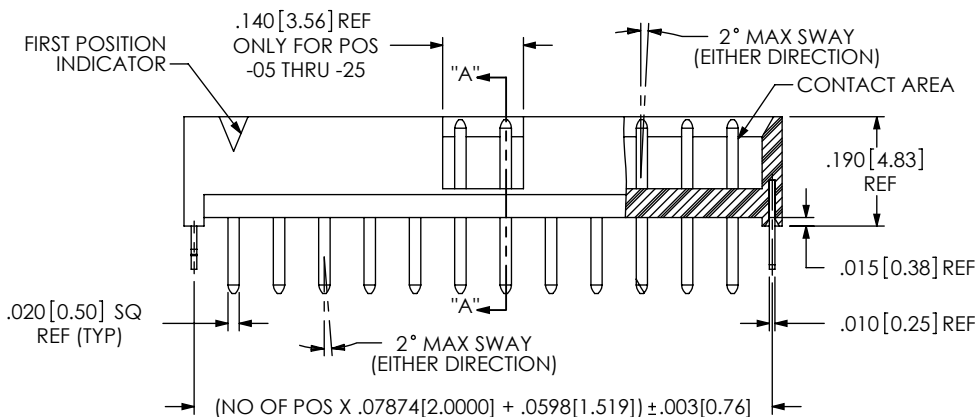
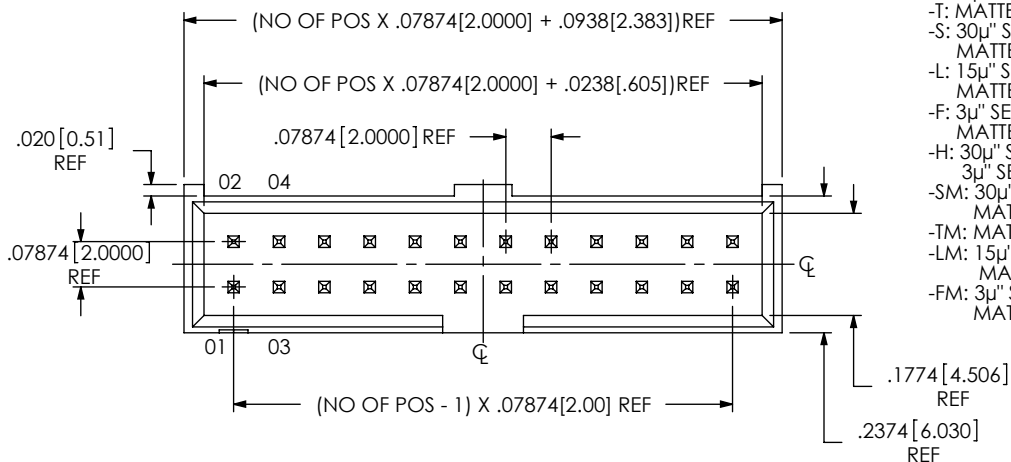


FIG 1 THROUGH HOLE LTMM-112-02-XX-D-LC SHOWN

SECTION "A"-"A"

[AO]

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-X2 | N/A          |
|                                  | -02        | .120 [3.05] | .117 [3.00] | N/A         | T-1S13-07-X2 | N/A          |
| RIGHT ANGLE (SEE FIG 2, SHT 2)   | -01        | .100 [2.54] | .232 [5.90] | .390 [9.91] | T-1S13-05-X2 | T-1S13-06-X2 |
|                                  | -02        | .120 [3.05] | .228 [5.80] | .386 [9.80] | T-1S13-19-X2 | T-1S13-22-X2 |
| SURFACE MOUNT (SEE FIG 3, SHT 3) | -01        | .100 [2.54] | .172 [4.40] | N/A         | T-1S13-07-X2 | N/A          |
|                                  | -02        | .120 [3.05] | .173 [4.40] | N/A         | T-1S13-20-X2 | N/A          |

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE:  
DECIMALS ANGLES  
.XX: ±.01 [.3] 2°  
.XXX: ±.005 [.13]  
.XXXX: ±.0020 [.051]

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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

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

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

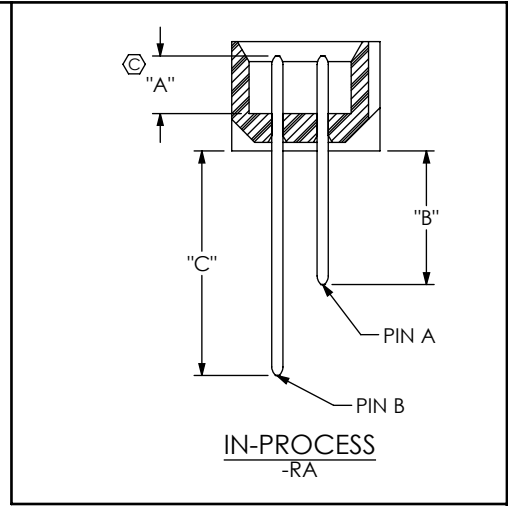
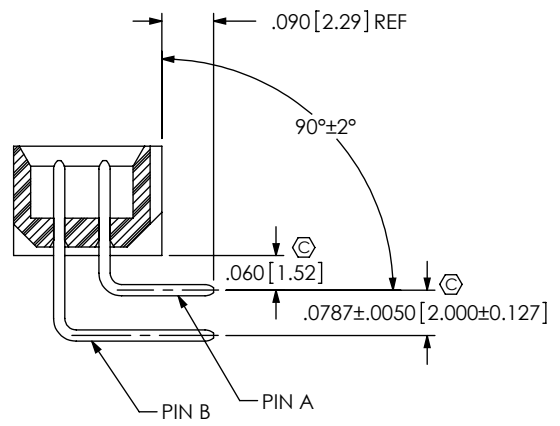
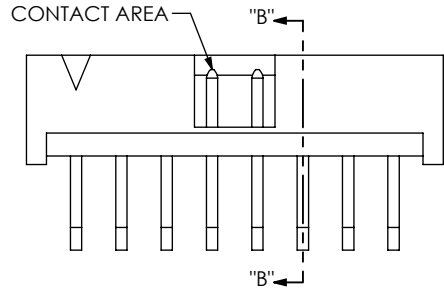
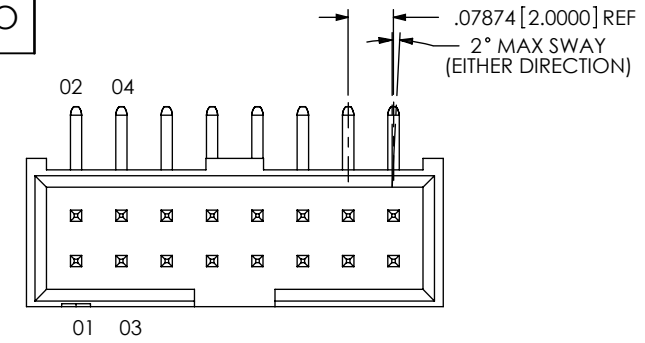


FIG 2  
RIGHT ANGLE  
LTMM-108-01-XX-D-RA SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

NOTE: "R" = USED MEASURED DIMENSION  
"S" = {"R"-.250 [6.35] /2} ±.020 [0.51]

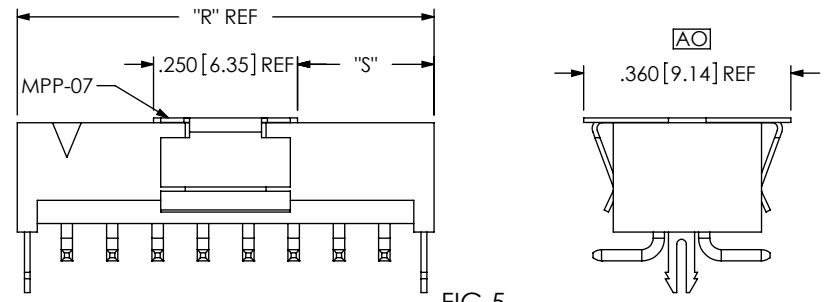


FIG 5  
-M: METAL PICK AND PLACE PAD  
LTMM-108-01-XX-D-SM-LC-M SHOWN  
FOR SURFACE MOUNT OPTIONS ONLY  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 3)

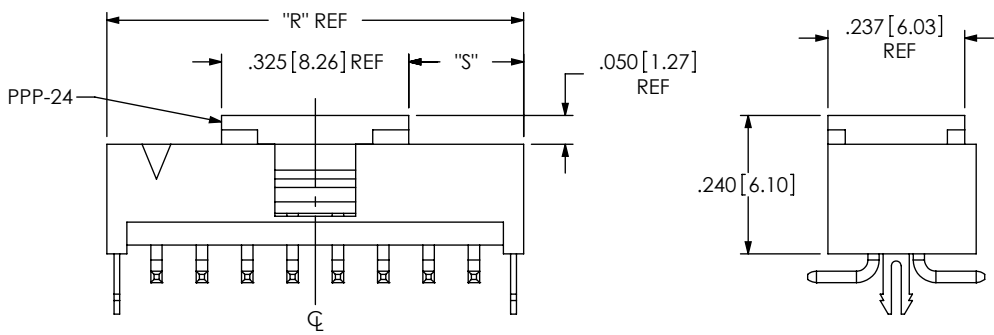


FIG 4  
-P: PICK AND PLACE PAD  
LTMM-108-01-XX-D-SM-LC-P SHOWN  
FOR SURFACE MOUNT OPTIONS ONLY  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 3)

NOTE: "R" = USED MEASURED DIMENSION  
"S" = {"R"-.325 [8.26] /2} ±.020 [.51]

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SHEET SCALE: 3:1



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

DESCRIPTION:  
LTMM ASSEMBLY

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

BY: BRYAN T 05/28/1992 SHEET 2 OF 4

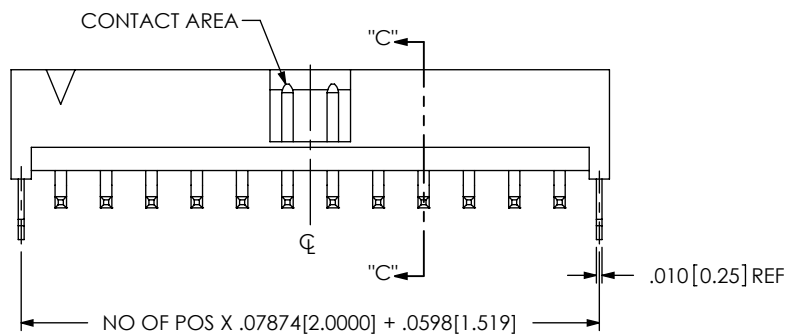
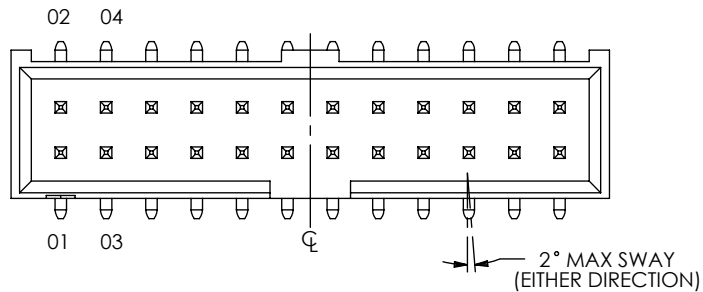
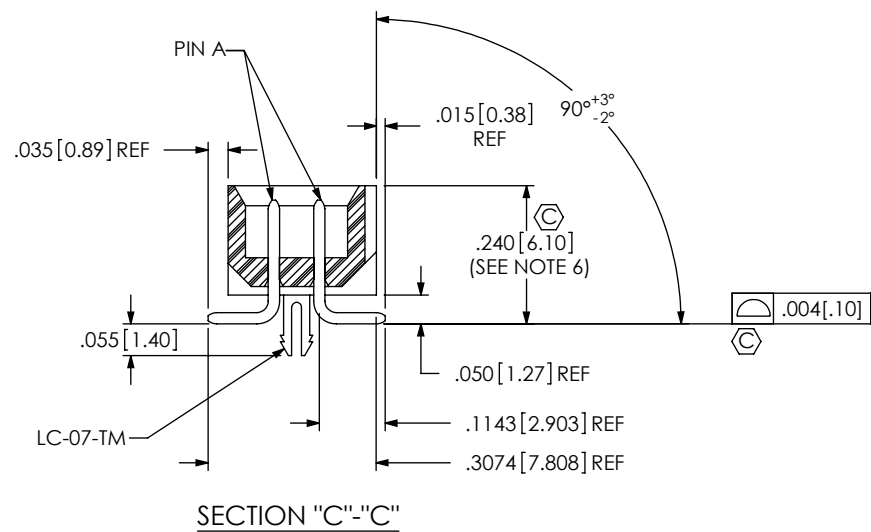
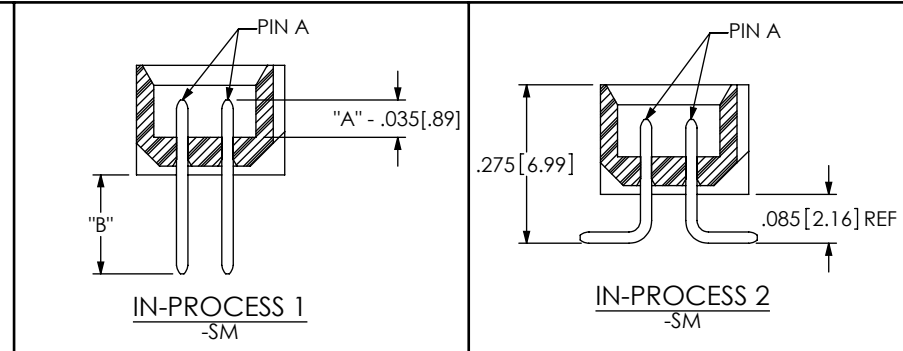


FIG 3 AO  
SURFACE MOUNT  
LTMM-108-01-XX-D-SM-LC SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



SECTION "C"-"C"

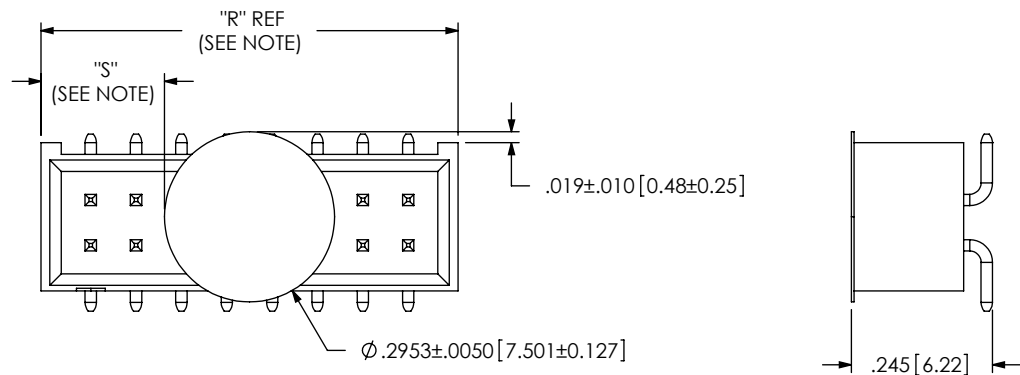


FIG 6 AO  
-K OPTION (POLYAMIDE FILM)  
LTMM-108-01-XX-D-SM-K SHOWN  
FOR SURFACE MOUNT OPTIONS ONLY  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 3)

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

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PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code: 55322

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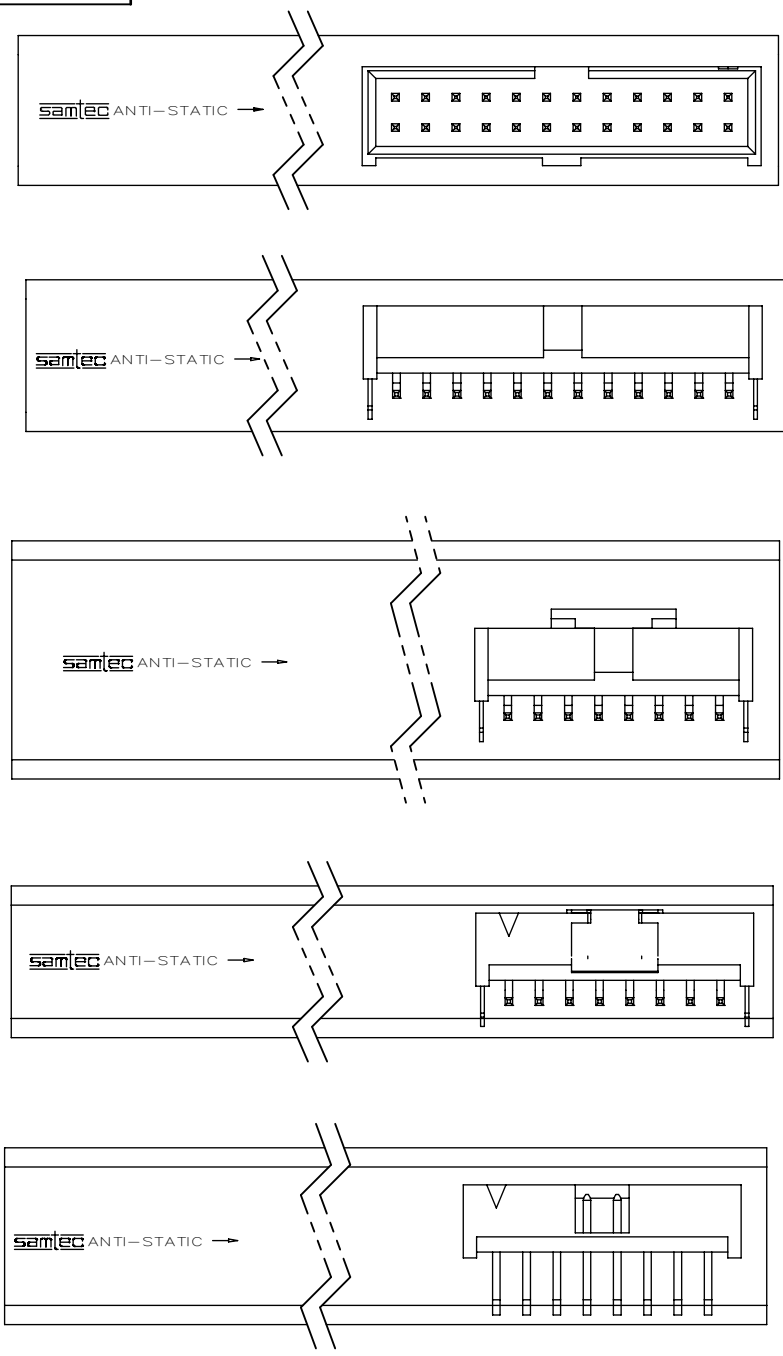


FIG 8  
TUBE PACKAGING VIEW

AO

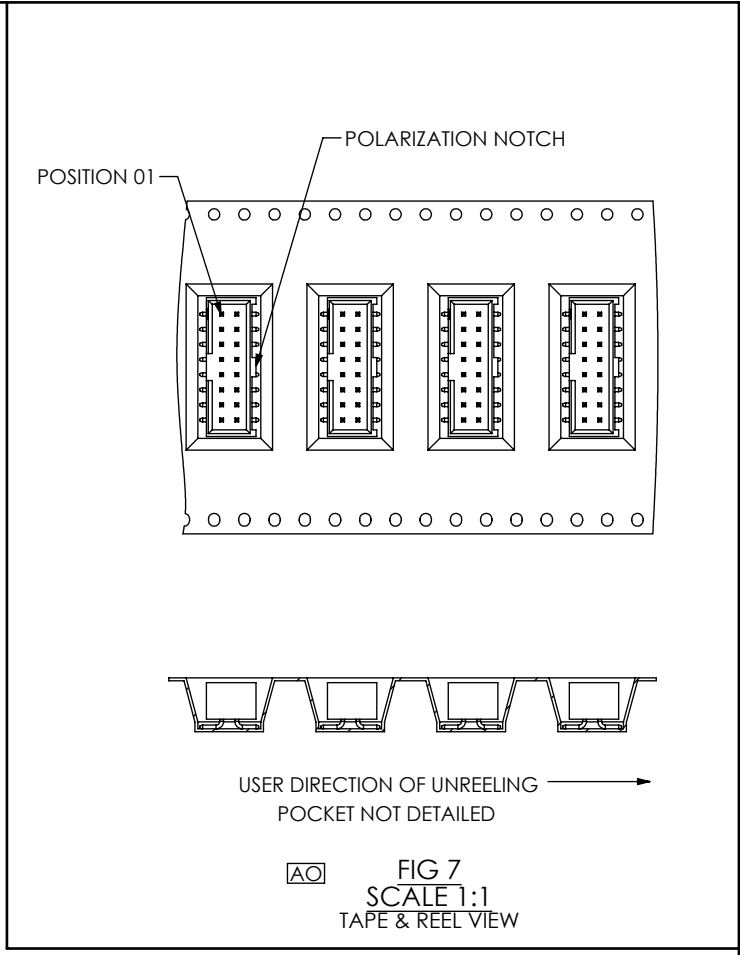
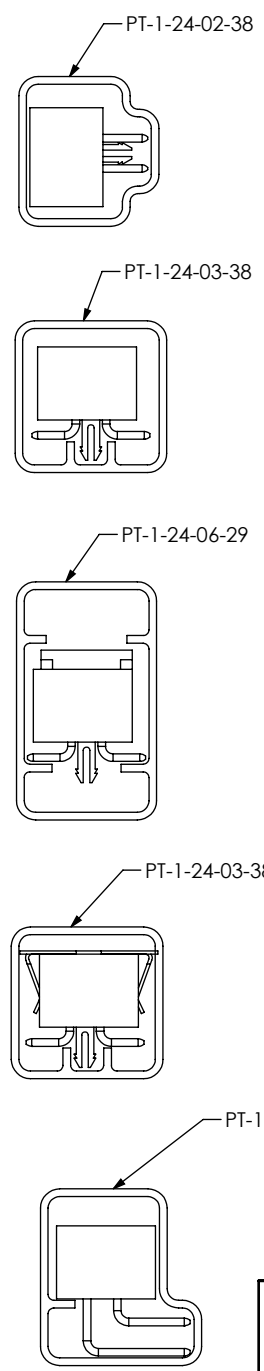


FIG 7  
SCALE 1:1  
TAPE & REEL VIEW

AO

| TABLE 2            |                |       |
|--------------------|----------------|-------|
| OPTIONS            | PACKAGING TUBE | PLUG  |
| STANDARD, -LC      | PT-1-24-02-38  | TP-03 |
| -SM, -SM-LC, -SM-M | 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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e-Mail: info@SAMTEC.com code: 55322

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