


# REVISION CP

## NOTES:

1.  REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSHOUT FORCE: .5 LB.
3. COPLANARITY: .004[0.10] = POS 05 THRU 26  
.006[0.15] = POS 27 THRU 50
4. TUBE ALL POSITIONS. PARTS TO BE TUBED WITH NOTCH GOING WITH ARROW.
5. PINS CAN BE ORIENTED IN ANY DIRECTION; BOTH ROWS MUST FACE SAME WAY.
6. SEE NOTCH FOR PROPER ORIENTATION.
7. MAXIMUM PIN HEIGHT VARIATION: .003[0.08].
8. DUE TO 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

\*: DIMENSIONS N/A FOR -N OPTION

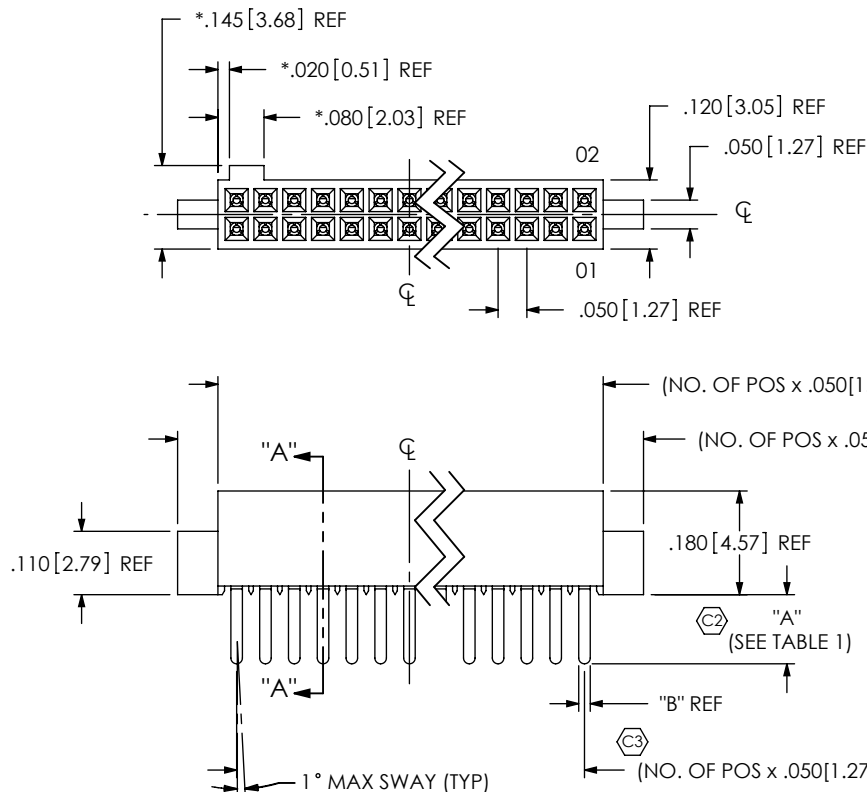


FIG 1  
THROUGH HOLE/STRAIGHT MODIFIED

TABLE 1

| SUFFIX | TAIL LENGTH "A" | TAIL WIDTH "B" |
|--------|-----------------|----------------|
| -X1    | .120[3.05]      | .020[0.51]     |
| -X3    | .075[1.91]      | .016[0.41]     |



SFM-1XX-XX-XXX-D-XXX

## NO OF POSITIONS

ALL POSITIONS AVAILABLE  
-02 THRU -50  
(USE BODY: SFM-XX-D-XX-X)

## LEAD STYLE

- 01: THROUGH HOLE  
(USE CONTACT: C-44-01-XXX)  
(SEE FIG. 1, SHT. 1)
- 02: SURFACE MOUNT  
(USE CONTACT: C-44-02-XXX)  
(SEE FIG. 2, SHT. 2)
- 03: STRAIGHT MODIFIED  
(USE CONTACT: C-44-03-XXX)  
(SEE FIG. 1, SHT. 1)
- L1: THROUGH HOLE (LOW INSERTION)  
(USE CONTACT: C-61-01-XXX)  
(SEE FIG. 1, SHT. 1)
- L2: SURFACE MOUNT (LOW INSERTION)  
(USE CONTACT: C-61-02-XXX)  
(SEE FIG. 2, SHT. 2)
- L3: STRAIGHT MODIFIED (LOW INSERTION)  
(USE CONTACT: C-61-03-XXX)  
(SEE FIG. 1, SHT. 1)
- T1: THROUGH HOLE (PHOS BRONZE)  
(USE CONTACT: C-119-01-XXX)  
(SEE FIG. 1, SHT. 1)
- T2: SURFACE MOUNT (PHOS BRONZE)  
(USE CONTACT: C-119-02-XXX)  
(SEE FIG. 2, SHT. 2)

## OPTIONS

- (LEAVE BLANK FOR STANDARD AND USE SFM-XX-D)
- N: NO POLARIZATION NOTCH  
(USE SFM-XX-D-XX-N)
- A: ALIGNMENT PIN (USE SFM-XX-D-A-X)  
(SEE FIG. 4, SHT. 2)
- LC: LOCKING CLIP (SEE FIG. 6, SHT. 3 & NOTE 8)  
(AVAILABLE ON ALL LEADS)
- P: PICK AND PLACE PAD  
(SEE FIG. 5, SHT. 2)
- TR: TAPE & REEL (SEE SHT 4)  
(NOT AVAILABLE WITH -SD OPTION)
- K: POLYIMIDE FILM PAD (.005[0.13] THICKNESS WITH SILICONE ADHESIVE)  
(SEE FIG. 3, SHT. 2) (USE K-500-300)
- SN: SOLDER NAIL FOR .062 BOARD  
(SFM-XX-D-SN AND WT-27-01-T)  
(AVAILABLE WITH LEAD STYLE -02, -L2 & -T2)  
(NOT AVAILABLE WITH -A & -LC)
- SN2: SOLDER NAIL FOR .093 BOARD  
(SFM-XX-D-SN AND WT-27-02-T)  
(AVAILABLE WITH LEAD STYLE -02, -L2 & -T2)  
(NOT AVAILABLE WITH -A & -LC)
- \*\*SD: SCREW DOWN FOR .062 BOARD  
(ONLY AVAILABLE WITH -01 & -02 LEAD STYLE)  
(NOT AVAILABLE WITH OPTIONS -N, -A, -LC, -RA, -SA, -WT, -RE1, -RE2, SN, OR SN2)  
(SFM-XX-D-SD, CPS-RR-XX-XX-X & ACCRT-01)  
(SEE FIG. 8, SHT. 3)

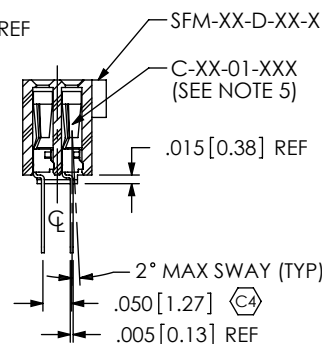
(\*\* = NOT RELEASED FOR PRODUCTION)

## BODY SPECIFICATION

-D: DOUBLE ROW

## PLATING SPECIFICATION

- S: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- F: 3μ" FLASH SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- H: 30μ" HEAVY GOLD IN CONTACT AREA, 3μ" GOLD ON TAIL
- L: 10μ" LIGHT SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- STL: 30μ" SELECTIVE GOLD IN CONTACT AREA, TIN/LEAD (90/10+/-5%) TAIL  
(ONLY AVAILABLE ON -02 OR -L2 LEADSTYLES)
- SM: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- FM: 3μ" FLASH SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- LM: 10μ" LIGHT SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL



SECTION "A"-"A"

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS ANGLES  
.XX: ±.01 [.3]  
.XXX: ±.005 [.13]  
.XXXX: ±.0020 [.051]  
2°

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 3:1  
INSULATOR: LCP, COLOR: BLACK  
CONTACT: TIGER EYE = BeCu  
TIGER EYE LITE = PHOSPHOR BRONZE

F:\DWG\MISC\MKTG\SFM-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 x .050 SOCKET STRIP DOUBLE ROW ASSEMBLY

DWG. NO.

SFM-1XX-XX-XXX-D-XXX

BY: JORDAN 12/11/89

SHEET 1 OF 4

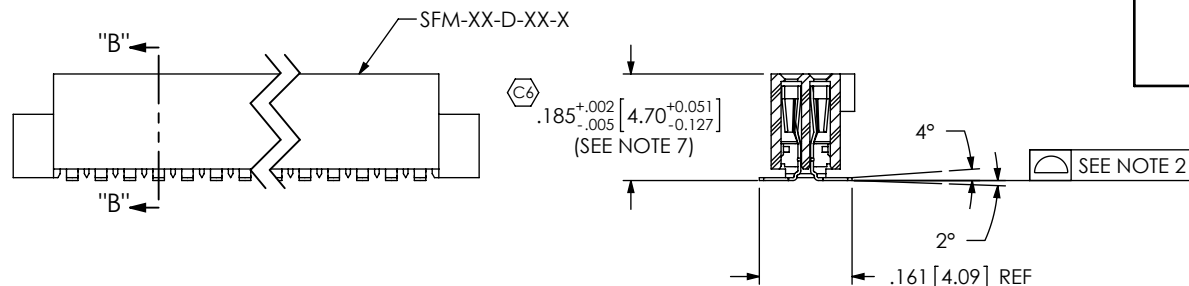
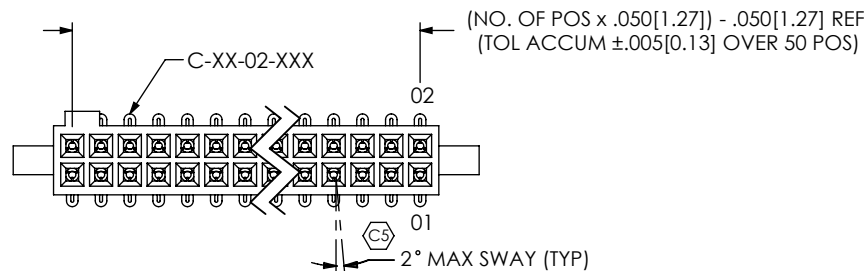


FIG 2  
-X2: SURFACE MOUNT  
(SAME AS FIG 1, DIFFERENT AS SHOWN)

SECTION "B"-"B"

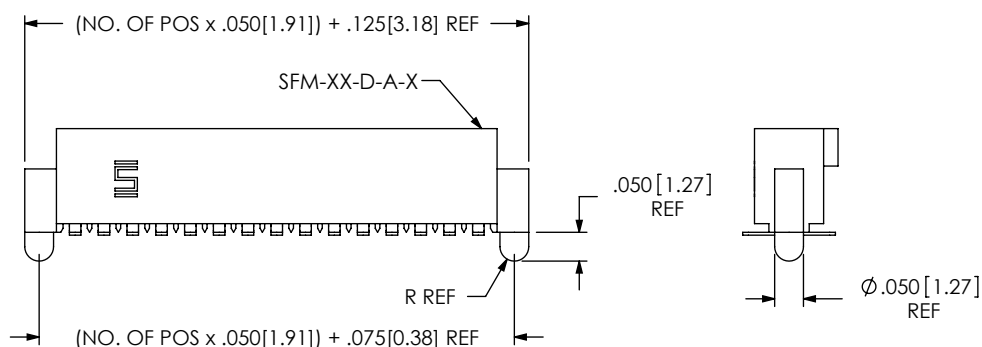


FIG 4  
-A: ALIGNMENT PIN  
(SAME AS FIG 1, DIFFERENT AS SHOWN)

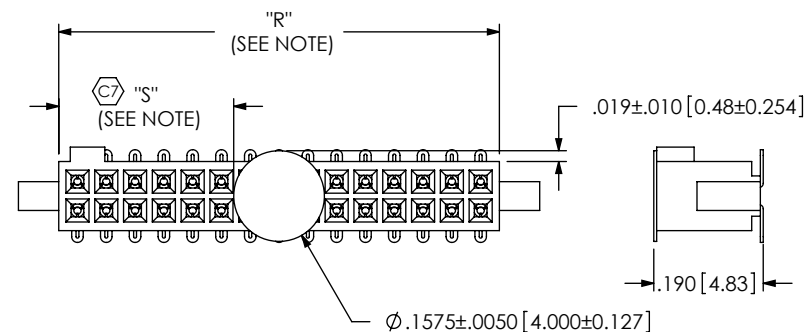


FIG 3  
-K: POLYIMIDE FILM PAD  
(SAME AS FIG 1, DIFFERENT AS SHOWN)  
NOTE: "R" = USED MEASURED DIMENSION REF  
"S" = {"R" - .1575[4.000]}/2 ±.020[0.51]

| TABLE 2 |  |
|---------|--|
| POS.    | "A"  |
| ODD     | {(No. OF POS x .050[1.27])/2} - .1895[4.813] |
| EVEN    | {(No. OF POS x .050[1.27])/2} - .2145[5.448] |

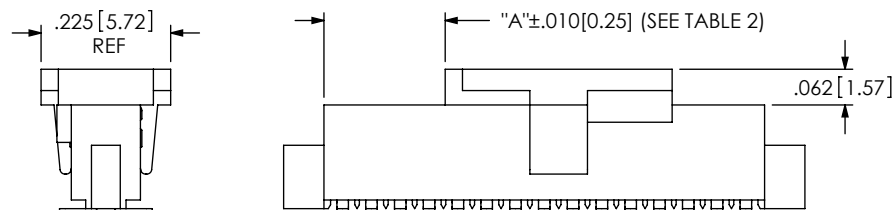
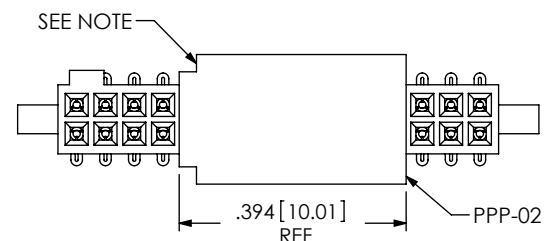


FIG 5  
-P: PICK AND PLACE PAD  
(PAD TO BE ORIENTED A SHOWN FOR 5-12 POSITION PARTS)  
(FOR 13-50 POSITION PARTS, PAD MAY BE ORIENTED IN EITHER DIRECTION)  
(SAME AS FIG 1, DIFFERENT AS SHOWN)

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e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:  
.050 x .050 SOCKET STRIP DOUBLE ROW ASSEMBLY

DWG. NO.  
**SFM-1XX-XX-XXX-D-XXX**

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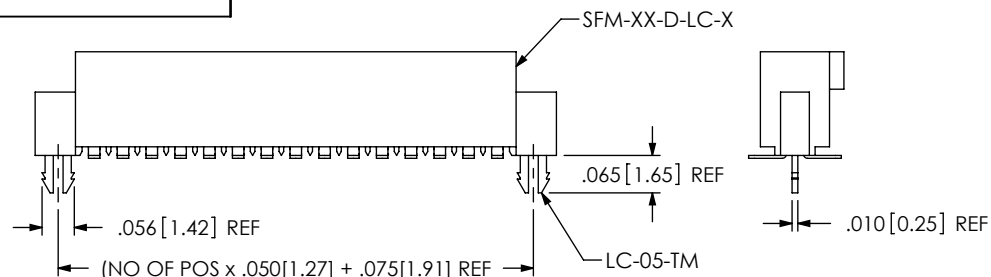
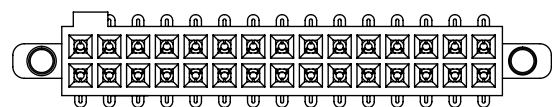
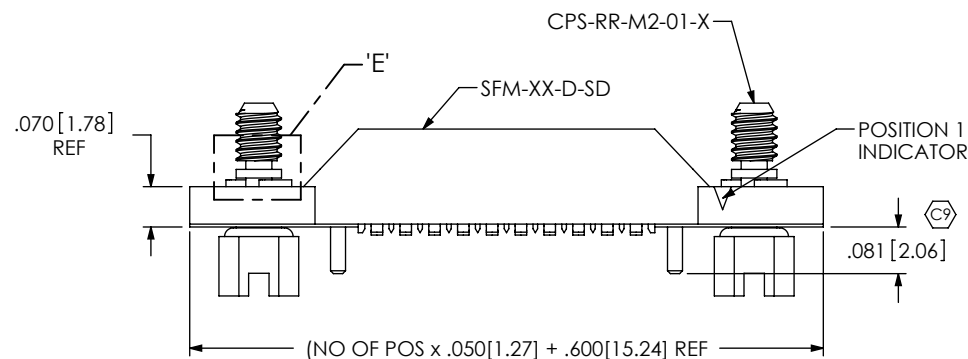
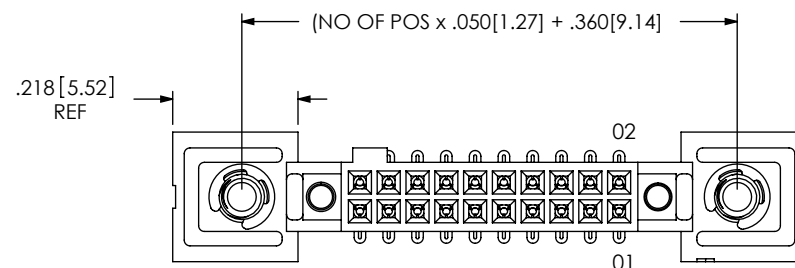
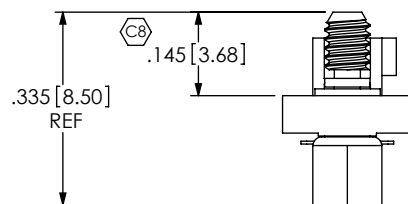


FIG 6  
-LC: LOCKING CLIP  
(SAME AS FIG 1, DIFFERENT AS SHOWN)  
(AVAILABLE IN ALL LEADS)



| TABLE 3 |             |
|---------|-------------|
| OPTION  | "C"         |
| -SN     | .066 [1.68] |
| -SN2    | .101 [1.80] |

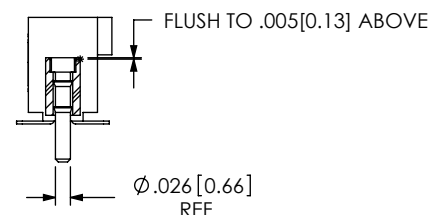
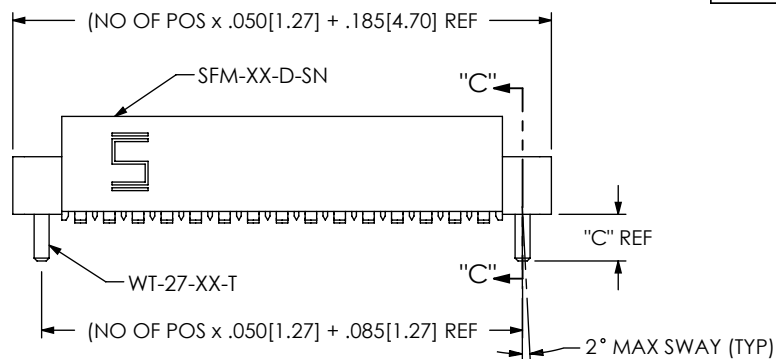


FIG 7  
-SNX: SOLDER NAIL  
(SAME AS FIG 1, DIFFERENT AS SHOWN)

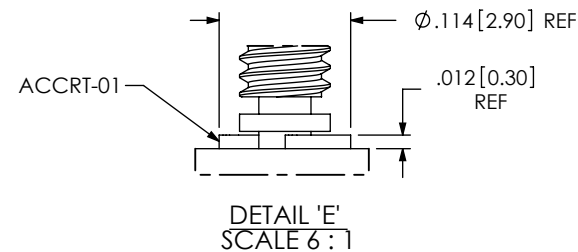


FIG 8  
-SD: SCREW DOWN  
(SAME AS FIG 7, DIFFERENT AS SHOWN)  
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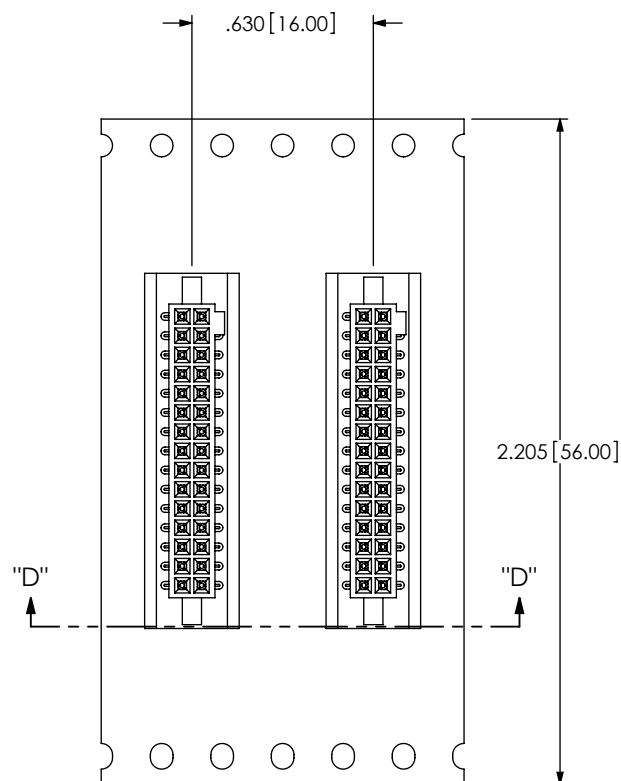
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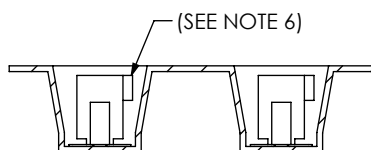
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.050 x .050 SOCKET STRIP DOUBLE ROW ASSEMBLY

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**SFM-1XX-XX-XXX-D-XXX**

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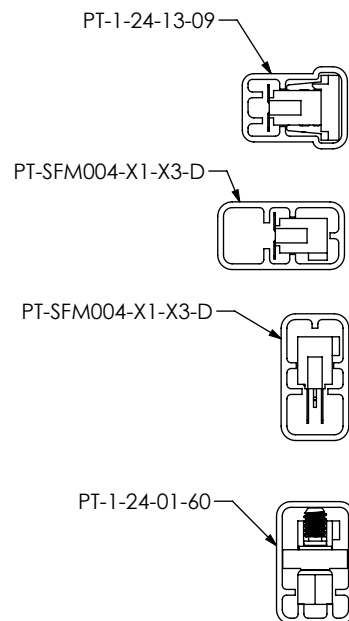


UNWINDING DIRECTION →

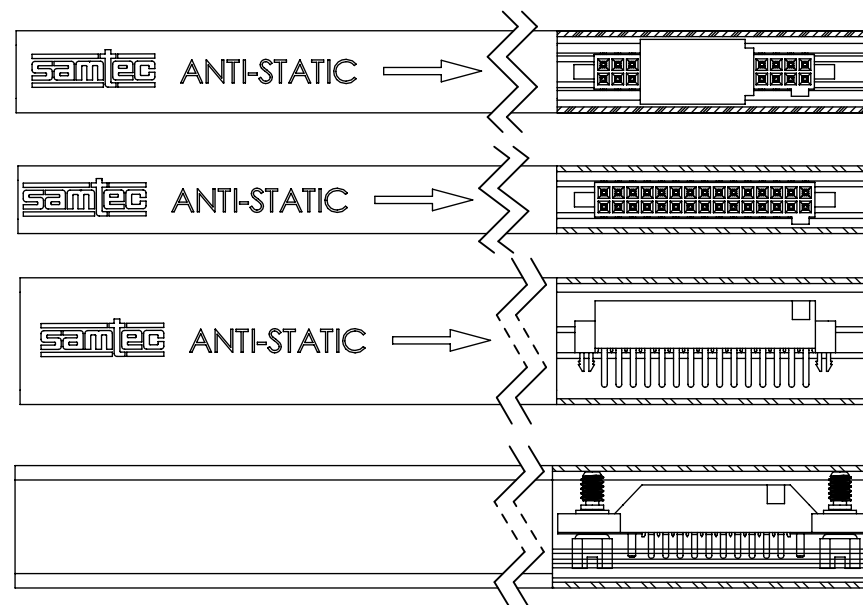


SECTION "D"- "D"  
SCALE 2 : 1

PACKAGING VIEW  
-TR: TAPE AND REEL



**CN** PACKAGING VIEW  
PACKAGE PARTS IN TUBES AS SHOWN (SEE NOTE 4)



| LEAD STYLE   | PACKAGING TUBE    | PLUG     |
|--|-------------------|----------|
| -105-X2-X-D, -105X2-X-D-LC, -105-X2-D-A, -105-X2-D-K-LC                  | PT-SFM004-X1-X3-D | TP-24-02 |
| -X1-D, -X3-D, -X1-D-LC, -X3-D-LC, (NO P&P PAD), X1-D-A, -X3-D-A, -X1-D-K | PT-SFM004-X1-X3-D | TP-24-02 |
| -X1-D-P, -X1-D-LC-P (WITH P&P PAD), X1-D-A-P                             | PT-1-24-02-17     | TP-09    |
| -X2-D, -X2-D-K, -X2-D-LC (NO P&P PAD), X2-D-A, -X2-D-K-A                 | PT-SFM004-X1-X3-D | TP-24-02 |
| -X2-D-P, -X3-D-P, -X2-D-LC-P (WITH P&P PAD), -X2-D-A-P, X3-D-A-P         | PT-1-24-13-09     | TP-24    |
| -01-SD, -02-SD   | PT-1-24-01-60     | TP-03    |

5 POS -01 AND -03 LEAD STYLES MAY BE TUBED USING PT-1-24-15-09, TP-24-02

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