

1. $\text{\textcircled{C}}$ 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

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

No OF POSITIONS
ALL POSITIONS AVAILABLE
-02 THRU -50
(USE BODY: SFM-XX-D-XX-X)

- 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

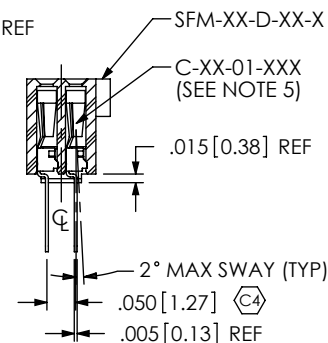
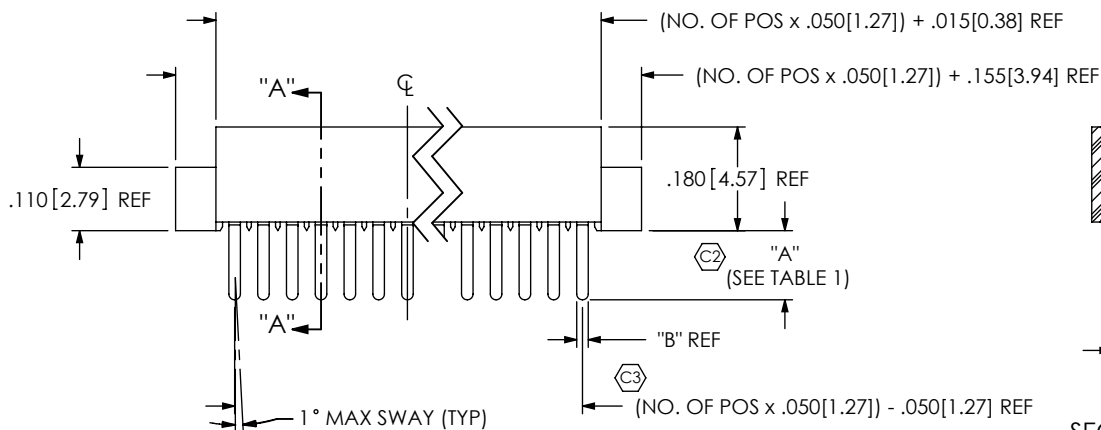
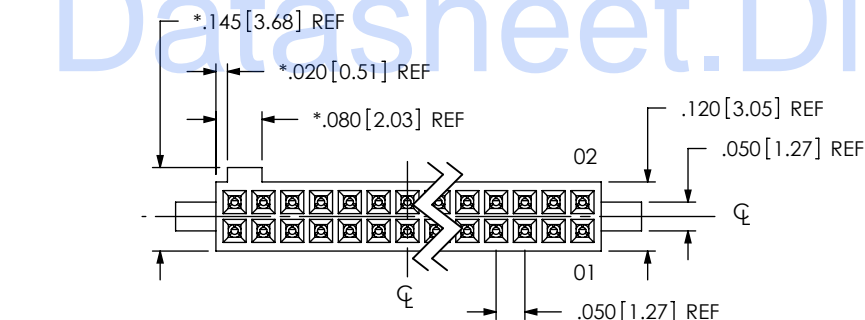
PLATING SPECIFICATION $\text{\textcircled{CP}}$

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

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)

*: DIMENSIONS N/A FOR -N OPTION



SECTION "A"-"A"

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]

$\text{\textcircled{CP}}$

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

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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

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

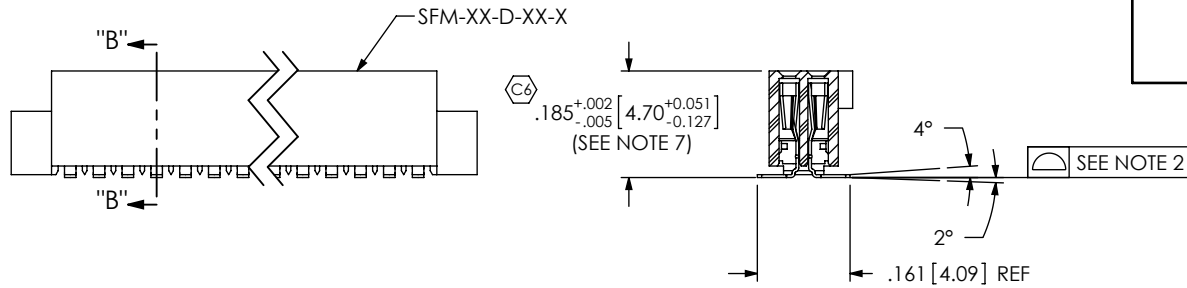
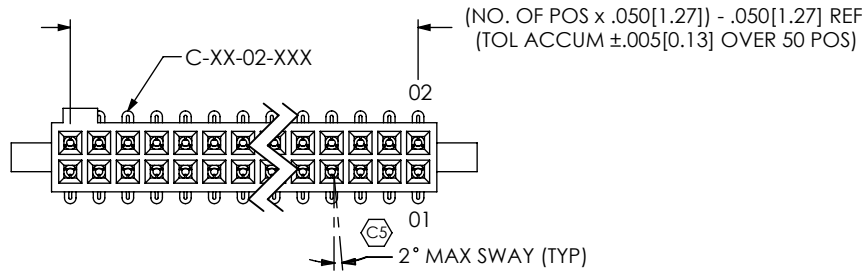


FIG 2
-X2: SURFACE MOUNT
(SAME AS FIG 1, DIFFERENT AS SHOWN)

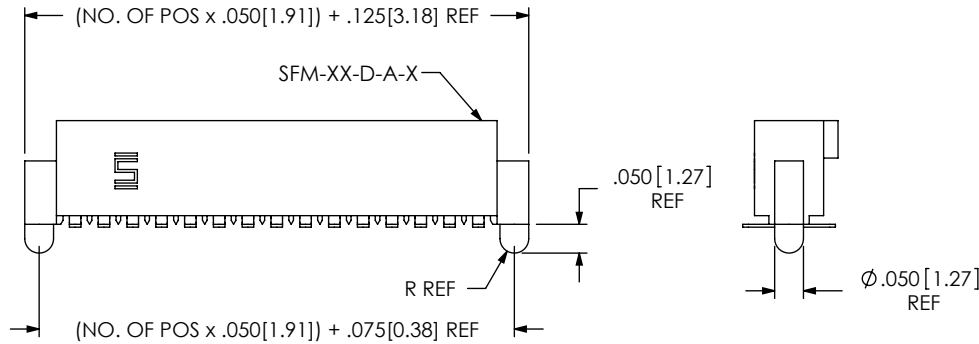


FIG 4
-A: ALIGNMENT PIN
(SAME AS FIG 1, DIFFERENT AS SHOWN)

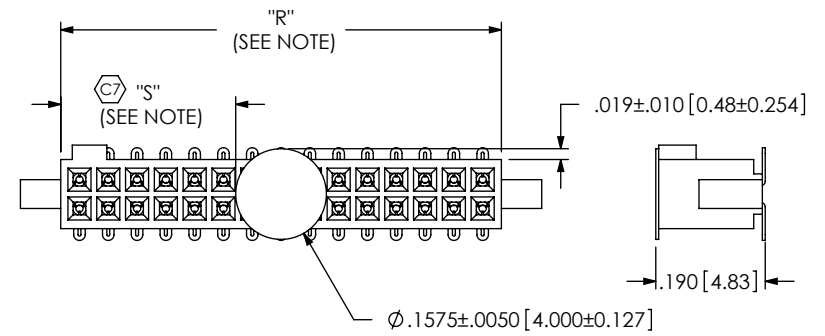


FIG 3
-K: POLYIMIDE FILM PAD
(SAME AS FIG 1, DIFFERENT AS SHOWN)
NOTE: "R" = USED MEASURED DIMENSION REF
"S" = {"R" - .1575[4.000]}/2±.020[0.51]

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]}

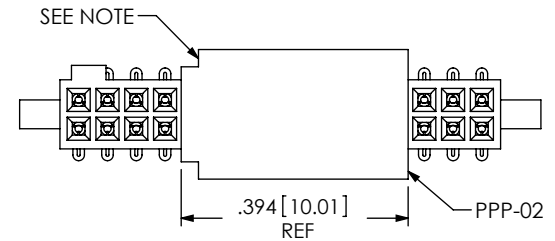


FIG 5
-P: PICK AND PLACE PAD
(PAD TO BE ORIENTED AS SHOWN FOR 5-12 POSITION PARTS)
(FOR 13-50 POSITION PARTS, PAD MAY BE ORIENTED IN EITHER DIRECTION)
(SAME AS FIG 1, DIFFERENT AS SHOWN)

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

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

BY: JORDAN 12/11/89 SHEET 2 OF 4

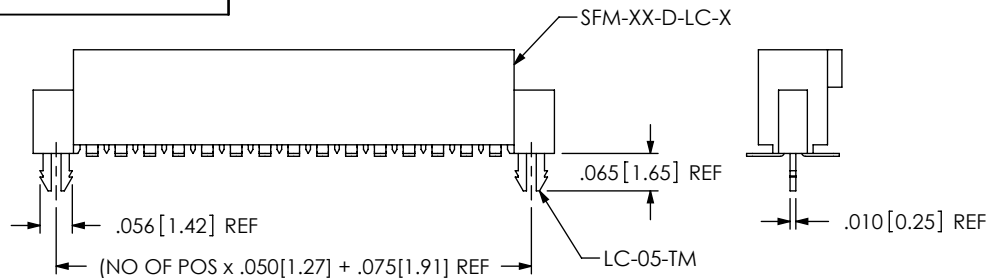


FIG 6
-LC: LOCKING CLIP
(SAME AS FIG 1, DIFFERENT AS SHOWN)
(AVAILABLE IN ALL LEADS)

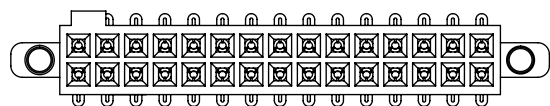
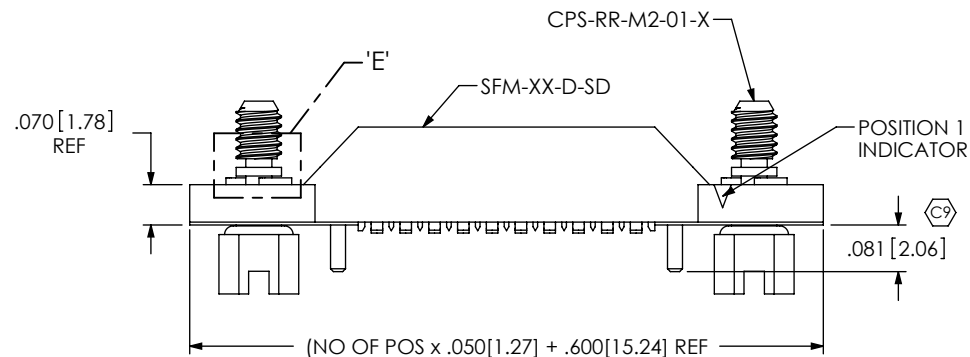
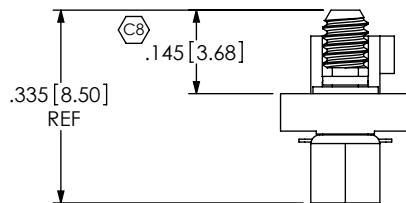
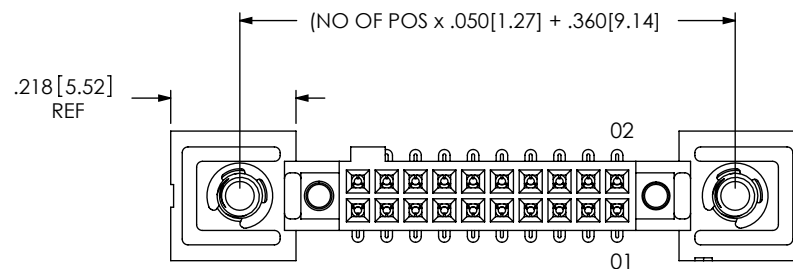


TABLE 3	
OPTION	"C"
-SN	.066 [1.68]
-SN2	.101 [1.80]

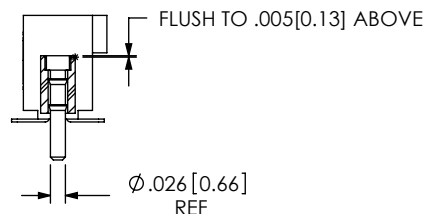
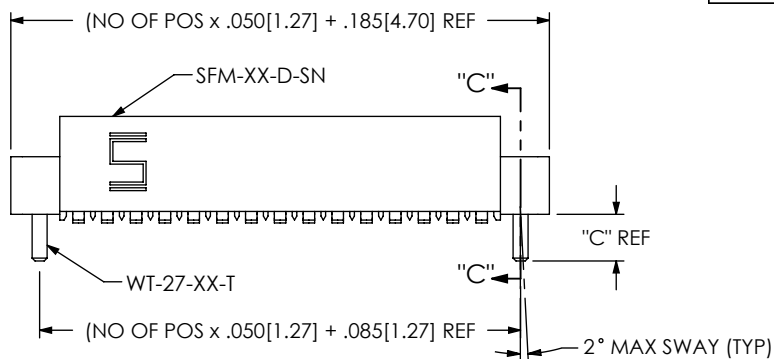


FIG 7
-SNX: SOLDER NAIL
(SAME AS FIG 1, DIFFERENT AS SHOWN)

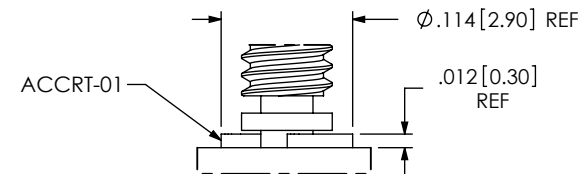


FIG 8
-SD: SCREW DOWN
(SAME AS FIG 7, DIFFERENT AS SHOWN)
(NOT RELEASED FOR PRODUCTION)

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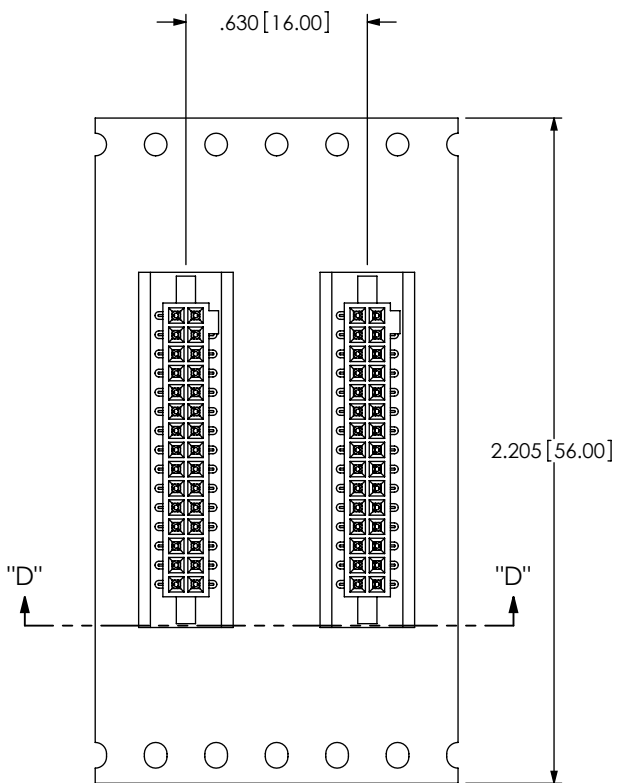
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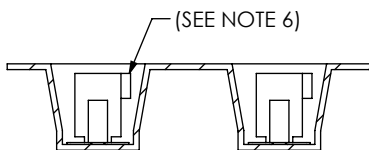
DESCRIPTION:
.050 x .050 SOCKET STRIP DOUBLE ROW ASSEMBLY

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

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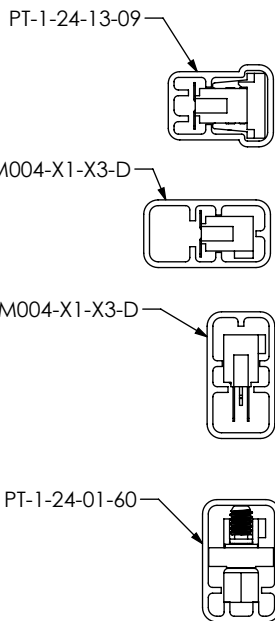


UNWINDING DIRECTION →

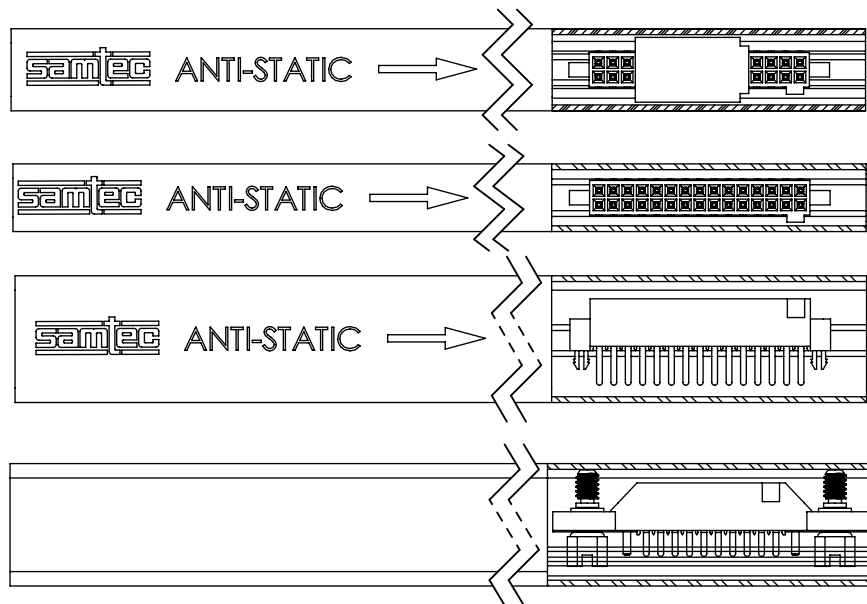


SECTION "D"- "D"
SCALE 2 : 1

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

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