

NOTES:

1. \odot 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

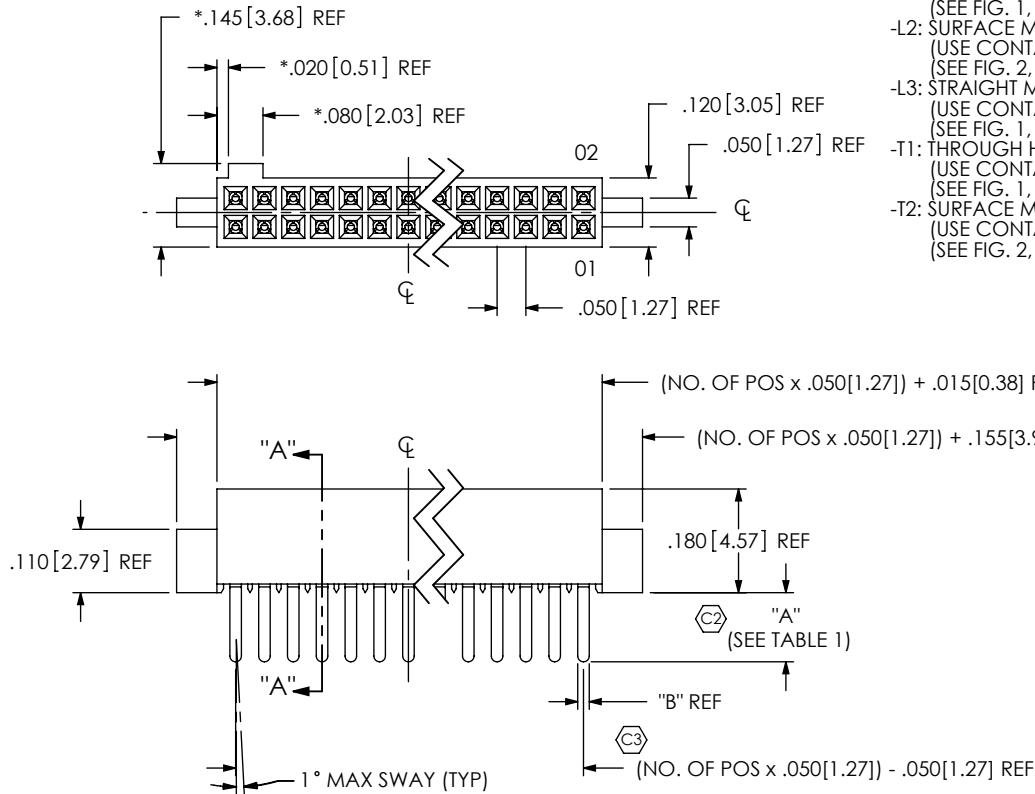
FIG 1
THROUGH HOLE/STRAIGHT MODIFIED

TABLE 1

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

CP

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)

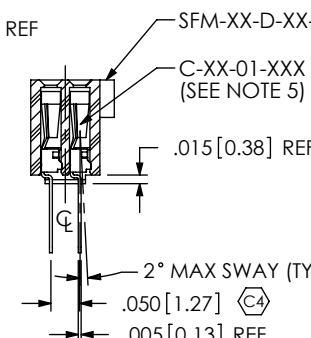
- OPTIONS
(LEAVE BLANK FOR STANDARD AND USE SFM-XX-D)
- N: NO POLARIZATION NOTCH
(USE SFM-XX-D-XX-N)
- A: ALIGNMENT PIN (USE SFM-XX-D-A-X)
(SEE FIG. 4, SHT 2)
- LC: LOCKING CLIP (SEE FIG. 6, SHT. 3 & NOTE 8)
(AVAILABLE ON ALL LEADS)
- P: PICK AND PLACE PAD
(SEE FIG. 5, SHT 2)
- TR: TAPE & REEL (SEE SHT 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)
- 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 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



SECTION "A"-A"

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS ANGLES
.XX: $\pm .01$ [.3] 2°
.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
F:\DWG\MISC\MKTG\SFM-1XX-XX-XXX-D-XXX-MKT.SLDDRW

Samtec

520 PARK EAST BLVD, NEW ALBANY, IN 47150
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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

BY: JORDAN 12/11/89 SHEET 1 OF 4

REVISION CP

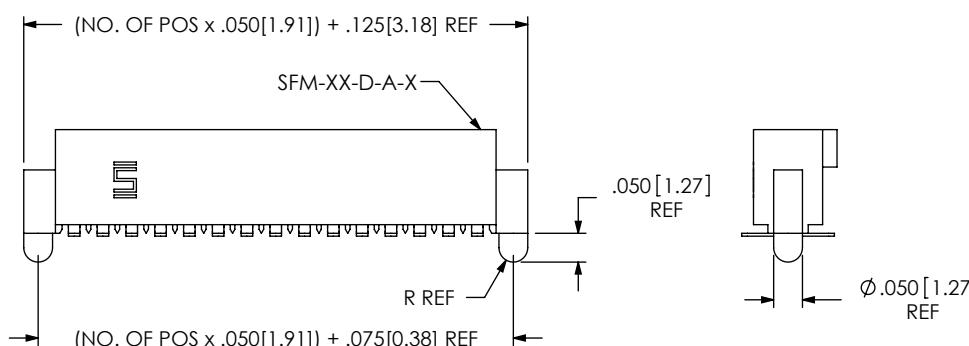
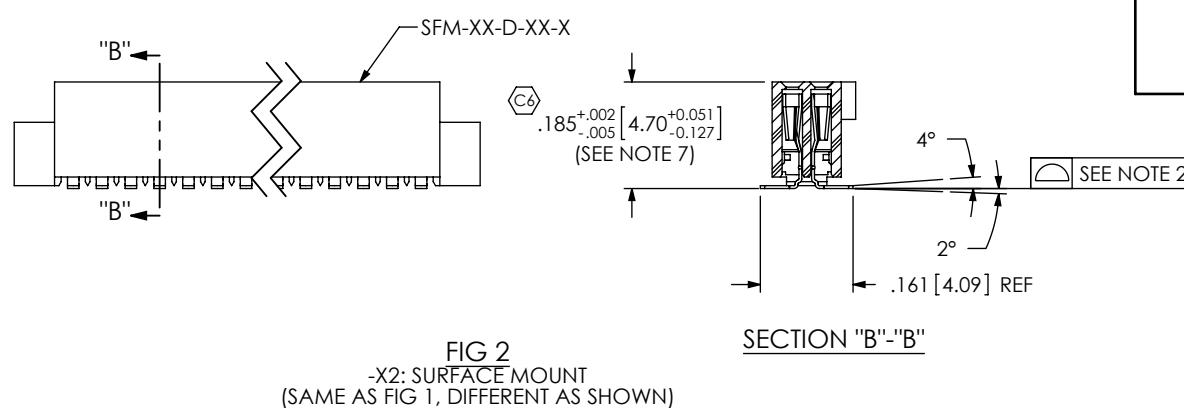
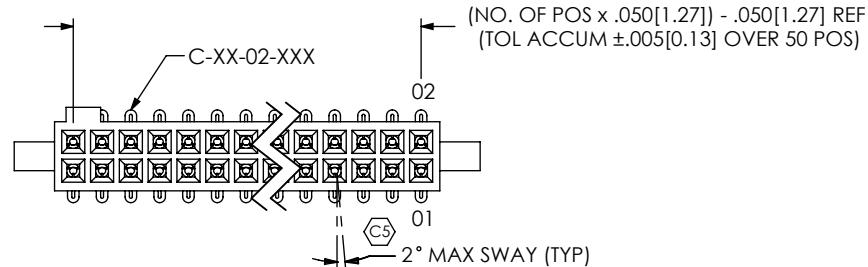


FIG 4
-A: ALIGNMENT PIN
(SAME AS FIG 1, DIFFERENT AS SHOWN)

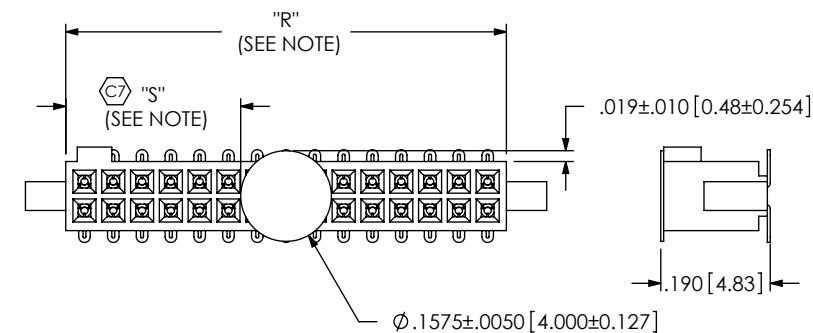
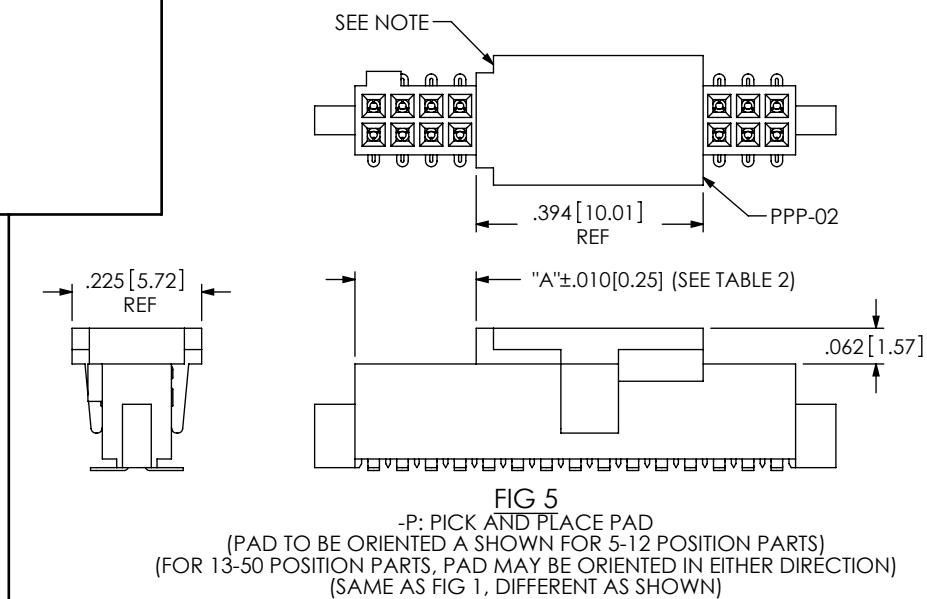


FIG 3
-K: POLYIMIDE FILM PAD
(SAME AS FIG 1, DIFFERENT AS SHOWN)
NOTE: "R" = USED MEASURED DIMENSION REF
"S" = {"R" - .1575[4.000]}/2±.020[.051]

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]



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DWG. NO.

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

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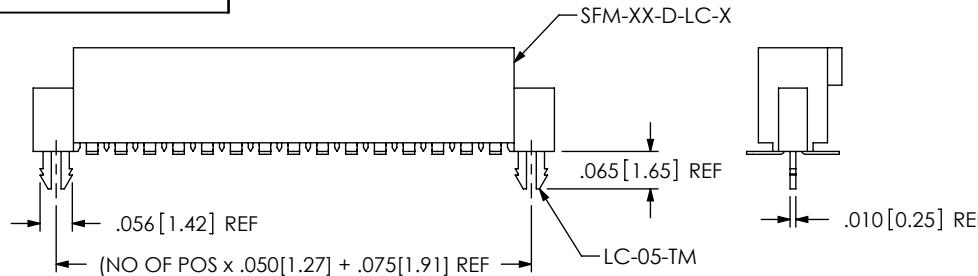


FIG 6
-LC: LOCKING CLIP
(SAME AS FIG 1, DIFFERENT AS SHOWN)
(AVAILABLE IN ALL LEADS)

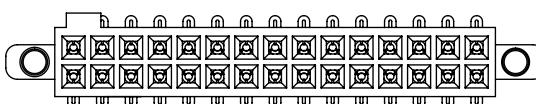
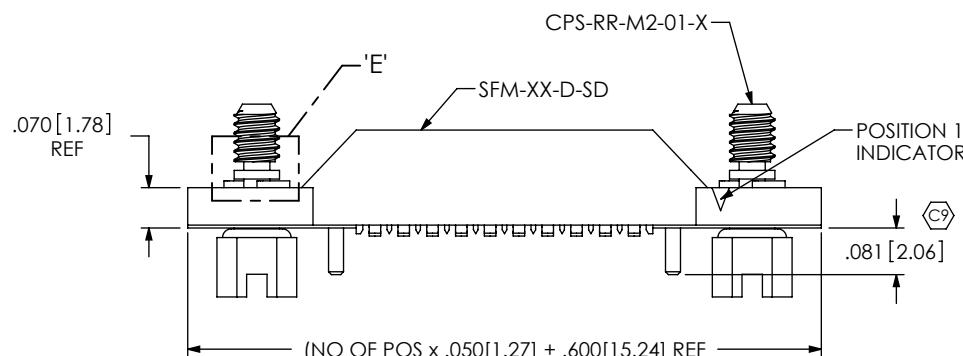
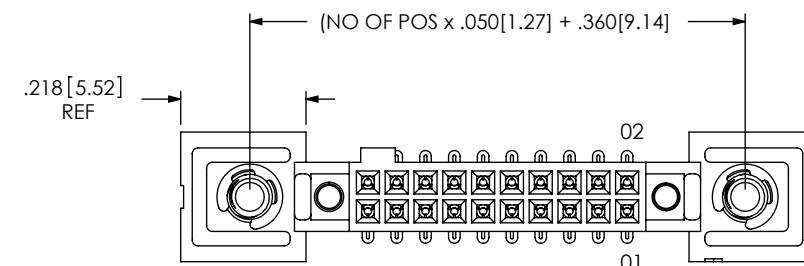


TABLE 3	
OPTION	"C"
-SN	.066[1.68]
-SN2	.101[1.80]

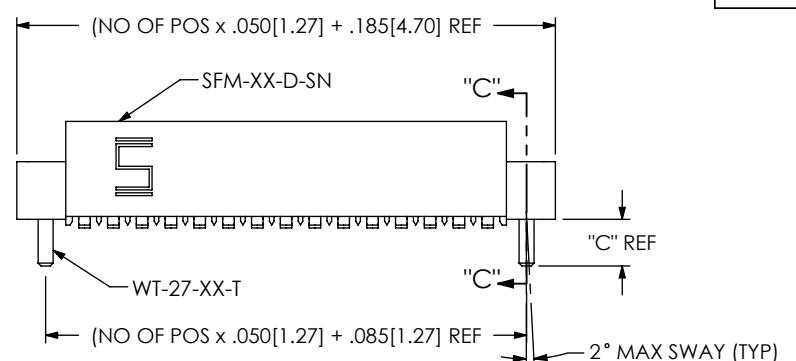
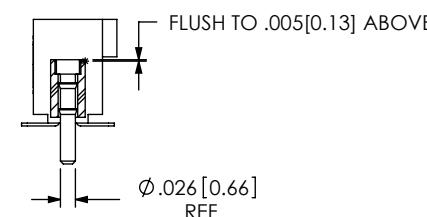


FIG 7
-SNX: SOLDER NAIL
(SAME AS FIG 1, DIFFERENT AS SHOWN)



SECTION "C"-C"

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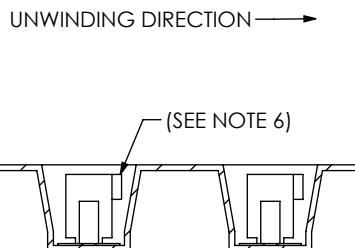
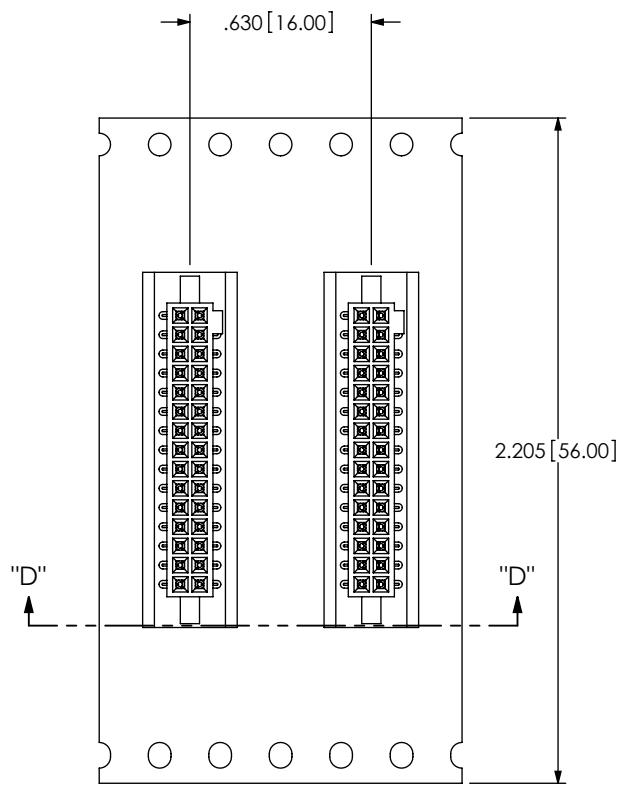
SHEET SCALE: 3:1

DESCRIPTION:
.050 x .050 SOCKET STRIP DOUBLE ROW ASSEMBLY
DWG. NO.
SFM-1XX-XX-XXX-D-XXX
BY: JORDAN 12/11/89 SHEET 3 OF 4

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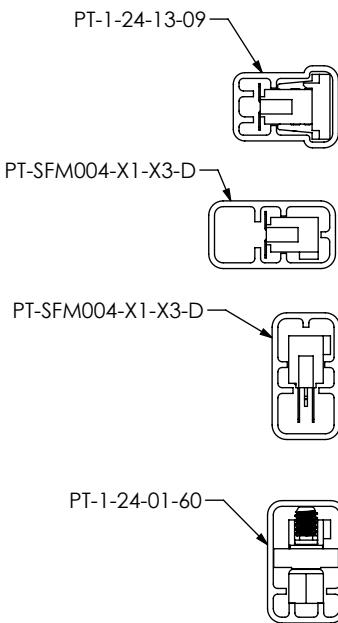
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REVISION CP

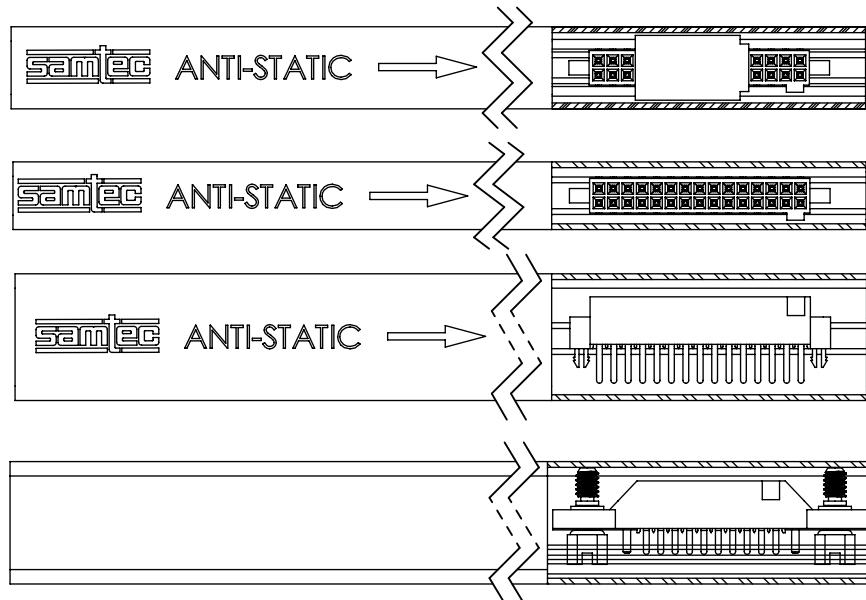


SECTION "D"-D
SCALE 2:1

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

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