




DO NOT  
SCALE FROM  
THIS PRINT

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] FROM PIN TO PIN AND ROW TO ROW, MUST BE MEASURED BETWEEN ADJACENT PINS.
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.
9. DIMENSION TO BE MEASURED AT BEND.

\*DIMENSIONS N/A FOR -N OPTION

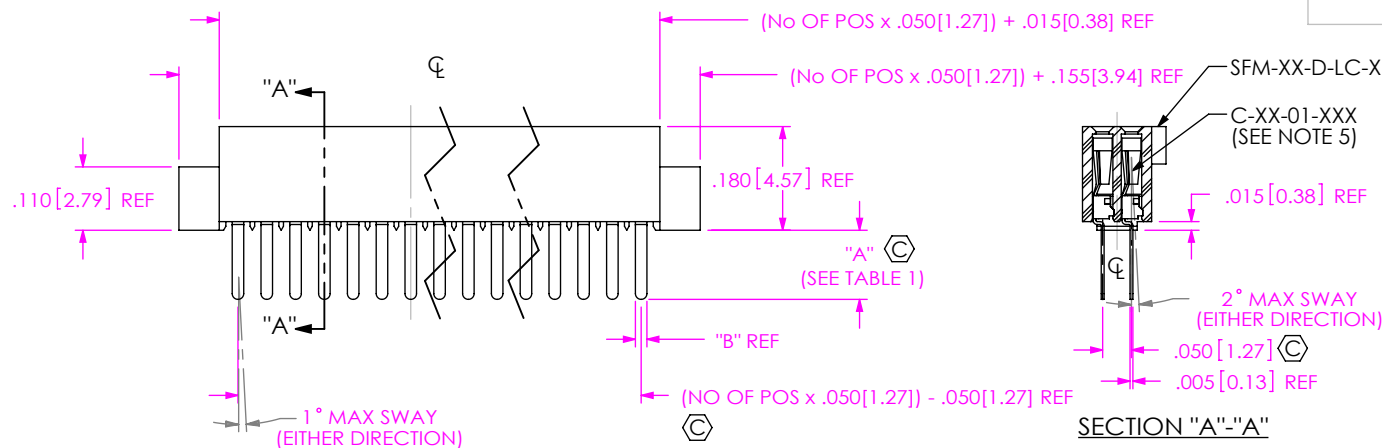
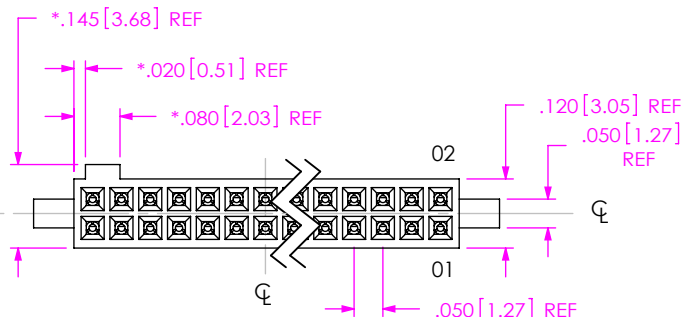


FIG 1  
THROUGH HOLE/STRAIGHT MODIFIED

TABLE 1		
SUFFIX	TAIL LENGTH "A"	TAIL WIDTH "B"
-X1	.120[3.05]	.020[0.51]
-X3	.075[1.91]	.016[0.41]

**ANY CHANGES MADE TO THIS PRINT MUST ALSO BE MADE TO THE SFC PRINT**

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 MATH  
 (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)  
 (AVAILABLE ON 5 THRU 50 POSITION ONLY)  
 -TR: TAPE & REEL (SEE SHT 4)  
 (NOT AVAILABLE WITH -DS OPTION)  
 -K: POLYIMIDE FILM PAD (.005[0.13] THICKNESS)  
 (SEE FIG 3, SHT 2) (USE K-DOT-.157-.250-.005)  
 -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)  
 -DS: DUAL SCREW DOWN FOR .062 BOARD  
 (SEE FIG 8, SHT 3)  
 (ONLY AVAILABLE WITH -01, -02 AND -03 LEAD  
 STYLE) (NOT AVAILABLE WITH OPTIONS -N, -A,  
 -LC, -P, -TR, -K, -SN AND SN2), (USES SFM-XX-D-DS,  
 CPS-RR-XX-XX-X, ACCRT-01 AND WT-27-XX-T  
 ALWAYS FILLED)

## 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
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XX:  $\pm .01$  [0.3]

.XXX:  $\pm .005$  [0.13]

.XXXX:  $\pm .0020$  [0.051]

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**MATERIAL:**

DO NOT SCALE DRAWING

SHEET SCALE: 3:1

INSULATOR: LCP UL 94V-O. 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

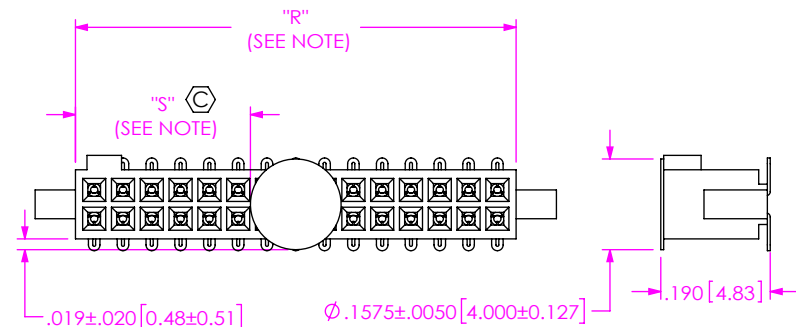
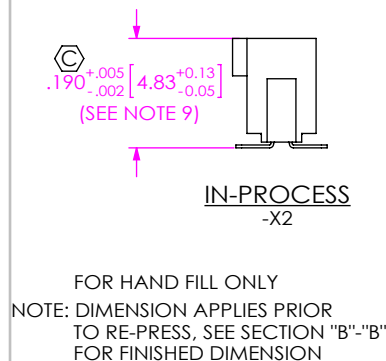
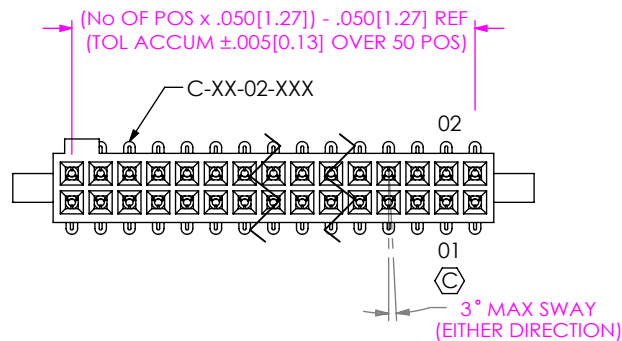


FIG 3  
-K: POLYIMIDE FILM PAD  
(SAME AS FIG 1, DIFFERENT AS SHOWN)  
NOTE: "R" = USED MEASURED DIMENSION REF  
"S" = {"R" - .1575[4.000]}/2±.020[0.51]

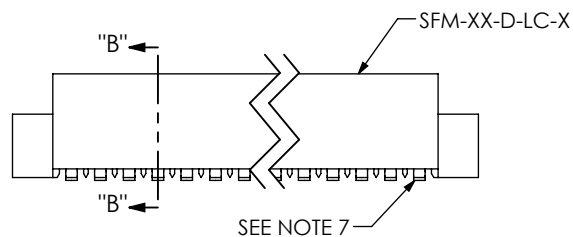


FIG 2  
-X2: SURFACE MOUNT  
(SAME AS FIG 1, DIFFERENT AS SHOWN)

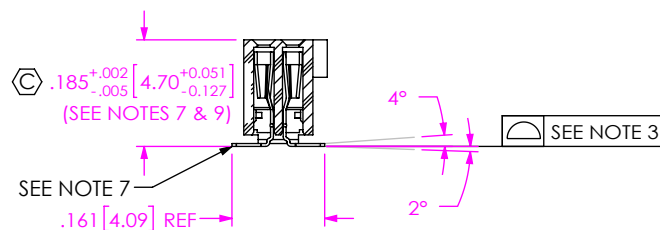


TABLE 2	
POS.	"A"
ODD	{(No. OF POS x .050[1.27])/2} - .1895[4.813]
EVEN	{(No. OF POS x .050[1.27])/2} - .2145[5.448]

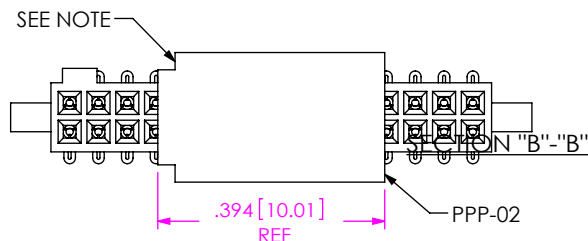


FIG 5  
-P: PICK AND PLACE PAD  
(PAD TO BE ORIENTED AS SHOWN FOR 5-12 POSITION PARTS)  
(FOR 13-50 POSITION PARTS, PAD MAY BE ORIENTED IN EITHER DIRECTION)  
(SAME AS FIG 1, DIFFERENT AS SHOWN)

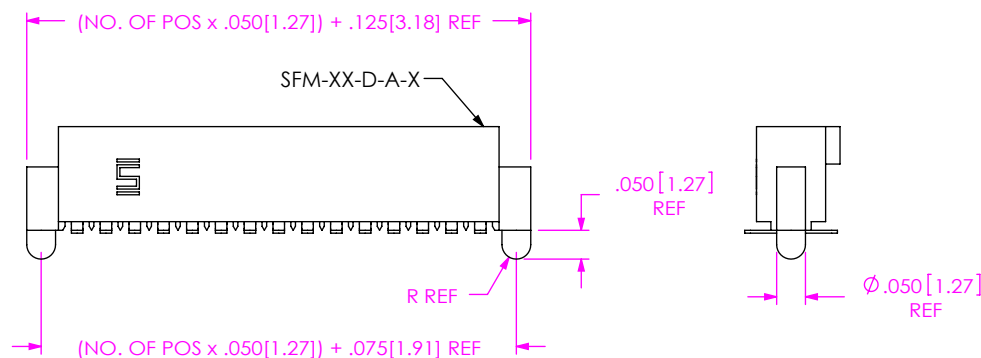
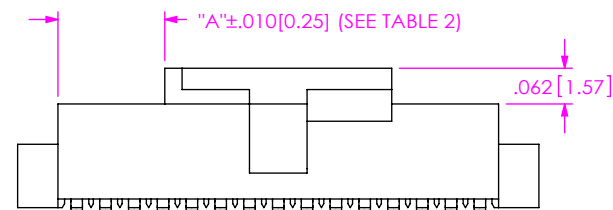
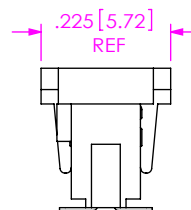


FIG 4  
-A: ALIGNMENT PIN  
(SAME AS FIG 1, DIFFERENT AS SHOWN)



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**samtec**

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 2 OF 4

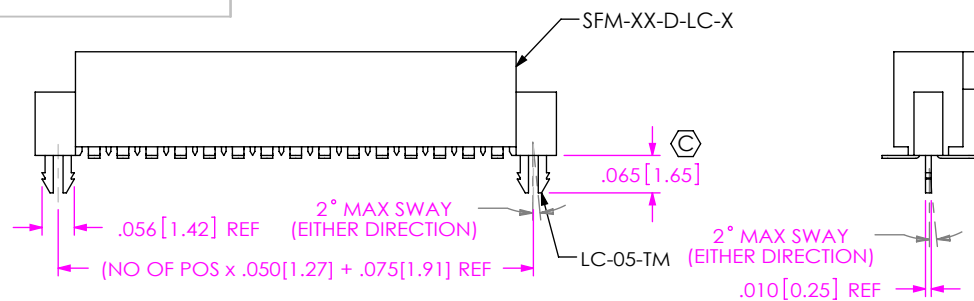
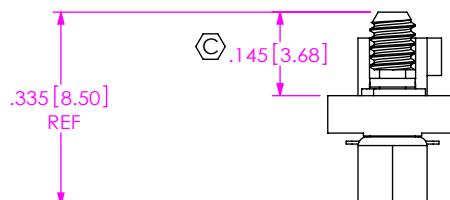


FIG 6  
-LC: LOCKING CLIP  
(SAME AS FIG 1, DIFFERENT AS SHOWN)  
(AVAILABLE IN ALL LEADS)

TABLE 4		
LEAD STYLE	"D"	WT-27
-01	.081	-01
-02	.081	-01
-03	.115	-02



.070 [1.78]  
REF

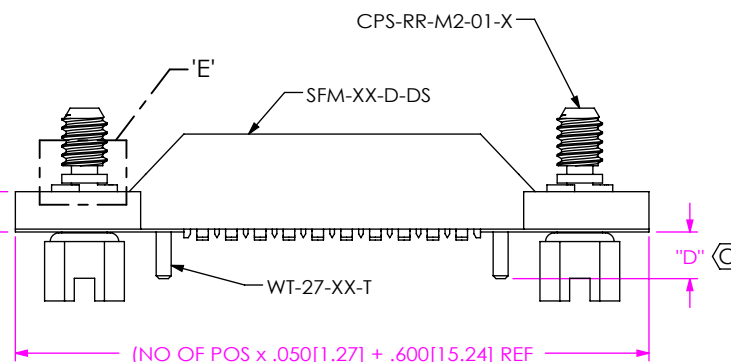
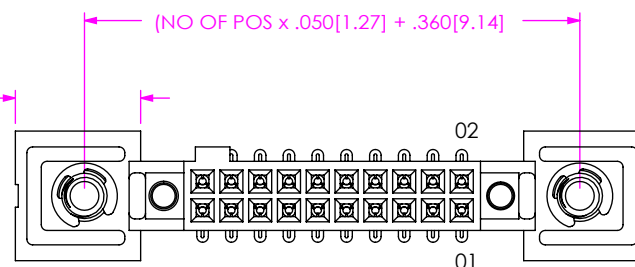


FIG 8  
-DS: DUAL SCREW DOWN  
(SAME AS FIG 2, DIFFERENT AS SHOWN)

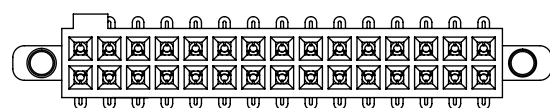


TABLE 3	
OPTION	"C"
-SN	.076 [1.93]
-SN2	.110 [2.79]

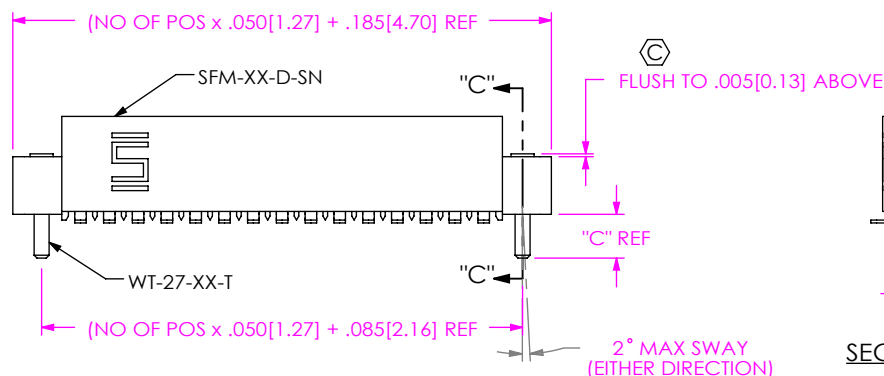


FIG 7  
-SNX: SOLDER NAIL  
(SAME AS FIG 1, DIFFERENT AS SHOWN)

F:\DWG\MISC\MKTG\SFM-1XX-XX-XXX-D-XXX-MKT.SLDDRW

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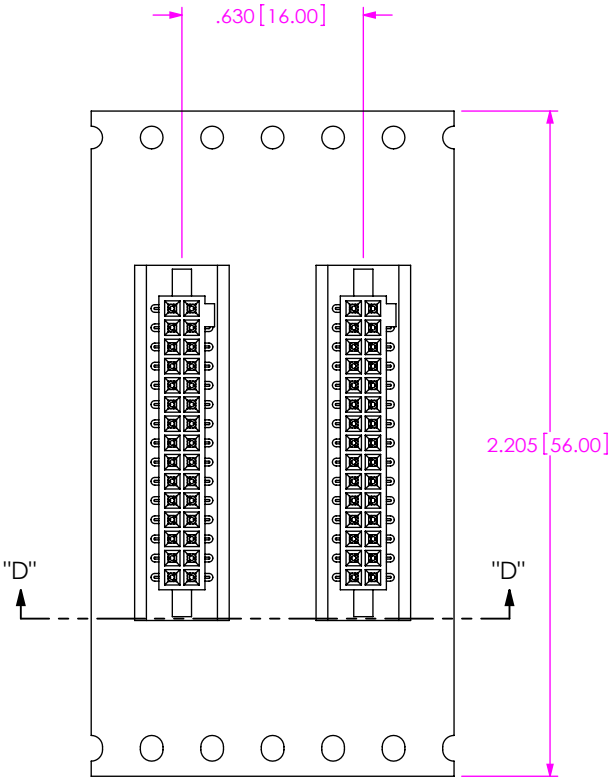
**samtec**

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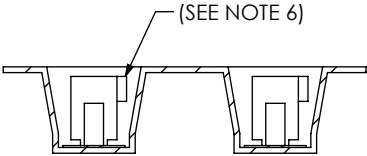
DESCRIPTION:  
.050 x .050 SOCKET STRIP DOUBLE ROW ASSEMBLY

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

BY: JORDAN 12/11/89 SHEET 3 OF 4



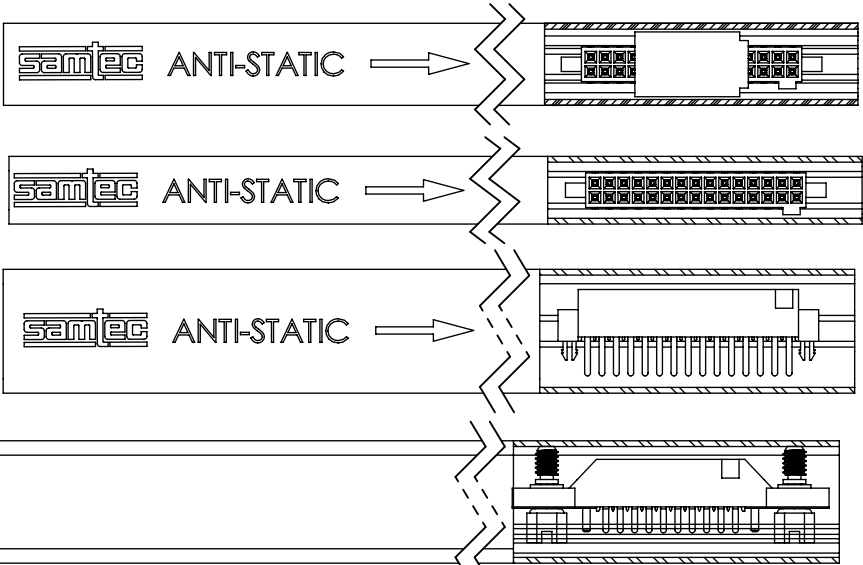
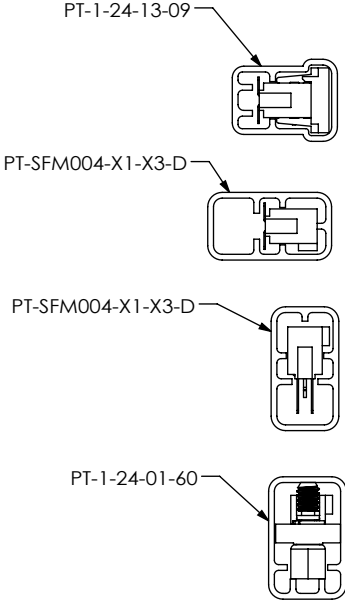
UNWINDING DIRECTION →



(SEE NOTE 6)

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

PACKAGING VIEW  
-TR: TAPE AND REEL



LEAD STYLE	PACKAGING TUBE	PLUG
-105-X2-X-D, -105X2-X-D-LC, -105-X2-D-A, -105-X2-D-K-LC, -105-X2-X-D-K, -105-X2-X-D-A-K	PT-1-24-14-09	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, -X3-D-K, -X1-A-K, -X3-A-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, -X2-D-LC-K, -X2-D-SNX	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, -X2-D-P-SNX	PT-1-24-13-09	TP-24
-01-DS, -02-DS, -03-DS	PT-1-24-01-60	TP-03

**\*FOR MACHINE LOADING OF TUBES FOR PARTS W/O PADS USE PT-1-24-14-09, TP-24-02**

5 POS -01 AND -03 LEAD STYLES MAY BE TUBED USING PT-1-24-15-09, TP-24-02  
2 POS -X1 STYLE TO BE TUBED IN PT-1-24-15-09

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

F:\DWG\MISC\MKTG\SFM-1XX-XX-XXX-D-XXX-MKT.SLDDRW

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# Mouser Electronics

Authorized Distributor

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