REVISION EB

DO NOT SCALE FROM THIS PRINT

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] 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.
10. NOTE DELETED.
11. NOTE DELETED
12. LOAD VISION TRAYS WITH PIN #1 OPPOSITE STANDARD - AWAY FROM THE TERMINAL INDICATOR SIDE OF TRAY.
13. TUBES ARE STANDARD PACKAGING.
14. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM
15. ATTACH LABEL TO EACH REEL

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

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

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)

TAPE & REEL (SEE NOTES 13, 14 & 15)
BLANK: TUBES (SEE NOTE 13)
-TR: TAPE & REEL (SEE SHT 5)
(SEE NOTES 14 & 15))
(NOT AVAILABLE WITH -DS OPTION)
-FR: FULL REEL QTY. TAPE & REEL
(SEE NOTES 14 & 15)
(NOT AVAILABLE WITH -DS OPTION)

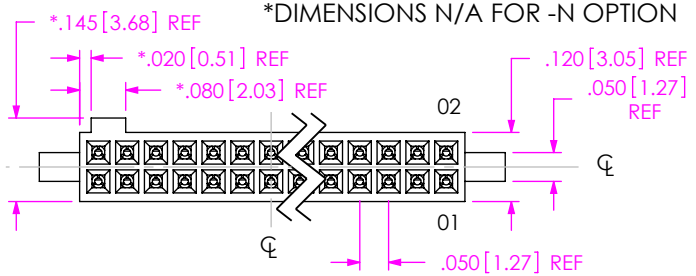
PICK & PLACE OPTION
-P: PICK AND PLACE PAD
(SEE FIG 5, SHT 2)
(AVAILABLE ON 5 THRU 50 POSITION ONLY)
-K: POLYIMIDE FILM PAD (.005[0.13] THICKNESS)
(SEE FIG 3, SHT 2) (USE K-DOT-.157-.250-.005)

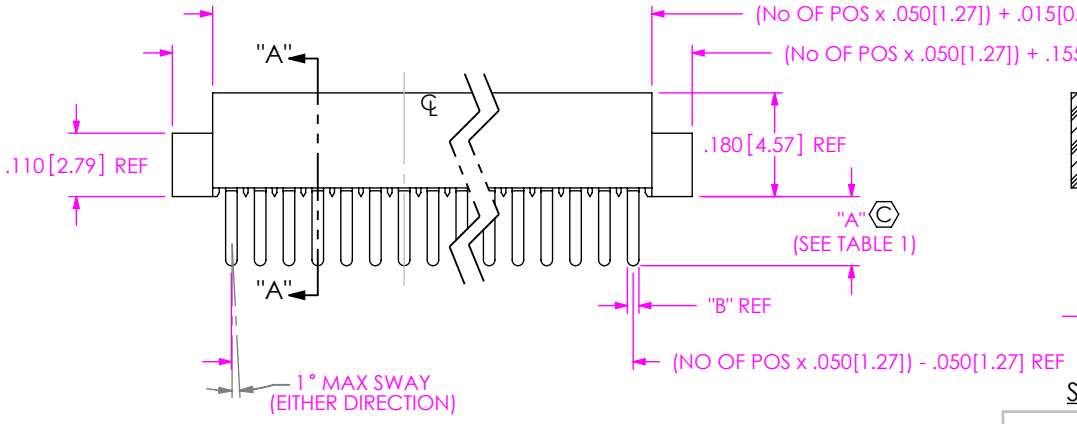
OPTIONS
(LEAVE BLANK FOR STANDARD AND USE SFM-XX-D)
-A: ALIGNMENT PIN (USE SFM-XX-D-A-X)
(SEE FIG 4, SHT 2)
-N: NO POLARIZATION NOTCH
(USE SFM-XX-D-XX-N)
-LC: LOCKING CLIP (SEE FIG 6, SHT 3 & NOTE 8)
(AVAILABLE ON ALL LEADS)
-SN: SOLDER NAIL FOR .062 BOARD
(SFM-XX-D-SN AND WT-27-01-T)
(AVAILABLE WITH 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 4)
(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)

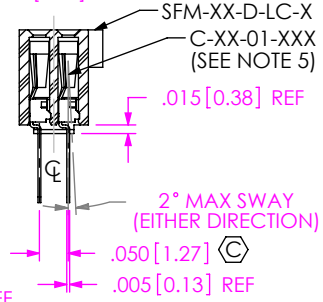
BODY SPECIFICATION
-D: DOUBLE ROW

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: 50µ" 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

*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]

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS
.XX: ±.01 [0.3]
.XXX: ±.005 [0.13]
.XXXX: ±.0020 [0.051]
ANGLES
2°

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e-Mail info@SAMTEC.com code 55322

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

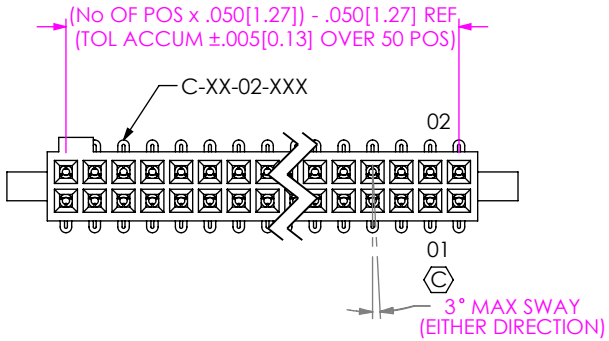
DESCRIPTION:
.050 x .050 SOCKET STRIP DOUBLE ROW ASSEMBLY

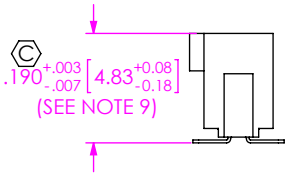
DWG. NO.
SFM-1XX-XX-XXX-D-XXX-X-XX

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BY: JORDAN 12/11/89

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IN-PROCESS
-X2

FOR HAND FILL ONLY

NOTE: DIMENSION APPLIES PRIOR TO RE-PRESS, SEE SECTION "B"-"B" FOR FINISHED DIMENSION

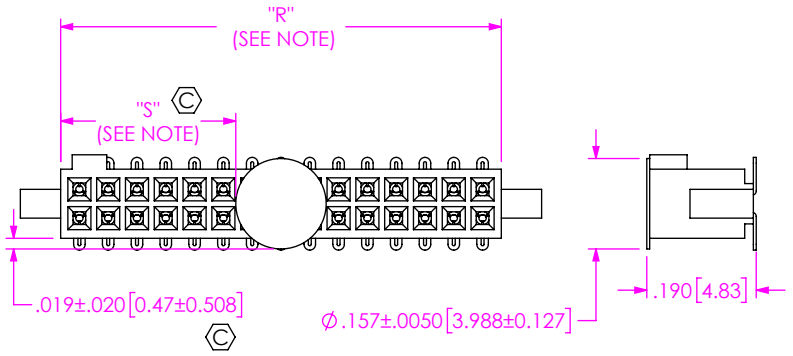
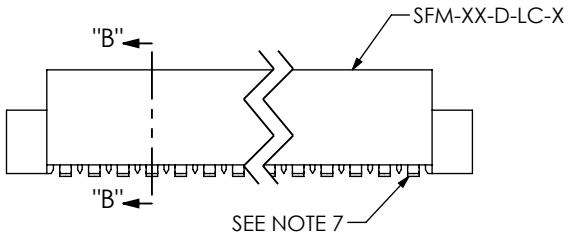


FIG 3
-K: POLYIMIDE FILM PAD
(SAME AS FIG 1, DIFFERENT AS SHOWN)

NOTE: "R" = USED MEASURED DIMENSION REF
"S" = {("R" - .1575[4.000])/2}±.020[0.51]



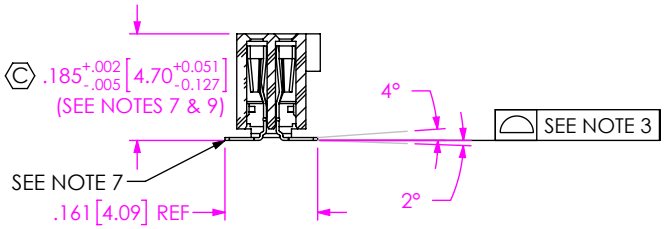
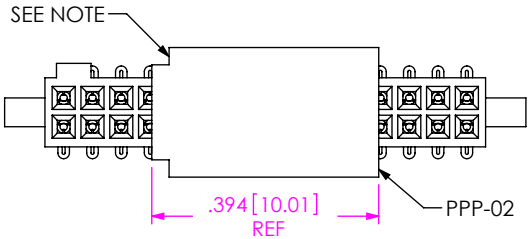
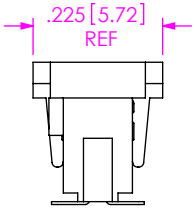


FIG 2
-X2: SURFACE MOUNT
(SAME AS FIG 1, DIFFERENT AS SHOWN)

SECTION "B"-"B"

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]





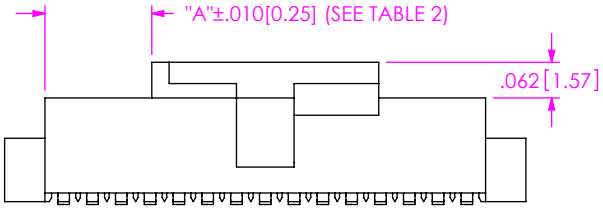


FIG 5
-P: PICK AND PLACE PAD
(PAD TO BE ORIENTED A SHOWN FOR 5-12 POSITION PARTS)
(FOR 13-50 POSITION PARTS, PAD MAY BE ORIENTED IN EITHER DIRECTION)
(SAME AS FIG 1, DIFFERENT AS SHOWN)

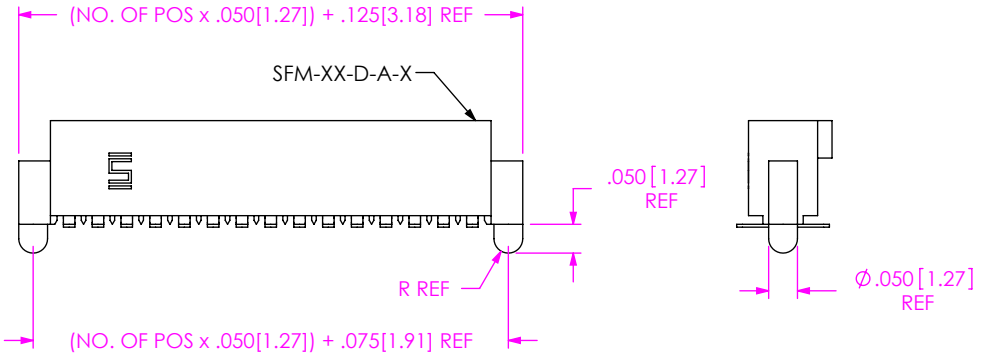


FIG 4
-A: ALIGNMENT PIN
(SAME AS FIG 1, DIFFERENT AS SHOWN)

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

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

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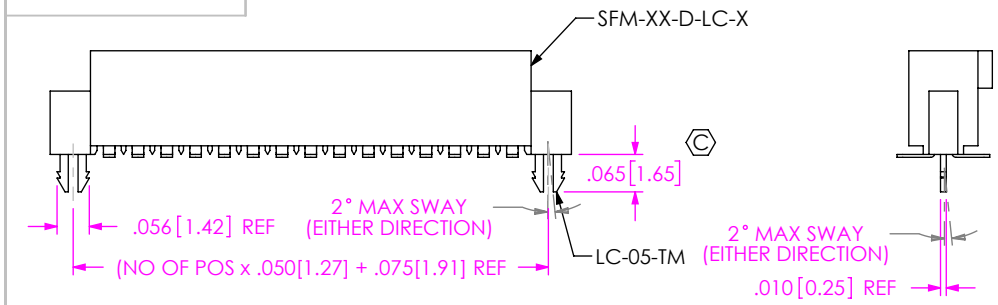
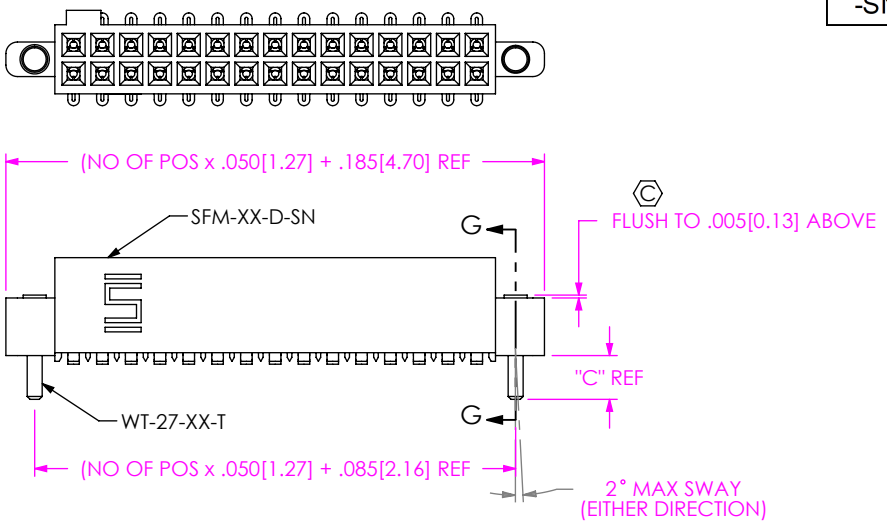
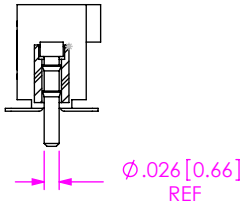


FIG 6
-LC: LOCKING CLIP
(SAME AS FIG 1, DIFFERENT AS SHOWN)
(AVAILABLE IN ALL LEADS)

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





SECTION G-G

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

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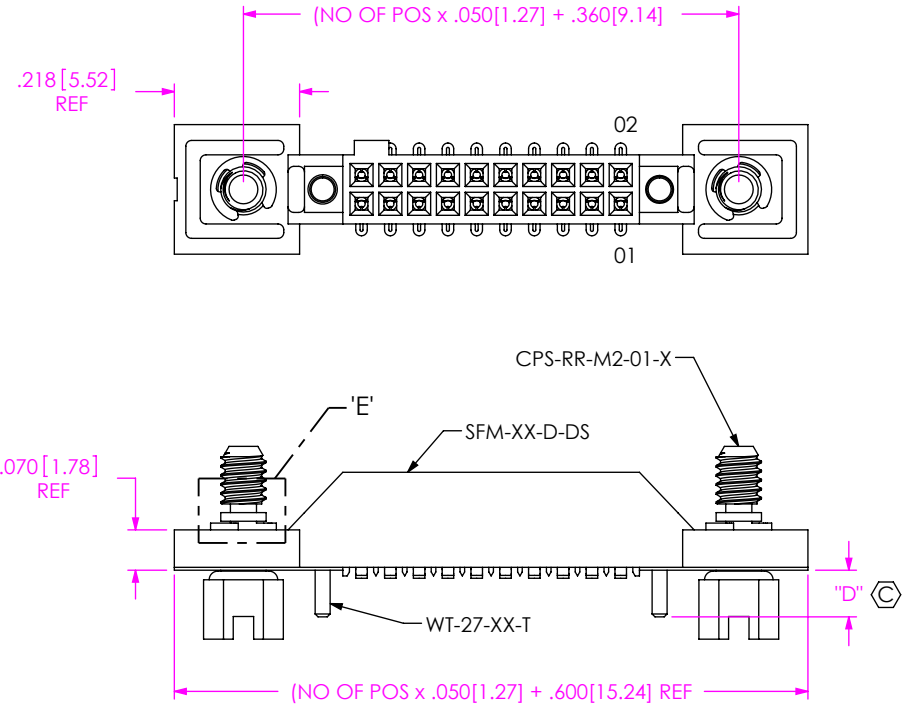
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TABLE 4		
LEAD STYLE	"D"	WT-27
-01	.081	-01
-02	.081	-01
-03	.115	-02



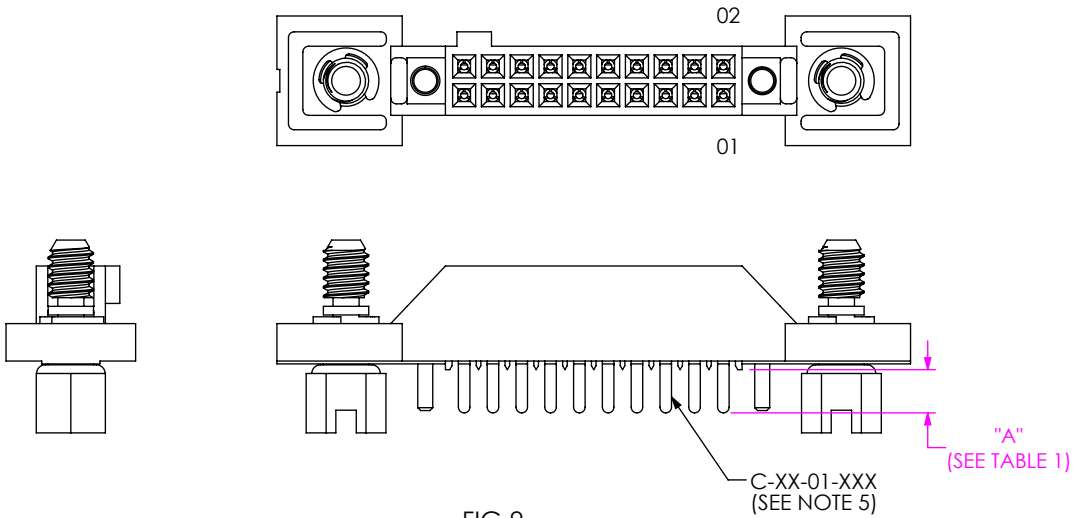


FIG 9
-01-DS: DUAL SCREW DOWN WITH -01 LEAD STYLE
(SAME AS FIG 8, DIFFERENT AS SHOWN)

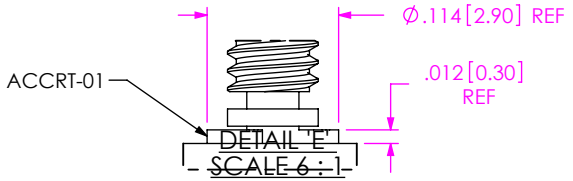


FIG 8
-DS: DUAL SCREW DOWN
(SAME AS FIG 2, DIFFERENT AS SHOWN)

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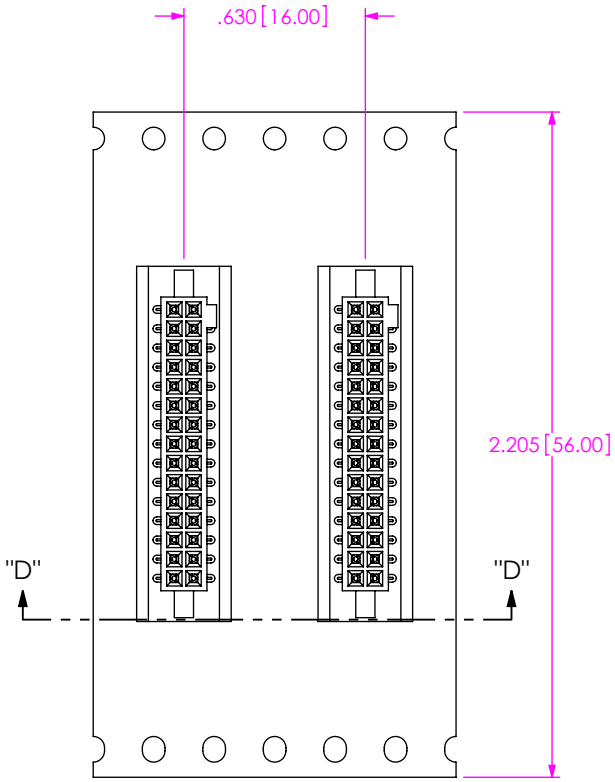
DESCRIPTION:
.050 x .050 SOCKET STRIP DOUBLE ROW ASSEMBLY

DWG. NO.
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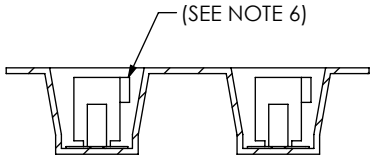
BY: JORDAN 12/11/89 SHEET 4 OF 5

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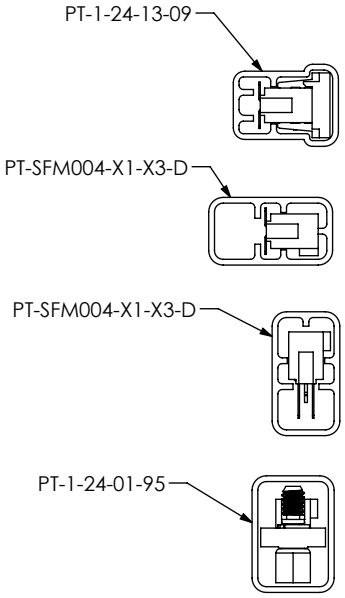


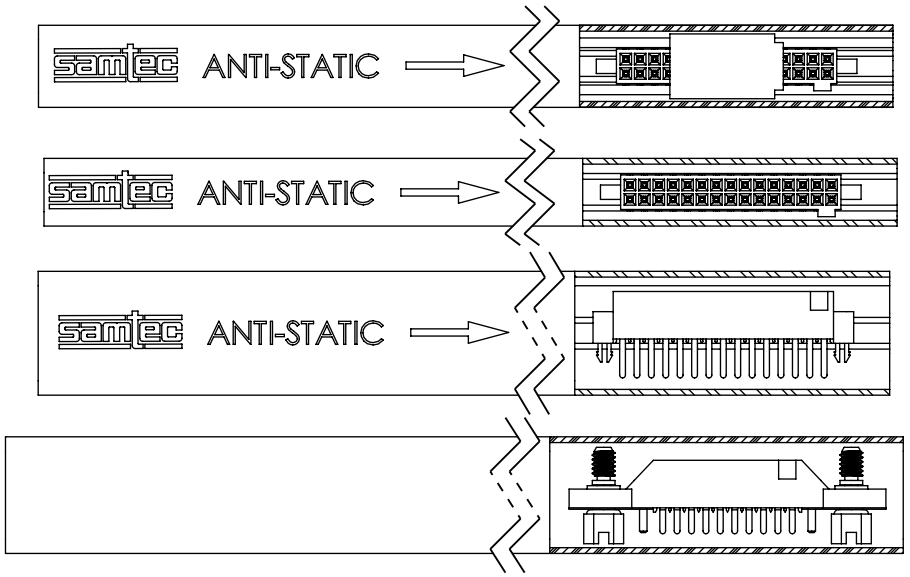
UNWINDING DIRECTION →



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-1-24-01-95	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)

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

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

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