

DO NOT
SCALE FROM
THIS PRINT

NOTES:

1. ⌘ REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSHOUT FORCE: .5 LB.
3. COPLANARITY: .004[0.10] = POS 02 THRU 26
.006[0.15] = POS 27 THRU 50
4. TUBE PACKAGE ONLY POSITIONS -04 THRU -50;
LAYER PACKAGE POSITIONS -02 THRU -03.
5. MAXIMUM CUT FLASH TO BE: .010 (NO FLASH EXTENDING BELOW
LEADS OR IN HOLES OF BODY).
6. ⌘ MAXIMUM PIN HEIGHT VARIATION: .003[0.08]
FROM PIN TO PIN AND ROW TO ROW, MUST BE
MEASURED BETWEEN ADJACENT PINS.
7. PINS CAN BE ORIENTED IN ANY DIRECTION;
BOTH ROWS MUST FACE SAME WAY.
8. DIMENSION TO BE MEASURED AT BEND.
9. MIXED PIN ORIENTATION ACCEPTABLE.
10. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC
PACKAGING EFFICIENCY STANDARDS (SPES) FOUND
ON WWW.SAMTEC.COM.
11. ATTACH LABEL TO EACH REEL.
12. LOAD VISION TRAYS WITH PIN #1 OPPOSITE STANDARD -
AWAY FROM THE TERMINAL INDICATOR SIDE OF TRAY.
13. PARTS MUST BE PACKAGED WITH PADS FACING
IN A UNIFORM DIRECTION

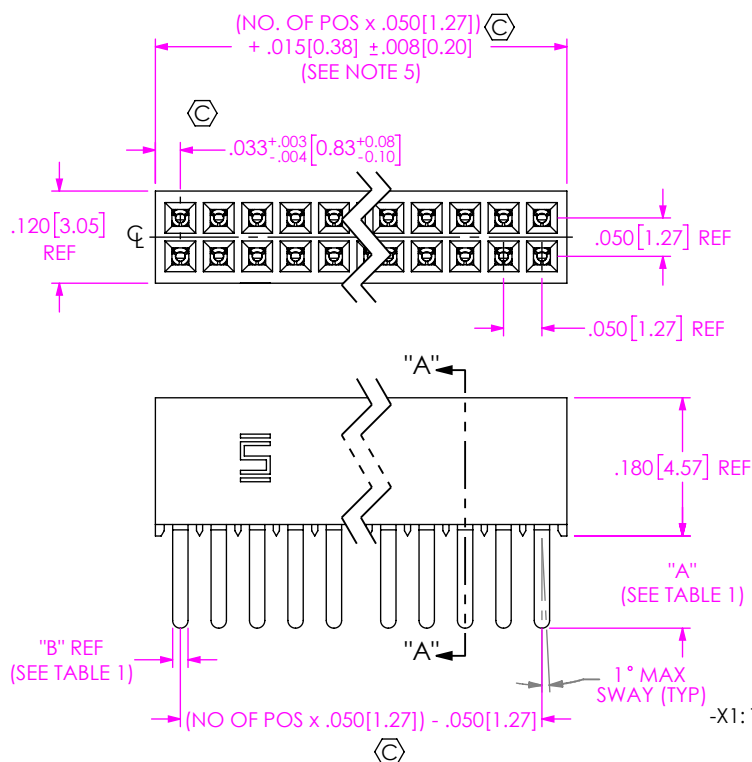


TABLE 1

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

SFMC-1XX-XX-XXX-D-XX-XX

No OF POSITIONS

ALL POSITIONS AVAILABLE
-02 THRU -50
(USE BODY: SFMC-50-D)

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)

PACKAGING

BLANK: TUBES (SEE NOTE 4)
-TR: TAPE & REEL (SEE NOTES 10 & 11)
-FR: FULL REEL QTY TAPE & REEL
(SEE NOTES 10 & 11)

PICK & PLACE OPTION

(LEAVE BLANK FOR STANDARD
-P: PICK AND PLACE PAD (SEE FIG 3, SHT 2)
(USE PPP-02) (5 POSITION MINIMUM)
-K: POLYIMIDE FILM PAD (.005[0.13] THICKNESS)
(SEE FIG 4, SHT 2) (USE K-DOT-.157-.250-.005)
(4 POSITION MINIMUM)

BODY SPECIFICATION

-D: DOUBLE ROW

PLATING SPECIFICATION

-S: 30μ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
-F: 3μ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
-H: 50μ" GOLD IN CONTACT AREA, 3μ" GOLD ON TAIL
(ONLY AVAILABLE ON -02, -L2 & -T2 LEAD STYLE)
-L: 10μ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
-SM: 30μ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
-FM: 3μ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
-STL: 30μ" SELECTIVE GOLD IN CONTACT AREA,
TIN/LEAD (90/10±5%) ON TAIL
(ONLY AVAILABLE ON LEAD STYLES -02 & -L2)

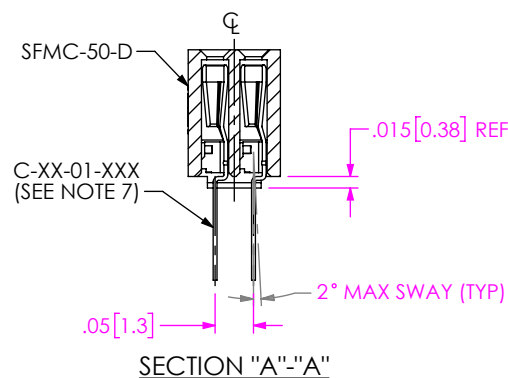


FIG 1

-X1: THROUGH HOLE

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

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

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 4:1
BODY: LCP UL 94V-O, COLOR: BLACK
CONTACTS: C-44 & C-61: #25 BeCu, 1/2 HARD
C-119: PHOSPHOR BRONZE 521

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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

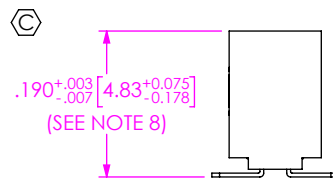
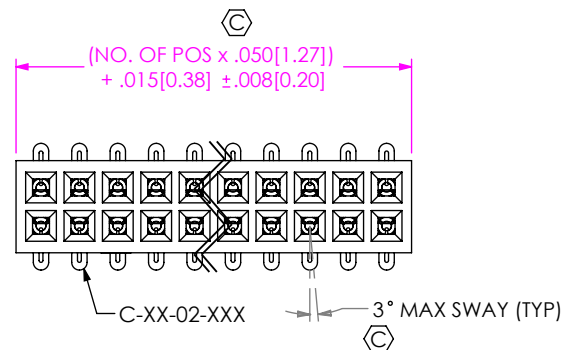
DESCRIPTION: .050 x .050 CUTTABLE SOCKET STRIP DOUBLE ROW ASSEMBLY

DWG. NO.

SFMC-1XX-XX-XXX-D-XX-XX

BY: BRATCHER 10/5/94

SHEET 1 OF 3



IN-PROCESS
-X2

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

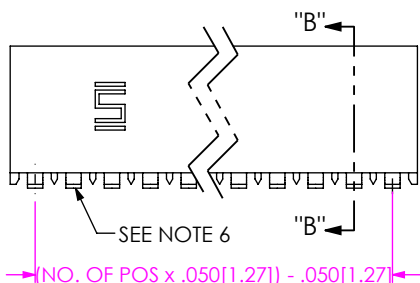


FIG 2
-X2: SURFACE MOUNT
(SAME AS FIG 1, DIFFERENT AS SHOWN)

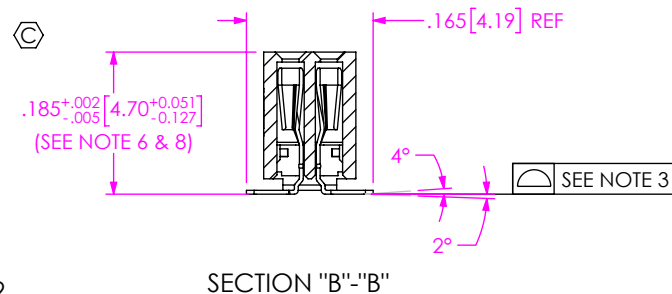


TABLE 2	
POS.	"C"
ODD	$\{(\text{No. OF POS} \times .050[1.27])/2\} - .1895[4.813]$
EVEN	$\{(\text{No. OF POS} \times .050[1.27])/2\} - .2145[5.448]$

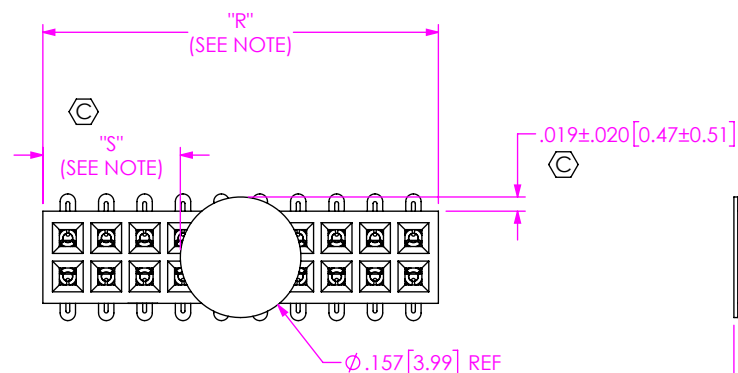
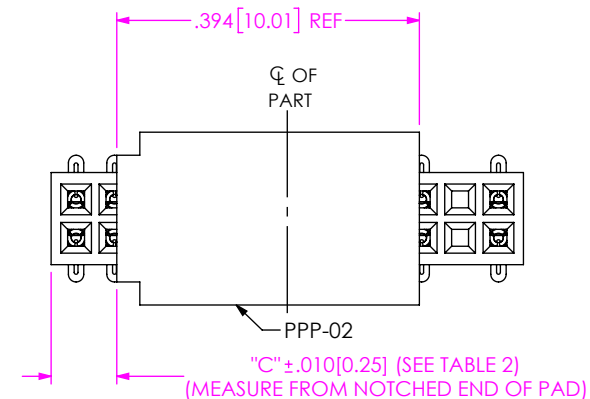


FIG 4
-K: POLYIMIDE FILM PAD
(SAME AS FIG 1, DIFFERENT AS SHOWN)

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

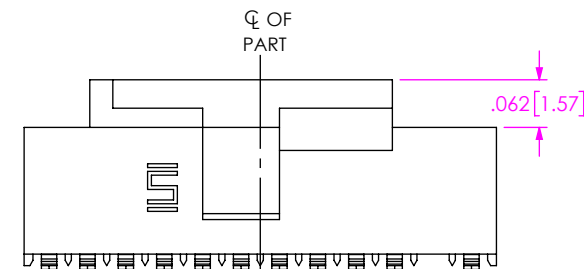
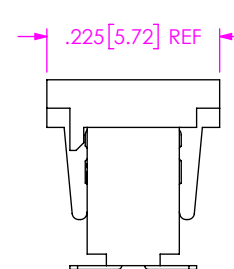


FIG 3
-P: PICK AND PLACE PAD
(5 POSITION MINIMUM)
(SAME AS FIG 1, DIFFERENT AS SHOWN)

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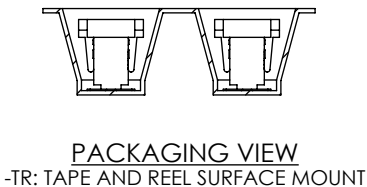
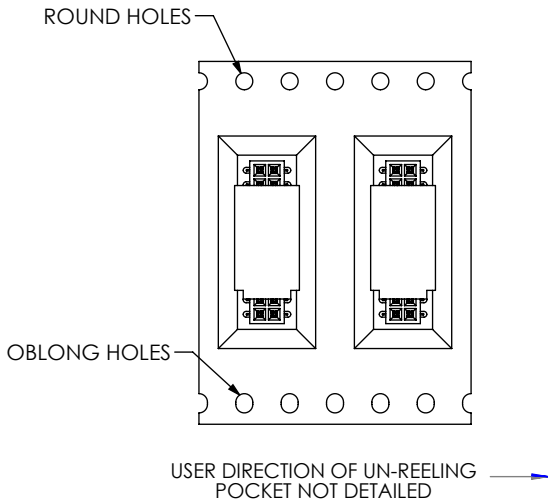
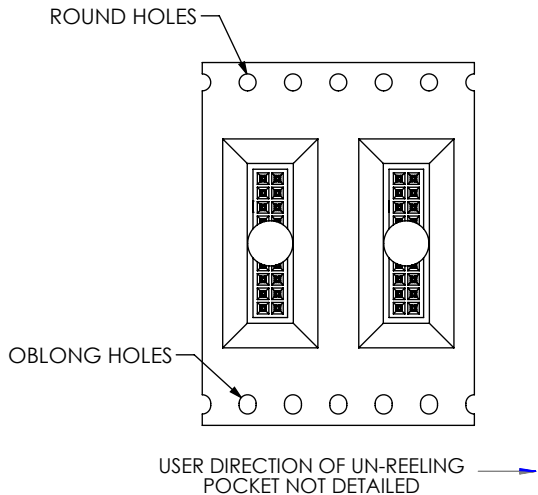
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code 55322

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

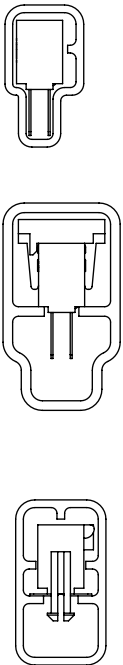
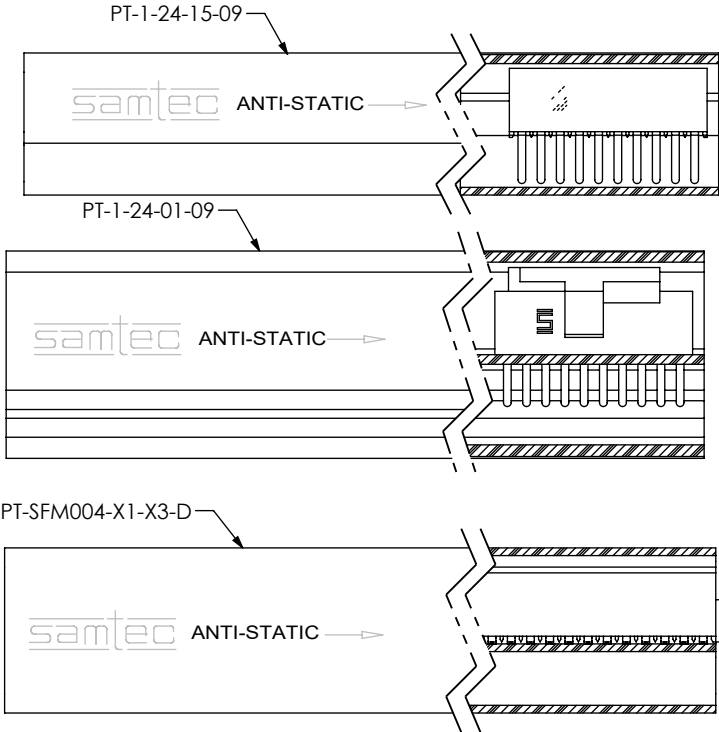
DWG. NO.
SFMFC-1XX-XX-XXX-D-XX-XX

BY: BRATCHER 10/5/94

SHEET 2 OF 3



PACKAGING VIEW
PACKAGE PARTS IN TUBES AS SHOWN



- NOTES:
1. MIXED PIN ORIENTATION ACCEPTABLE.
 2. PARTS MUST BE PACKAGED WITH PADS FACING IN A UNIFORM DIRECTION.

TABLE 3 (SEE NOTE 4)		
LEAD STYLE	PACKAGING TUBE	PLUG
-X1, -X3	PT-1-24-15-09	TP-12
-X2	PT-1-24-14-09	TP-24-02
-X2-K	PT-1-24-14-09	TP-24-02
-X2-P	PT-1-24-01-38	TP-24
ITEM DELETED		
-X1-P, -X3-P	PT-1-24-01-09	TP-24
-X1-K, -X3-K	PT-SFM004-X1-X3-D	TP-24-02

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.050 x .050 CUTTABLE SOCKET STRIP DOUBLE ROW ASSEMBLY

DWG. NO.
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