

DO NOT SCALE FROM THIS PRINT

NOTES:

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

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

**No OF POSITIONS**  
ALL POSITIONS AVAILABLE  
-02 THRU -50  
(USE BODY: SFMC-50-D)

**OPTIONS**  
(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)  
-TR: TAPE & REEL (SEE SHT 3)

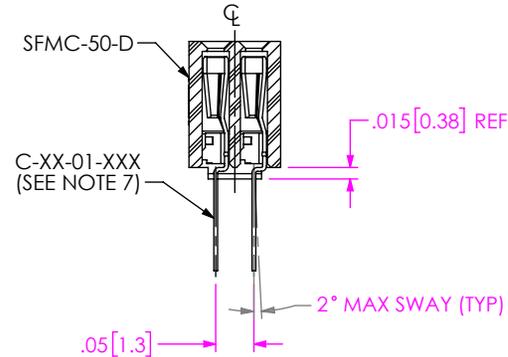
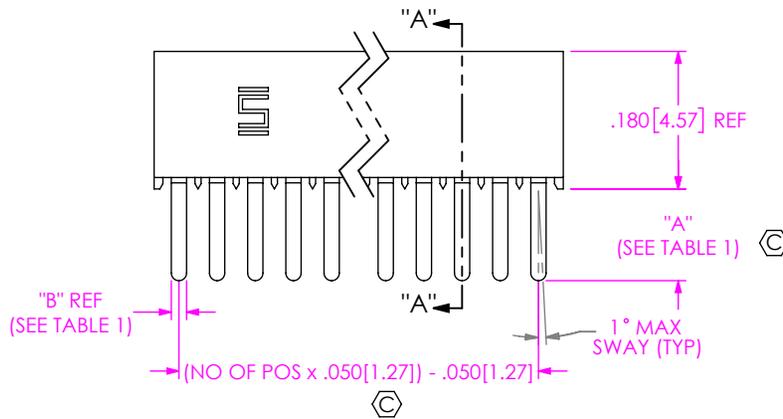
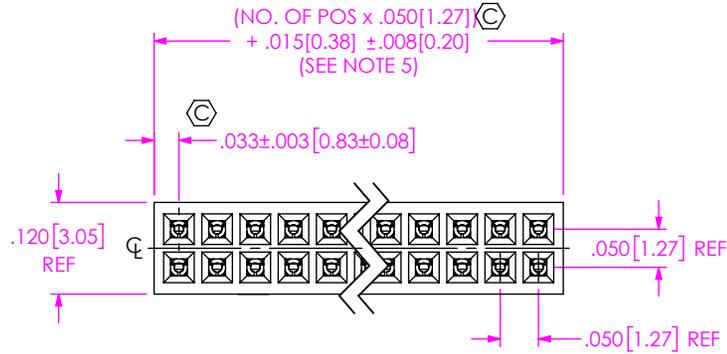
**BODY SPECIFICATION**  
-D: DOUBLE ROW

**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)

**PLATING SPECIFICATION**

- S:  $30\mu$ " SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- F:  $3\mu$ " SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- H:  $30\mu$ " GOLD IN CONTACT AREA,  $3\mu$ " GOLD ON TAIL (ONLY AVAILABLE ON -02, -L2 & -T2 LEAD STYLE)
- L:  $10\mu$ " SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- SM:  $30\mu$ " SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- FM:  $3\mu$ " SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL



SECTION "A"-A"

FIG 1  
-X1: THROUGH HOLE

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 ANGLES  
.XX:  $\pm .01$  [.]  
.XXX:  $\pm .005$  [.13]  
.XXXX:  $\pm .0020$  [.051]

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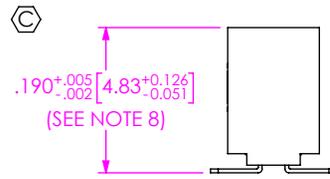
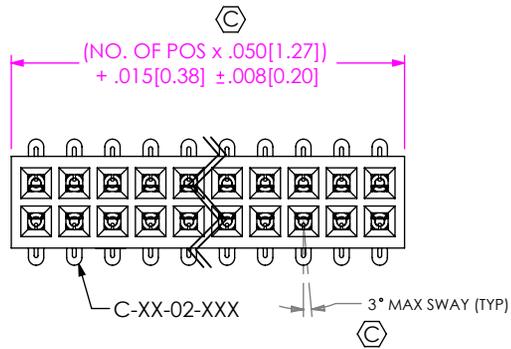
520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail info@SAMTEC.com code 55322

**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

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

DWG. NO.  
**SFMC-1XX-XX-XX-D-XX**

BY: BRATCHER 10/5/94 SHEET 1 OF 3



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

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]

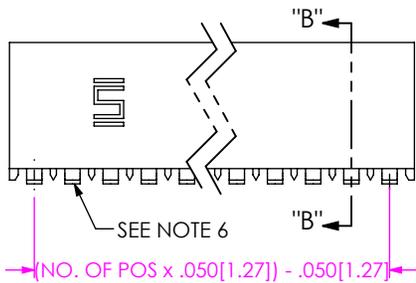


FIG 2  
-X2: SURFACE MOUNT  
(SAME AS FIG 1, DIFFERENT AS SHOWN)

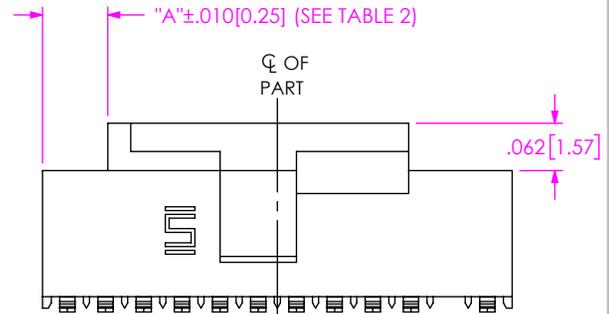
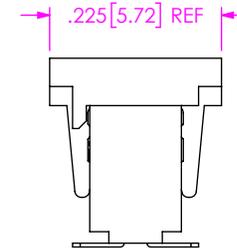
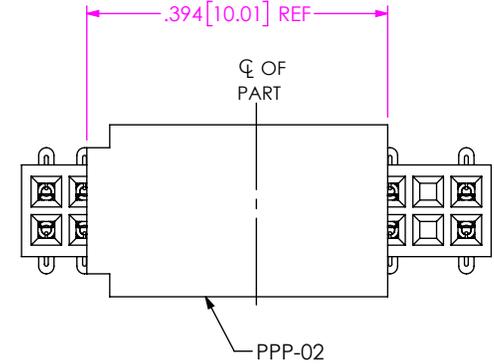
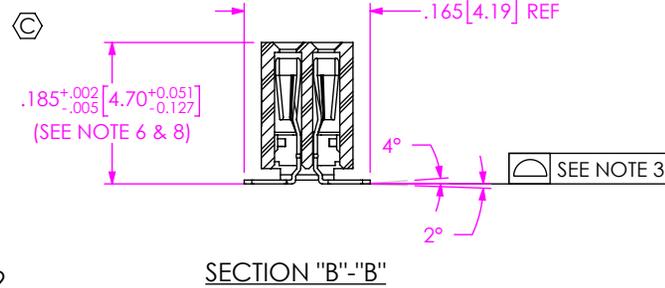


FIG 3  
-P: PICK AND PLACE PAD  
( 5 POSITION MINIMUM)  
( PAD MAY BE ORIENTED IN EITHER DIRECTION)  
(SAME AS FIG 1, DIFFERENT AS SHOWN)

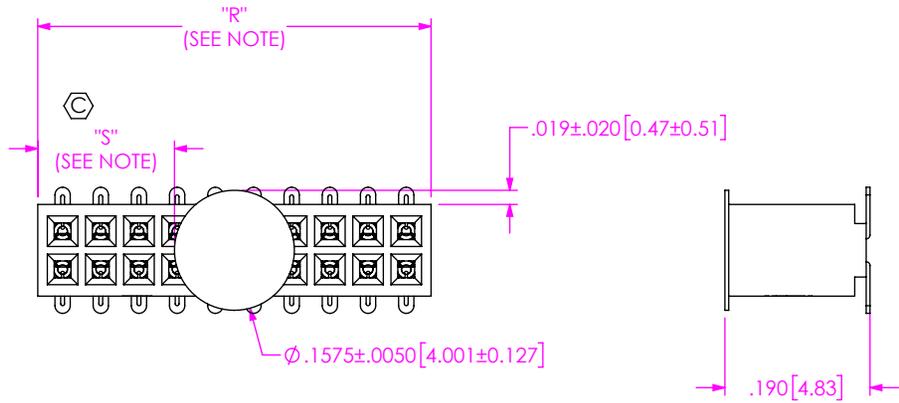


FIG 4  
-K: POLYIMIDE FILM PAD  
(SAME AS FIG 1, DIFFERENT AS SHOWN)  
NOTE: "R" = USED MEASURED DIMENSION REF  
"S" = {"R" - .1575[4.000]}/2 ±.020[0.51]

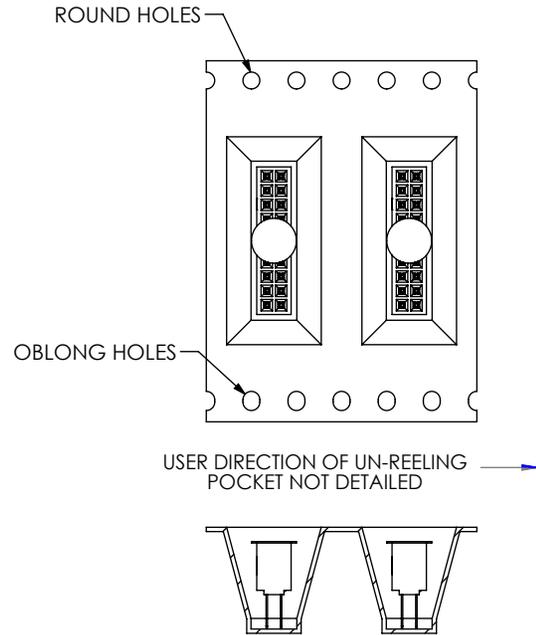
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SHEET SCALE: 4:1

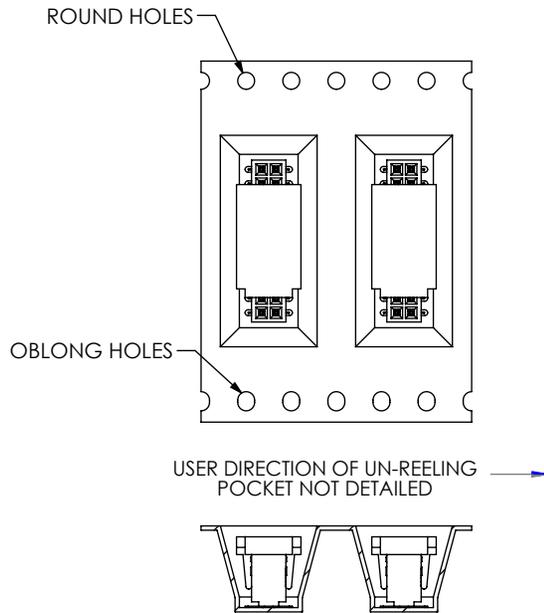
**samtec**  
520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
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DESCRIPTION:  
.050 x .050 CUTTABLE SOCKET STRIP DOUBLE ROW ASSEMBLY  
DWG. NO.  
**SFMC-1XX-XX-XX-D-XX**  
BY: BRATCHER 10/5/94 SHEET 2 OF 3

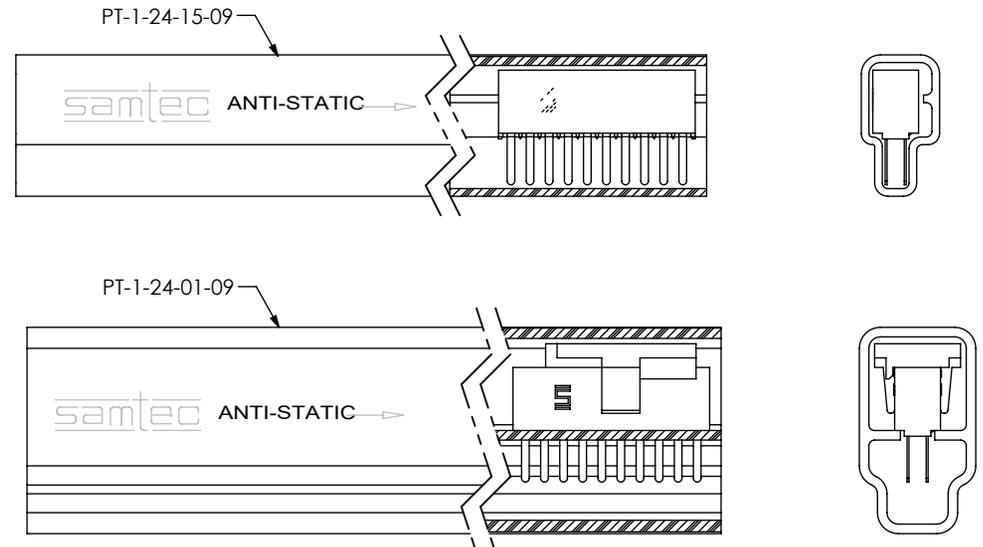
PACKAGING VIEW  
PACKAGE PARTS IN TUBES AS SHOWN



PACKAGING VIEW  
-TR: TAPE AND REEL THROUGH HOLE



PACKAGING VIEW  
-TR: TAPE AND REEL SURFACE MOUNT



NOTES:  
1. MIXED PIN ORIENTATION ACCEPTABLE.

TABLE 3 (SEE NOTE 4)		
LEAD STYLE	PACKAGING TUBE	PLUG
-X1, -X3, -X3-K	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
-X1-K	PT-1-24-15-09	TP-12
-X1-P, -X3-P	PT-1-24-01-09	TP-24

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DO NOT SCALE DRAWING

SHEET SCALE: 1.5:1

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

DWG. NO.  
**SFMC-1XX-XX-XX-D-XX**

BY: BRATCHER 10/5/94 SHEET 3 OF 3