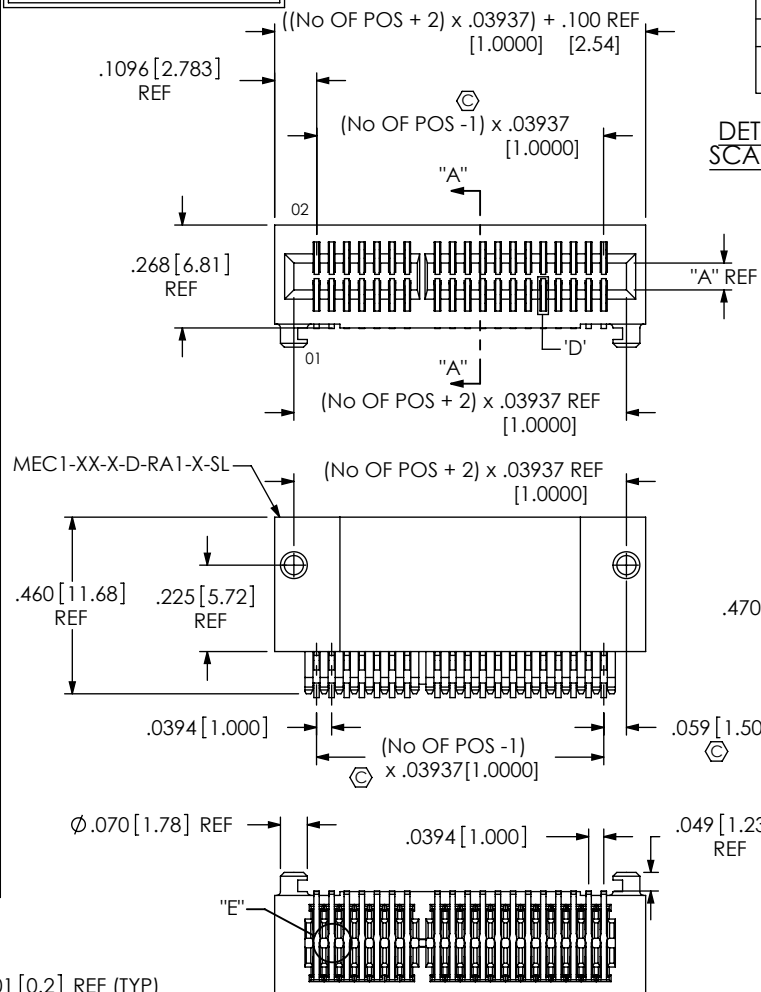


DO NOT  
SCALE FROM  
THIS PRINT

## MEC1-1XX-XX-XX-D-RAX-XX-SL-XX

No OF POSITIONS  
 -05, -08, -20, -30,  
 -40, -50, -60 & -70  
 (PER ROW - SEE TABLE 2)

CARD THICKNESS  
 -01: .031 THICK CARD  
 (USE MEC1-XX-T-D-RAX-X-SL)  
 -02: .062 THICK CARD  
 (USE MEC1-XX-S-D-RAX-X-SL)  
 (SEE TABLES 1 AND 4)

PLATING  
 -F: GOLD FLASH (USE C-150-XX-F-P)  
 -L: LIGHT SELECTIVE GOLD (USE C-150-XX-L-P)  
 -S: SELECTIVE GOLD (USE C-150-XX-S-P)  
 -FM: FLASH GOLD SELECTIVE, MATTE TIN TAIL  
 (USE C-150-XX-F-P)  
 -LM: LIGHT SELECTIVE GOLD, MATTE TIN TAIL  
 (USE C-150-XX-L-P)  
 -SM: SELECTIVE GOLD, MATTE TIN TAIL  
 (USE C-150-XX-S-P)

OPTION  
 -TR: TAPE & REEL  
 (SUBSTITUTE -T: FOR -TR: DESIGNATION  
 WHEN USING -XM PLATING DESIGNATION  
 WITH BOTH -NP AND -SL OPTIONS)  
 (-T OR -TR OPTION NOT AVAILABLE FOR  
 70 POS)

SOLDER LOCKS

NON-POLARIZED OPTION

-NP: NO POLARIZED POSITION  
 (ONLY AVAILABLE ON -05,  
 -08, -20, & -30 POSITIONS)

-BLANK: BODY IS POLARIZED

TAIL OPTION

-RA1: STANDARD

-RA2: ELEVATED

ROW SPECIFICATION

-D: DOUBLE (USE MEC1-XX-X-D-RAX-X-SL)

TABLE 2

| # POSITIONS | POSITIONS<br>POLARIZED |
|-------------|------------------------|
| -05         | 3, 4                   |
| -08         | 5, 6                   |
| -20         | 15, 16                 |
| -30         | 21, 22                 |
| -40         | 31, 32                 |
| -50         | 41, 42                 |
| -60         | 31, 32, 63, 64         |
| -70         | 53, 54, 115, 116       |

TABLE 3

| POSITION                | COPLANARITY |
|-------------------------|-------------|
| -05, -08, -20, -30, -40 | .0040[.102] |
| -50, -60, -70           | .0060[.152] |

TABLE 4

| CARD<br>THICKNESS | TAIL OPTION                  |                              |
|-------------------|------------------------------|------------------------------|
|                   | -RA1                         | -RA2                         |
| -01               | C-150-11-X-P<br>C-150-14-X-P | C-150-15-X-P<br>C-150-16-X-P |
| -02               | C-150-01-X-P<br>C-150-04-X-P | C-150-05-X-P<br>C-150-06-X-P |

### SECTION "A"-"A"

#### MEC1-120-02-XX-D-RA1-SL SHOWN (IN-PROCESSES ON SHEET 2)

NOTES:

1. REPRESENTS A CRITICAL DIMENSION.
2. COPLANARITY: SEE TABLE 3.
3. BURR ALLOWANCE: .004[0.10] MAX.
4. NOTE DELETED.
5. MINIMUM PUSHOUT FORCE: .5 LB.
6. NOTE DELETED.
7. TAIL OPTION -RA1 TO HAVE C-150-01-XX-X CONTACT FULLY PRE-FORMED.
8. TO BE MEASURED ON OPPOSING CONTACTS.
9. BODIES TO BE LAYER PACKAGED FOR TRANSIT BETWEEN INVENTORY AND PRODUCTION.
10. TO BE MEASURED AT 2 MAIN 90° BENDS.
11. HOT BAR FORM AFTER ASSEMBLY (WILL PRODUCE RETENTION FLANGE AS SHOWN).
12. -F PLATING OPTION CAN BE SUBBED FOR -FM, -L FOR -LM, & -S FOR -SM

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

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

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MATERIAL: DO NOT SCALE DRAWING  
 FLAMMABILITY RATING: UL 94V-0

INSULATOR: LCP  
 -01: COLOR: NATURAL  
 -02: COLOR: BLACK  
 CONTACT: PHOS BRONZE

F:\DWG\MISC\MKTG\MEC1-1XX-XX-XX-D-RAX-XX-SL-XX-MKT.SLDDRW

# 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: 1mm MEC1 -RA ASSEMBLY

DWG. NO.  
 MEC1-1XX-XX-XX-D-RAX-XX-SL-XX

BY: MARKS 01/25/00 SHEET 1 OF 3

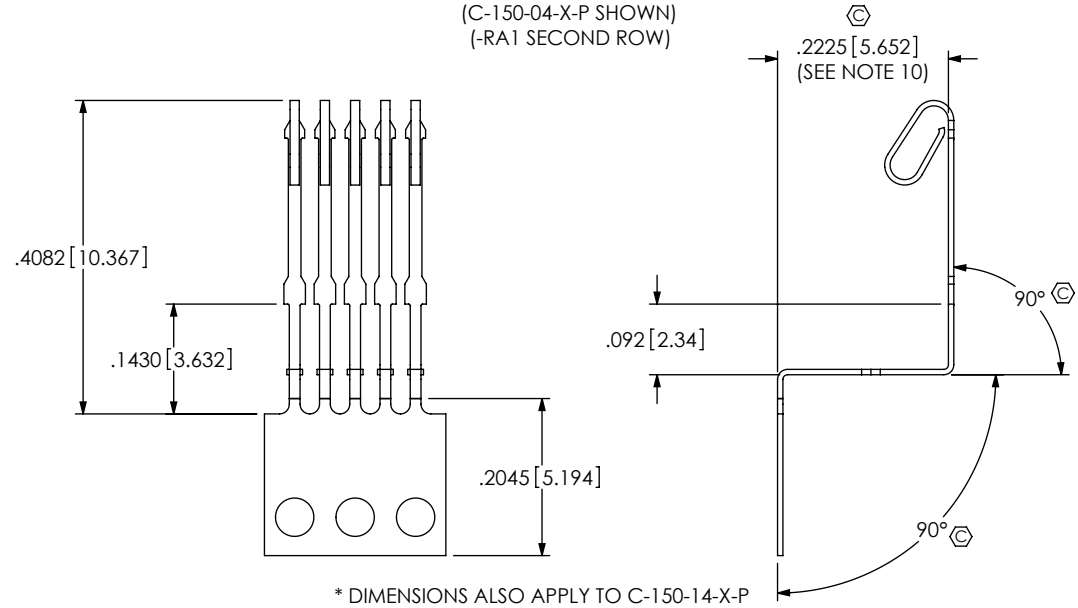
TABLE 5

| POSITIONS  | MAX BOW (T/B) |
|------------|---------------|
| 05 THRU 20 | .0020 [.051]  |
| 30 THRU 70 | .0030 [.076]  |

TABLE 1

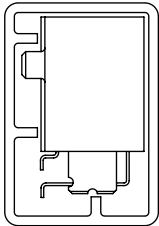
| CARD | "A"           | "B"          | "C"        |
|------|---------------|--------------|------------|
| -01  | .0420 [1.067] | .0160 [.406] | .011 [.28] |
| -02  | .0720 [1.829] | .0310 [.787] | .011 [.28] |

IN PROCESS  
(C-150-04-X-P SHOWN)  
(-RA1 SECOND ROW)



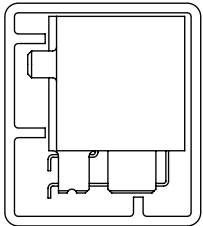
PACKAGING VIEW

STANDARD TAIL OPTION

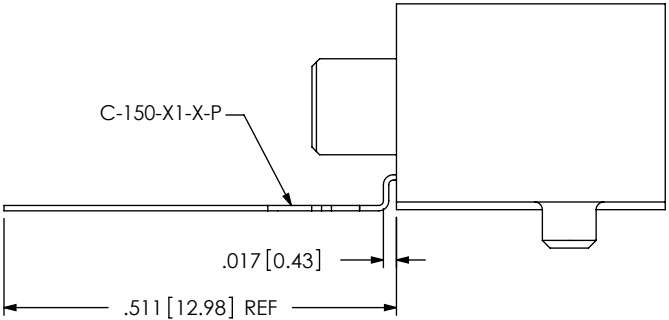


TUBE: PT-1-24-01-106  
PLUG: TP-07

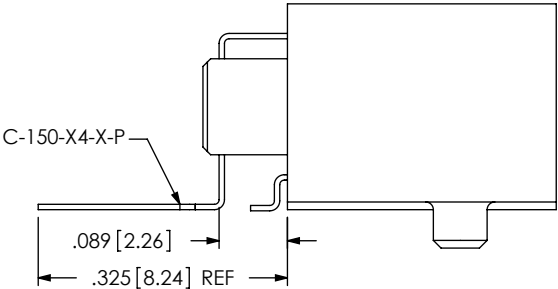
ELEVATED TAIL OPTION



TUBE: PT-1-24-02-106  
PLUG: TP-13



IN-PROCESS 1  
(-RA1 FIRST ROW)



IN-PROCESS 2  
(-RA1 SECOND ROW)

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SHEET SCALE: 4:1

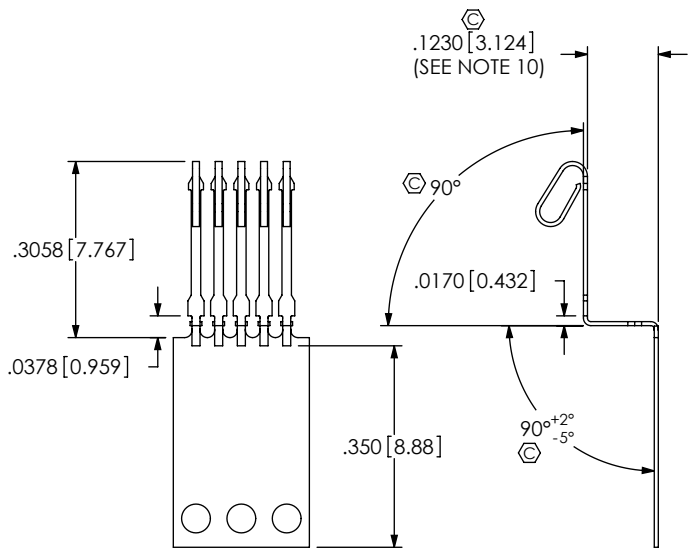


520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:  
1mm MEC1 -RA ASSEMBLY

DWG. NO.  
MEC1-1XX-XX-XX-D-RAX-XX-SL-XX

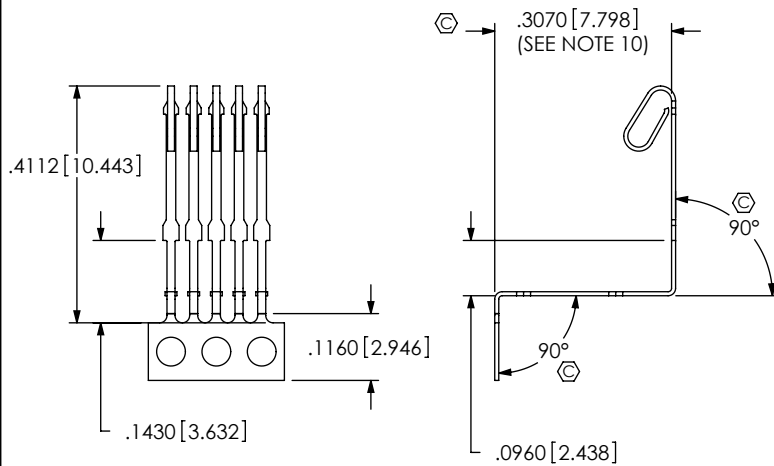
BY: MARKS 01/25/00 SHEET 2 OF 3



IN-PROCESS 1

(-RA2 FIRST ROW)  
(C-150-05-X-P SHOWN)

\* DIMENSIONS ALSO APPLY TO C-150-15-X-P  
**MEC1-120-02-XX-D-RA2-SL SHOWN**

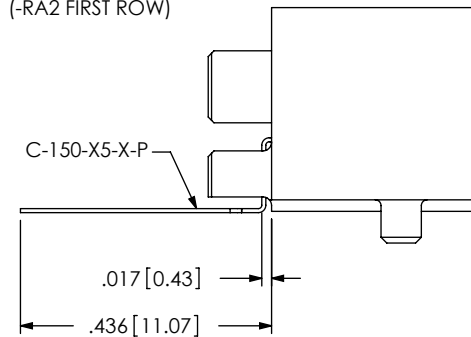


IN-PROCESS 1

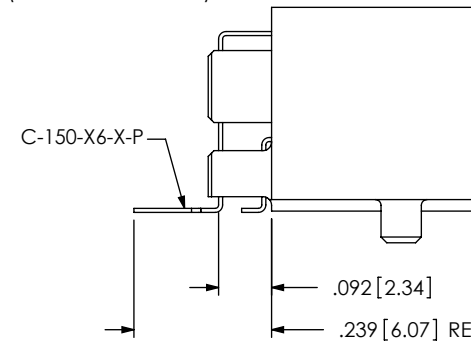
(-RA2 SECOND ROW)  
(C-150-06-X-P SHOWN)

\* DIMENSIONS ALSO APPLY TO C-150-16-X-P

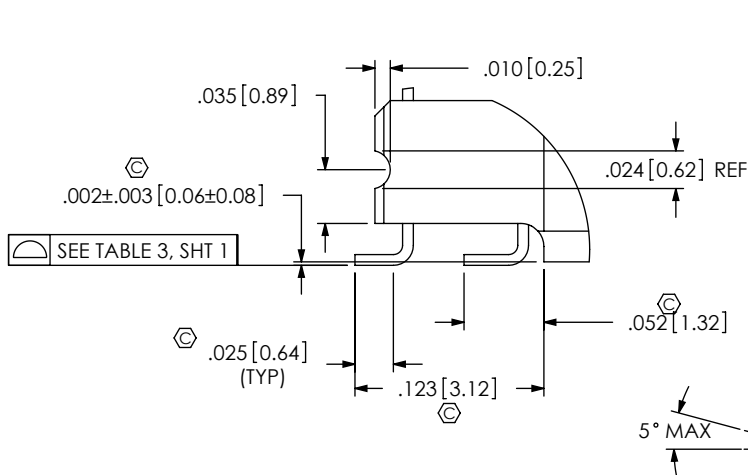
IN-PROCESS 2  
(-RA2 FIRST ROW)



IN-PROCESS 2  
(-RA2 SECOND ROW)

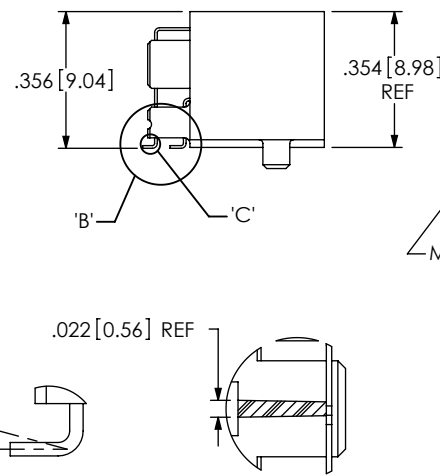


TAIL OPTION -RA2 [ELEVATED] SHOWN  
[DIFFERENT AS SHOWN, OTHERWISE SAME AS TAIL OPTION -RA1]



DETAIL 'B'  
SCALE 8 : 1

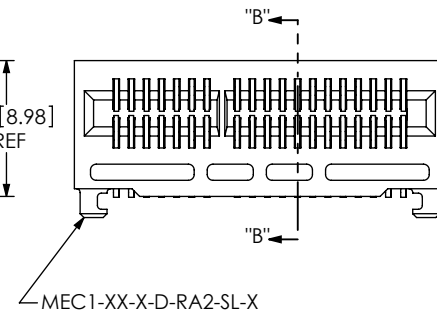
(DIMENSIONS APPLY TO -RA1 & -RA2 OPTIONS)  
(SEE NOTE 11 & DETAIL 'E', SHT 1)



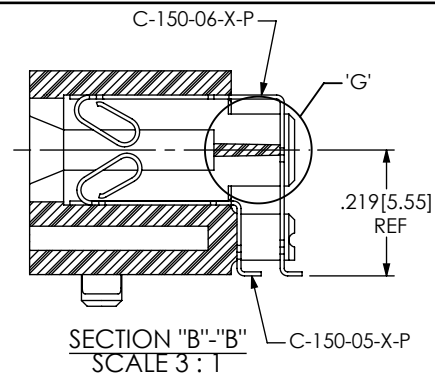
DETAIL 'C'  
SCALE 10 : 1

(APPLIES TO BOTH ROWS)

DETAIL 'G'  
SCALE 4 : 1



F:\DWG\MISC\MKTG\MEC1-1XX-XX-XX-D-RAX-XX-SL-XX-MKT.SLDDRW



SECTION "B"-"B"  
SCALE 3 : 1

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SHEET SCALE: 2:1

|                                                                                                                          |          |
|--------------------------------------------------------------------------------------------------------------------------|----------|
|                                                                                                                          |          |
| 520 PARK EAST BLVD. NEW ALBANY, IN 47150<br>PHONE: 812-944-6733 FAX: 812-948-5047<br>e-Mail: info@SAMTEC.com code: 55322 |          |
| DESCRIPTION:<br>1mm MEC1 -RA ASSEMBLY                                                                                    |          |
| DWG. NO.<br>MEC1-1XX-XX-XX-D-RAX-XX-SL-XX                                                                                |          |
| BY: MARKS                                                                                                                | 01/25/00 |
| SHEET 3 OF 3                                                                                                             |          |



**Стандарт  
Электрон  
Связь**

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**Наши контакты:**

**Телефон:** +7 812 627 14 35

**Электронная почта:** [sales@st-electron.ru](mailto:sales@st-electron.ru)

**Адрес:** 198099, Санкт-Петербург,  
Промышленная ул, дом № 19, литера Н,  
помещение 100-Н Офис 331