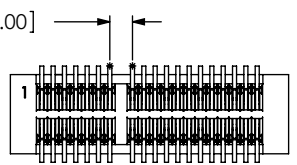
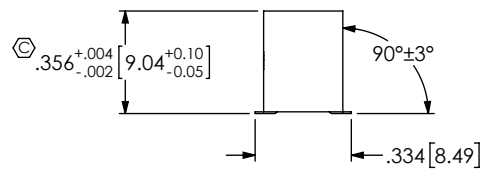
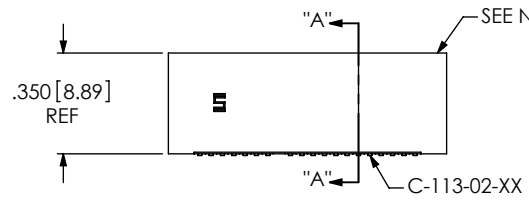
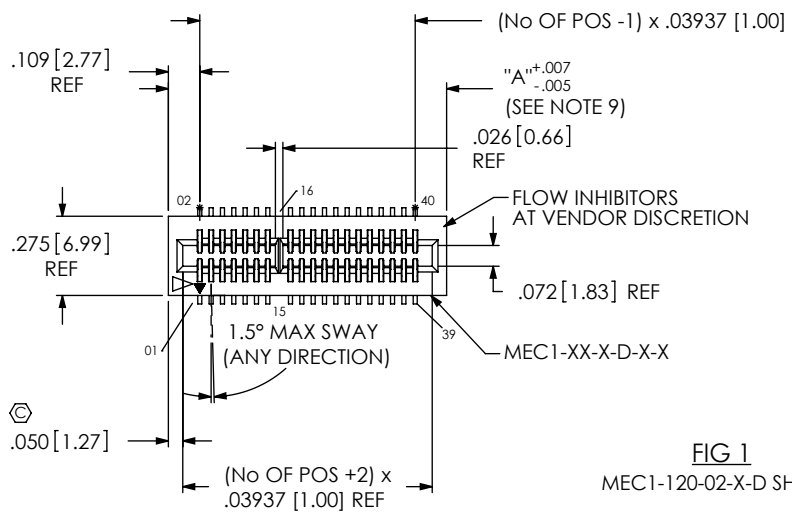


DO NOT SCALE FROM THIS PRINT



MEC1-1XX-XX-XX-D-XX-XX

**No OF POSITIONS**  
05, 08, 10, 20, 30, 40, 50, 60 & 70  
(PER ROW, SEE TABLE 1)

**CARD THICKNESS**  
-02: .062 [1.58] THICK CARD  
(USE MEC1-XX-S-D-X-X)

**PLATING SPECIFICATION**

- F: 3μ" FLASH GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- L: 10μ" LIGHT GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- S: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- FM: 3μ" FLASH GOLD IN CONTACT AREA, MATTE ON TIN TAIL
- LM: 10μ" LIGHT IN CONTACT AREA, MATTE TIN ON TAIL
- SM: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL

**OTHER OPTIONS**

- LC: LOCKING CLIP (SEE NOTE 8) (SEE FIG 2) (USE LC-05-TM)
- A: ALIGNMENT PIN (MOLDED, SEE FIG 4, SHT 2) (USE MEC1-XX-X-D-X-A)
- K: POLYIMIDE FILM PAD (SEE FIG 6, SHT 2) (USE K-DOT-.310-.406-.005)
- TR: TAPE & REEL PACKAGING (N/A IN 70 POSITION) (SEE FIG 5, SHT 2)

**POLARIZED OPTION (SEE TABLE 1)**

- BLANK: BODY IS POLARIZED
- NP: NO POLARIZATION (-05 THRU -30 ONLY) (USE MEC1-XX-X-D-N-X)

**ROW SPECIFICATION**

- D: DOUBLE ROW (USE MEC1-XX-X-D-X-X)

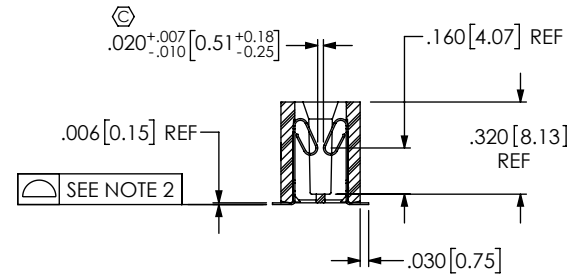
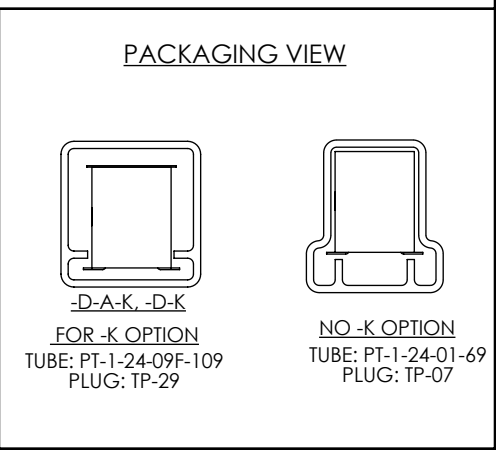
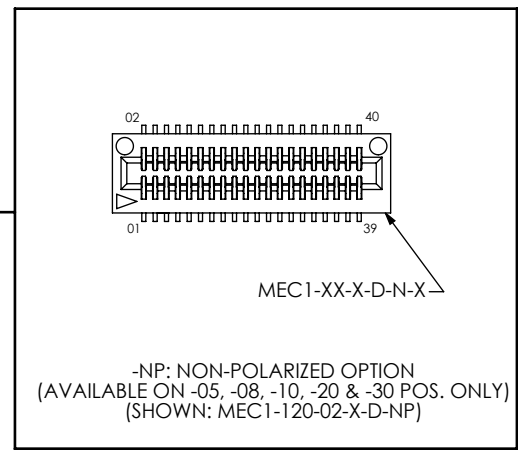
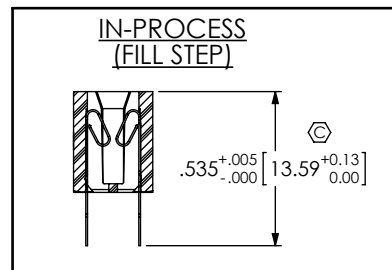


TABLE 1		
No OF POS	POSITIONS POLARIZED	"A"
-05	3, 4	.3756 + .007 / -.005
-08	5, 6	.4937 + .007 / -.005
-10	13 & 14	.5724 + .007 / -.005
-20	15, 16	.9661 + .007 / -.005
-30	21, 22	1.3598 + .007 / .005
-40	31, 32	1.7535 REF
-50	41, 42	2.1472 REF
-60	31, 32, 63 & 64	2.5409 REF
-70	53, 54, 115 & 116	2.9346 REF

NOTES:

- MINIMUM PUSHOUT FORCE: 10 oz.
- COPLANARITY: POS -05 THRU -26: .004 [0.10]  
POS -27 THRU -70: .006 [0.15]
- ⊗ REPRESENTS A CRITICAL DIMENSION.
- PACKAGE ALL POSITIONS IN TUBES.  
(WITH -K OPTION, USE PT-1-24-09F-109 TUBE & TP-29 TUBE PLUG)  
(WITHOUT -K OPTION, USE PT-1-24-01-69 TUBE & TP-07 TUBE PLUG)
- MAXIMUM CUT FLASH: .010; FLASH NOT TO EXTEND BELOW LEADS.
- MAXIMUM ALLOWABLE BOW: .002 INCH/INCH AFTER ASSEMBLY.
- MAXIMUM BURR: .003[08], BURR DIRECTION TO BE OPPOSITE OF SOLDER PAD AREA
- DUE TO THE 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.
- C1, OVERALL LENGTH, IS ONLY CONTROLLED BY THIS PRINT FOR CUT-TO-POSITION PARTS. FOR MOLDED-TO-POSITION PARTS, REFERENCE THE COMPONENT PRINT.



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.  
TOLERANCES ARE:  
DECIMALS ANGLES  
.XX: ±.01 [.3] 2°  
.XXX: ±.005 [.13]  
.XXXX: ±.0015 [.038]

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**MATERIAL:** DO NOT SCALE DRAWING SHEET SCALE: 1.5:1  
**INSULATOR:** VECTRA E130i COLOR: BLACK  
**CONTACT:** BeCu 190 HM  
F:\DWG\MISC\MKTG\MEC1-1XX-XX-XX-D-XX-XX-MKT.SLDDRW

520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code: 53322

**DESCRIPTION:**  
1mm MINI-EDGE CARD ASSEMBLY

DWG. NO.  
**MEC1-1XX-XX-XX-D-XX-XX**

BY: KEVIN B 5/11/2000 SHEET 1 OF 2

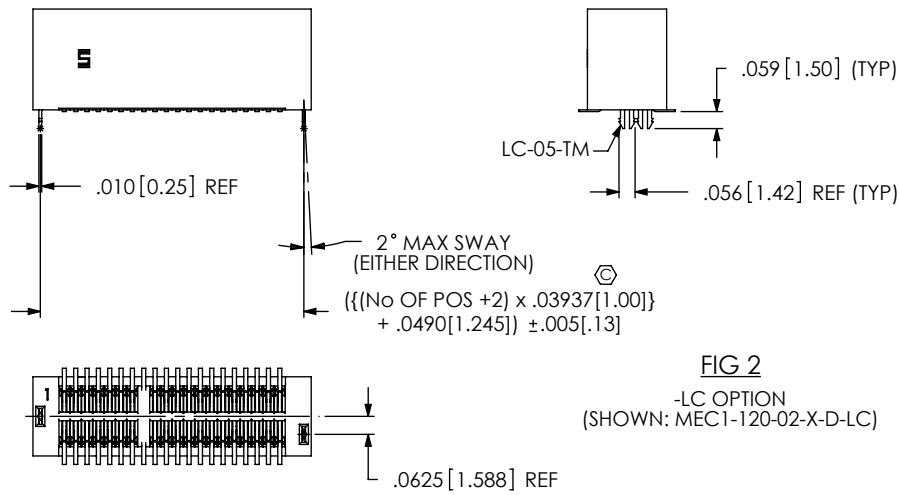


FIG 2  
-LC OPTION  
(SHOWN: MEC1-120-02-X-D-LC)

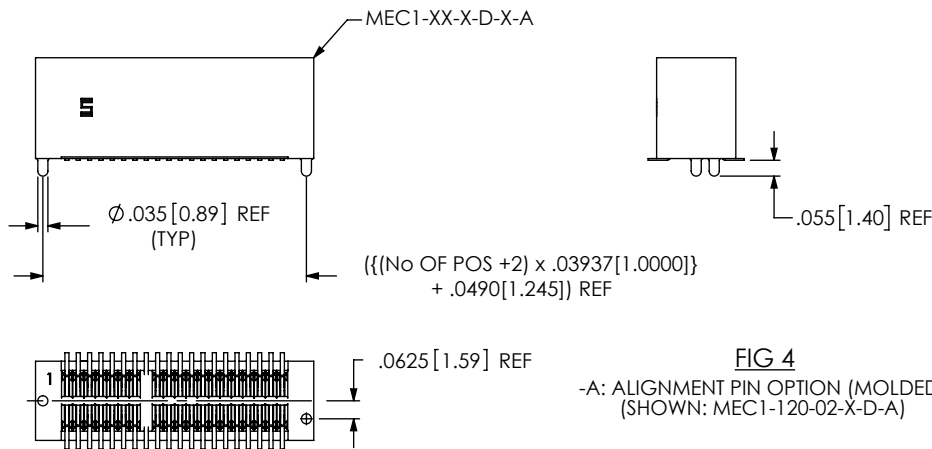


FIG 4  
-A: ALIGNMENT PIN OPTION (MOLDED)  
(SHOWN: MEC1-120-02-X-D-A)

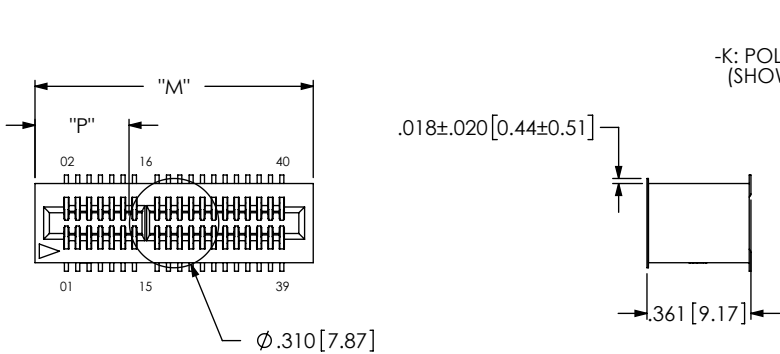
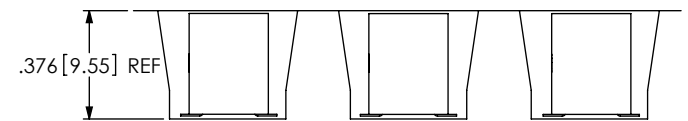
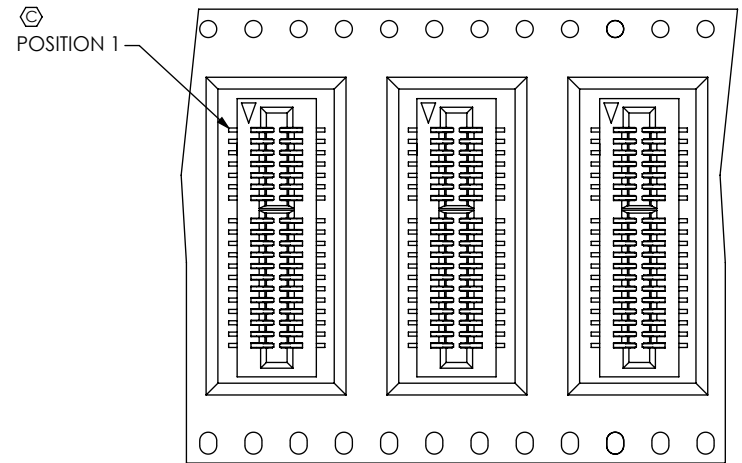


FIG 6  
-K: POLYIMIDE FILM PAD OPTION  
(SHOWN: MEC1-120-02-X-D-K)

NOTE: "M" = USED MEASURED DIMENSION (REF)  
"P" =  $\{("M" - .310 [7.87]) / 2\} \pm .020 [5.1]$

FIG 5  
-TR: TAPE & REEL PACKAGING VIEW  
(NOT DRAWN TO SCALE)



USER DIRECTION OF UNREELING →

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

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DO NOT SCALE DRAWING

SHEET SCALE: 1.5:1



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PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:  
1mm MINI-EDGE CARD ASSEMBLY

DWG. NO.  
**MEC1-1XX-XX-XX-D-XX-XX**

BY: KEVIN B 5/11/2000 SHEET 2 OF 2