

DO NOT SCALE FROM THIS PRINT

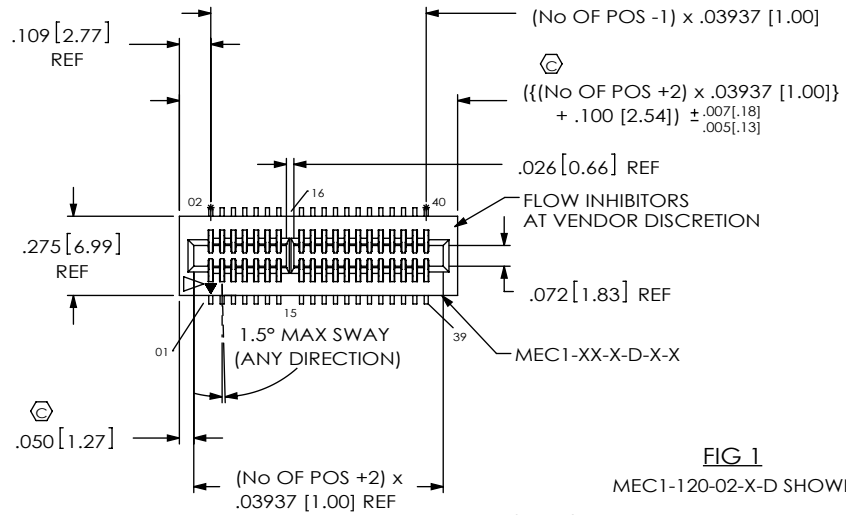


FIG 1  
MEC1-120-02-X-D SHOWN

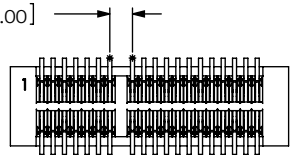
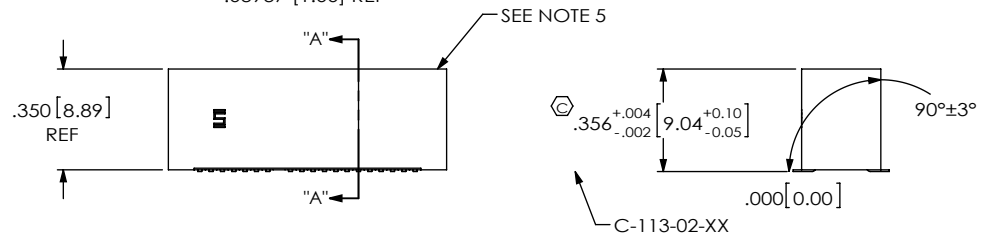
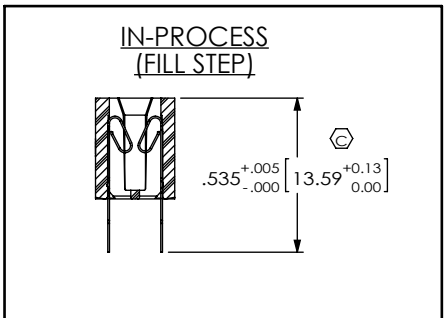


TABLE 2	
No Of POS	POSITIONS POLARIZED
-05	3, 4
-08	5, 6
-10	13 & 14
-20	15, 16
-30	21, 22
-40	31, 32
-50	41, 42
-60	31, 32, 63 & 64
-70	53, 54, 115 & 116

NOTES:

- MINIMUM PUSHOUT FORCE: 10 oz.
- COPLANARITY: POS -05 THRU -26: .004 [.10]  
POS -27 THRU -70: .006 [.15]
- ⊕ REPRESENTS A CRITICAL DIMENSION.
- PACKAGE ALL POSITIONS IN TUBES.  
(WITH -K OPTION, USE PT-1-24-01-70 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.



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

**No OF POSITIONS**  
05, 08, 10, 20, 30, 40, 50, 60 & 70  
(PER ROW, SEE TABLE 2)

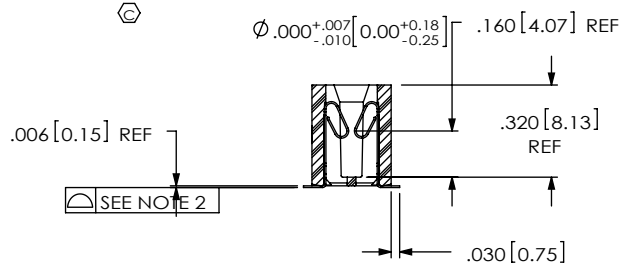
**CARD THICKNESS**  
-02: .062 [1.58] THICK CARD  
(USE MEC1-XX-S-D-X-X)

**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 TIN ON TAIL  
-LM: 10μ" LIGHT GOLD IN CONTACT AREA, MATTE TIN ON TAIL  
-SM: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL

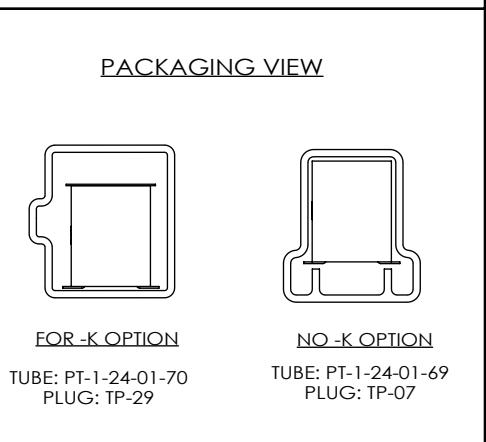
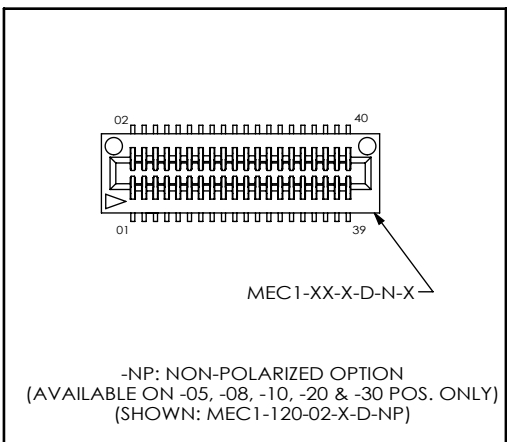
**OTHER OPTIONS**  
-LC: LOCKING CLIP (SEE NOTE 8) (SEE FIG 2) (USE LC-05-TM)  
-A: ALIGNMENT PIN (MOLDED, SEE FIG 4, SHT 2) (USE MEC1-XX-X-D-X-A)  
-K: POLYIMIDE FILM PAD (SEE FIG 6, SHT 2) (USE K-DOT-.310-.406-.005)  
-TR: TAPE & REEL PACKAGING (N/A IN 70 POSITION) (SEE FIG 5, SHT 2)

**POLARIZED OPTION (SEE TABLE 2)**  
-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)



SECTION "A"-"A"



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.SLDRW

520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code: 5332

**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

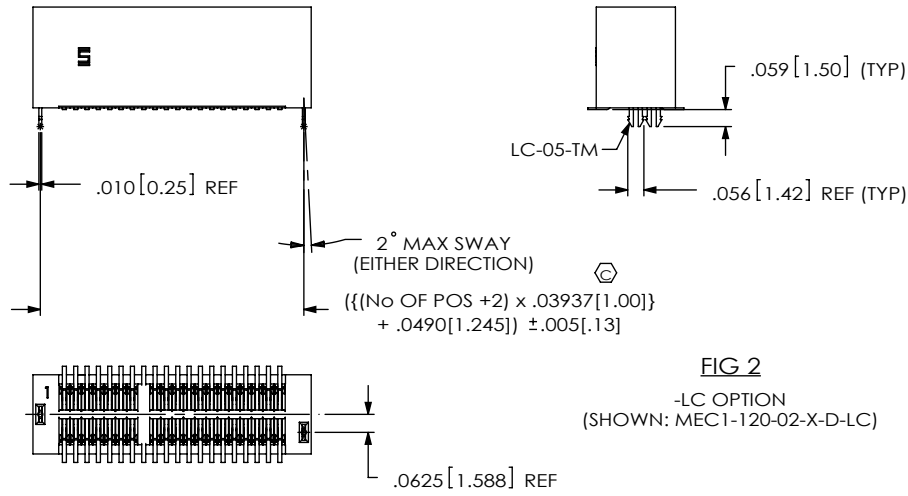


FIG 2  
-LC OPTION  
(SHOWN: MEC1-120-02-X-D-LC)

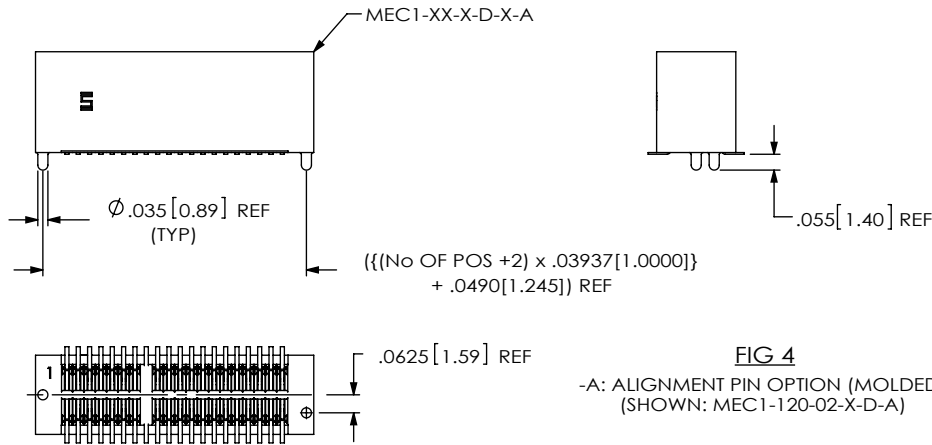


FIG 4  
-A: ALIGNMENT PIN OPTION (MOLDED)  
(SHOWN: MEC1-120-02-X-D-A)

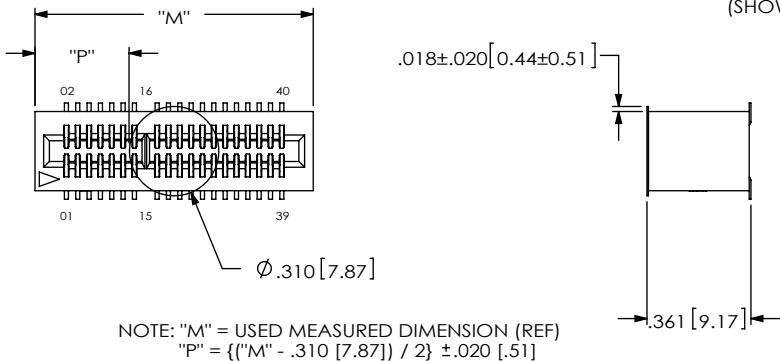
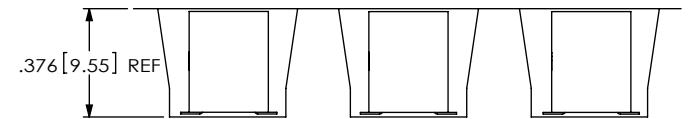
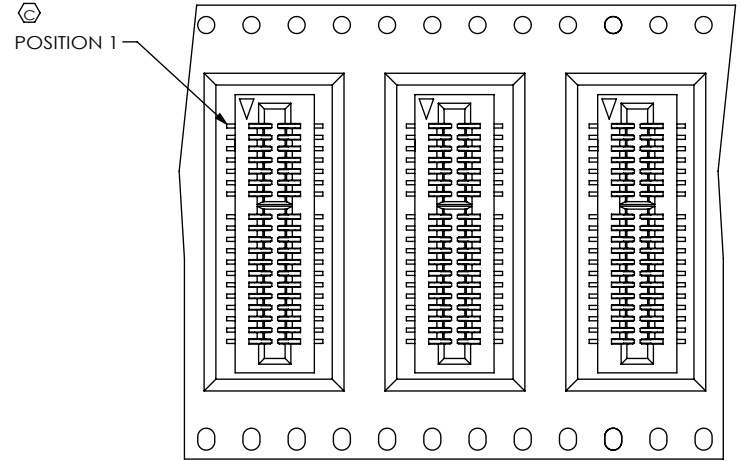


FIG 6  
-K: POLYIMIDE FILM PAD OPTION  
(SHOWN: MEC1-120-02-X-D-K)

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

**samtec**

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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