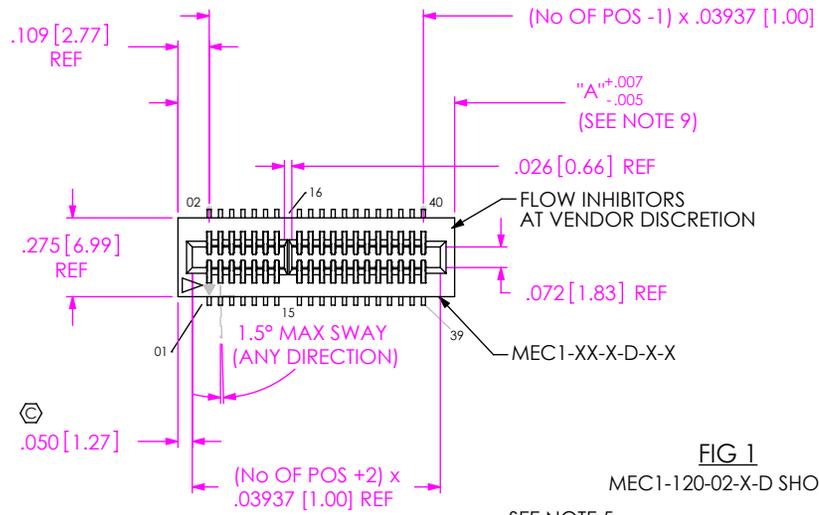


DO NOT SCALE FROM THIS PRINT

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)

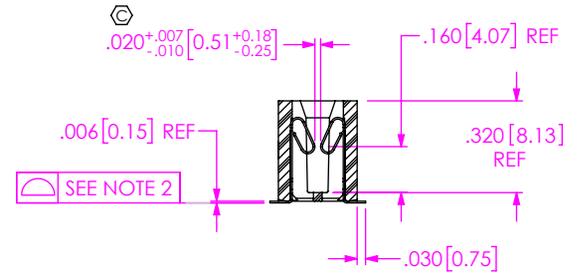
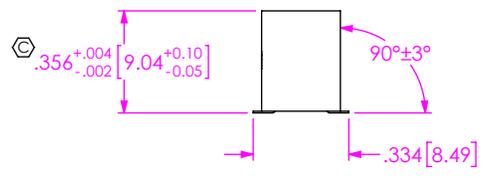
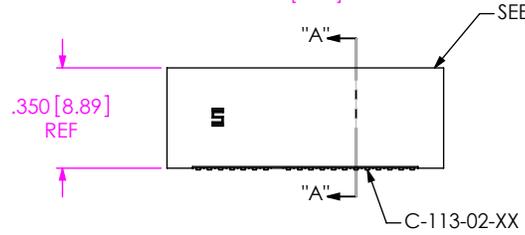
POLARIZED OPTION (SEE TABLE 1)

- 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)

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

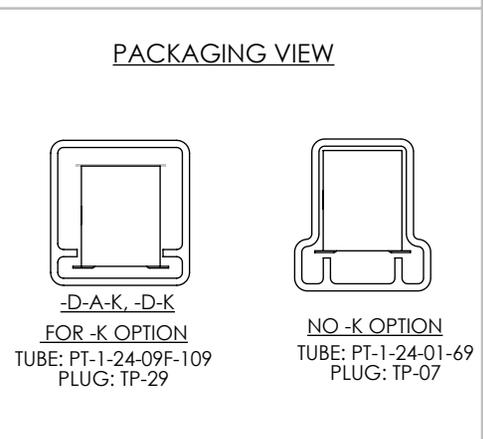
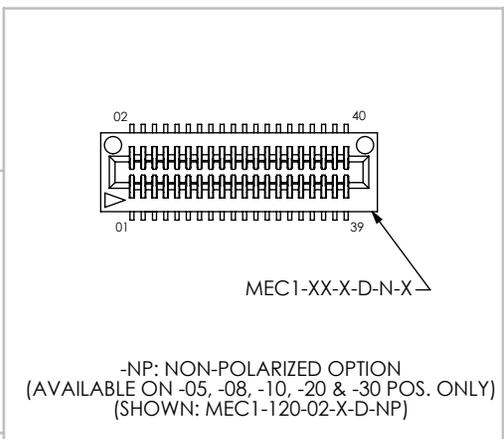
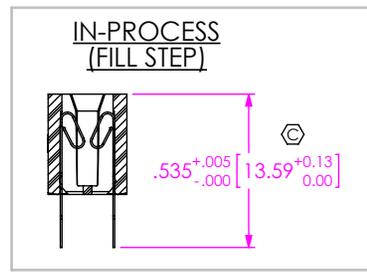


SECTION "A"-"A"

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 [.10]
POS -27 THRU -70: .006 [.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: 55322

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

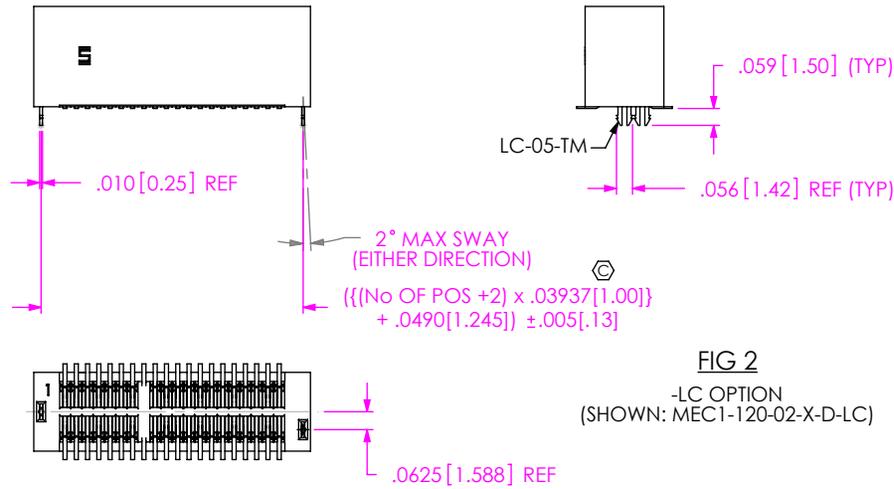


FIG 2
-LC OPTION
(SHOWN: MEC1-120-02-X-D-LC)

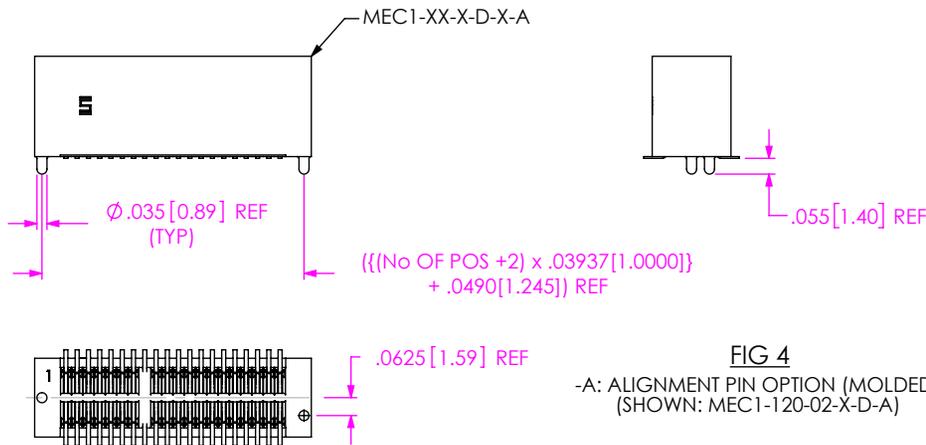


FIG 4
-A: ALIGNMENT PIN OPTION (MOLDED)
(SHOWN: MEC1-120-02-X-D-A)

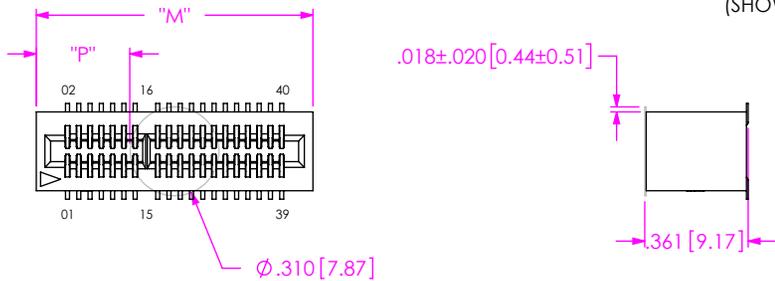
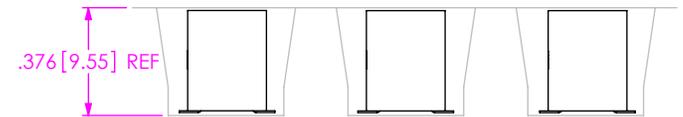
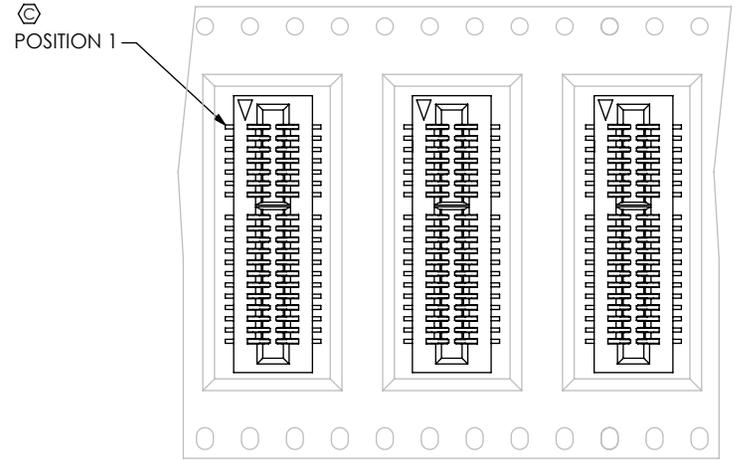


FIG 6
-K: POLYIMIDE FILM PAD OPTION
(SHOWN: MEC1-120-02-X-D-K)

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

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 MINI-EDGE CARD ASSEMBLY

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

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