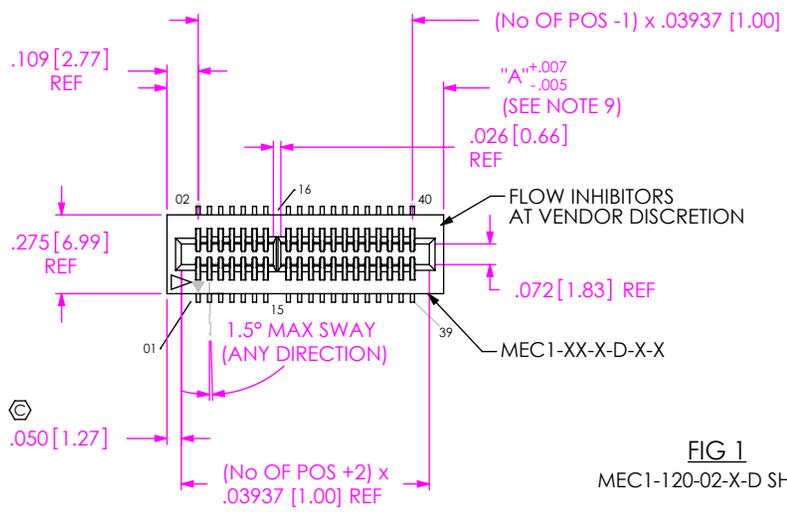


DO NOT SCALE FROM THIS PRINT



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

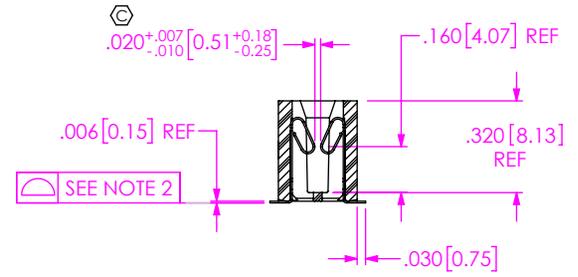
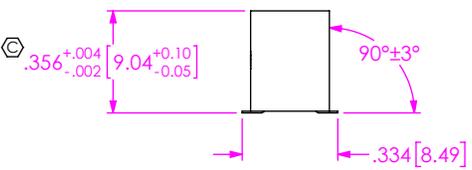
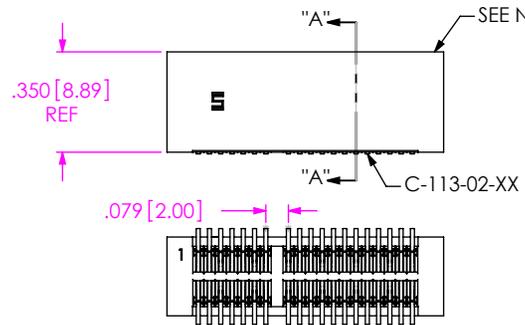
CARD THICKNESS
-02: .062 [1.58] THICK CARD (USE MEC1-XX-S-D-X-X)

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) (SEE NOTE 10)
-FR: FULL REEL QTY. TAPE & REEL (N/A IN 70 POSITION) (SEE NOTE 11)

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

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)

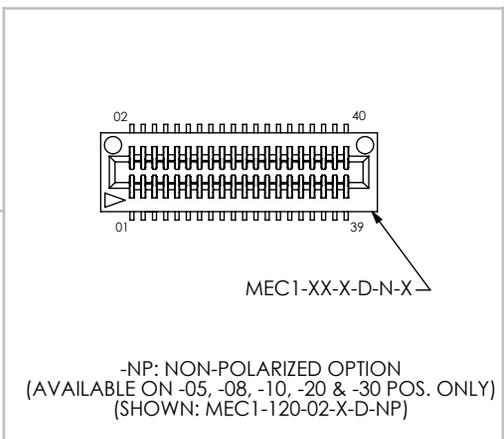
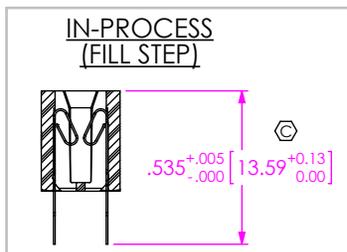


SECTION "A"-"A"

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 UNLESS -TR OR -FR.
- 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.
- C.1, OVERALL LENGTH, IS ONLY CONTROLLED BY THIS PRINT FOR CUT-TO-POSITION PARTS. FOR MOLDED-TO-POSITION PARTS, REFERENCE THE COMPONENT PRINT.
- TR OPTION ORDERS INVOLVING PARTIAL REEL QUANTITIES MAY BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
- FR OPTIONS WILL BE SHIPPED AT THE MAX QUANTITY PER REEL, BASED ON OPTIONS SELECTED.

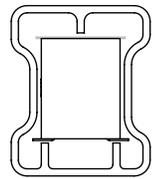


UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS ANGLES
.XX: ±.01 [.3] 2°
.XXX: ±.005 [.13]
.XXXX: ±.0015 [.038]

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1.5:1
INSULATOR: VECTRA E130i COLOR: BLACK
CONTACT: BeCu 190 HM

PACKAGING VIEW



TUBE: PT-MEC1001
PLUG: TP-29

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1.5:1
INSULATOR: VECTRA E130i COLOR: BLACK
CONTACT: BeCu 190 HM

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 1 OF 2

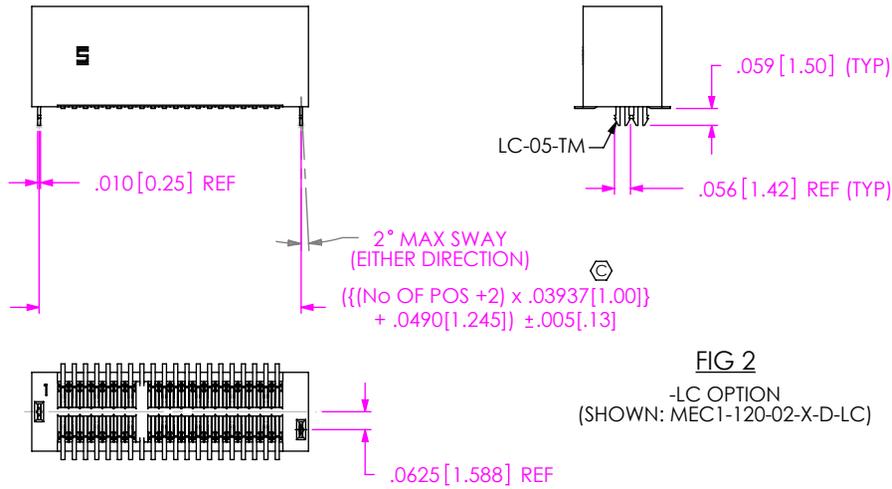


FIG 2
-LC OPTION
(SHOWN: MEC1-120-02-X-D-LC)

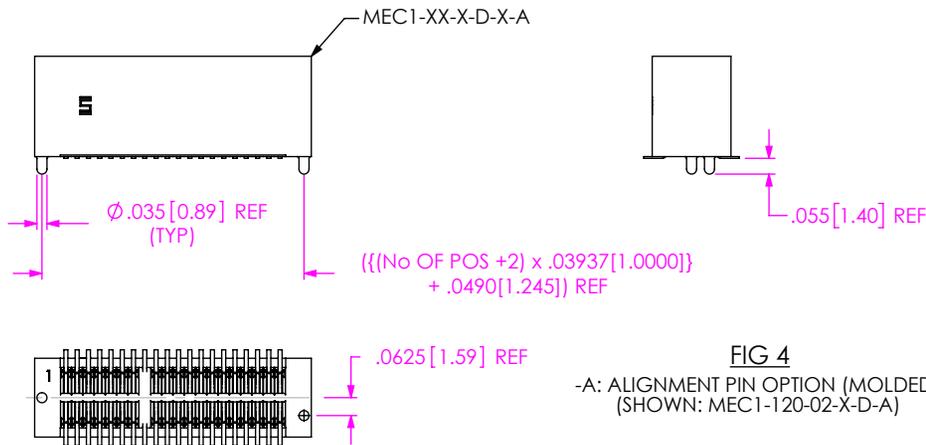


FIG 4
-A: ALIGNMENT PIN OPTION (MOLDED)
(SHOWN: MEC1-120-02-X-D-A)

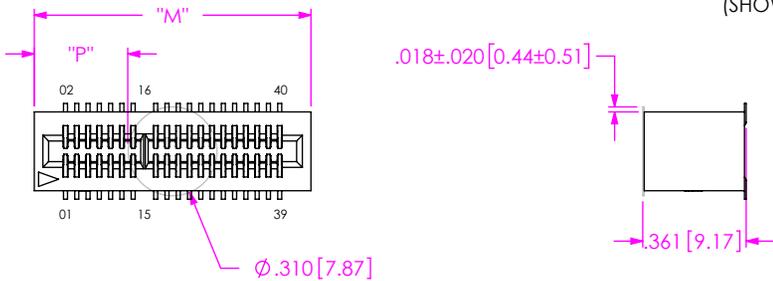
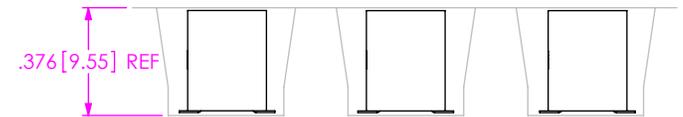
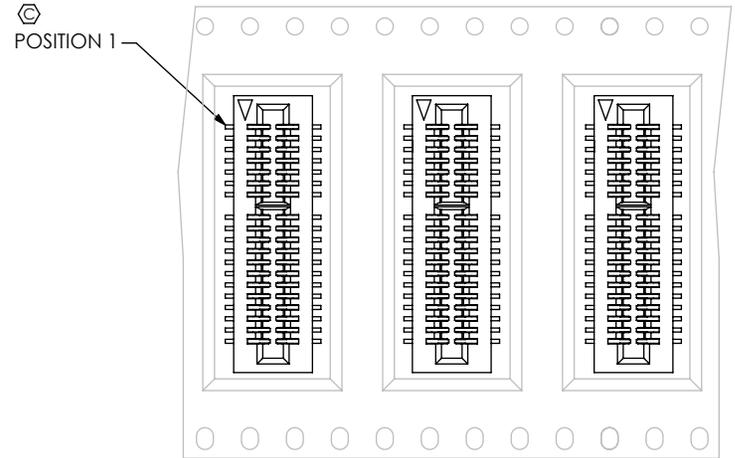


FIG 6
-K: POLYIMIDE FILM PAD OPTION
(SHOWN: MEC1-120-02-X-D-K)

NOTE: "M" = USED MEASURED DIMENSION (REF)
"P" = $\{("M" - .310 [7.87]) / 2\} \pm .020 [51]$

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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1mm MINI-EDGE CARD ASSEMBLY

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

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