

No OF POSITIONS
 05, 08, 10, 20, 30, 40, 50, 60 & 70
 (PER ROW, SEE TABLE 1)
 (MEC1C-XX-S-D-X-X ONLY AVAILABLE
 IN 5 THRU 30 POSITIONS.)
 (MUST USE MEC1-XX-S-D-X-X FOR AUTOMATION,
 HAND-FILL PROCESS CAN USE EITHER)

CARD THICKNESS
 -02: .062 [1.58] THICK CARD

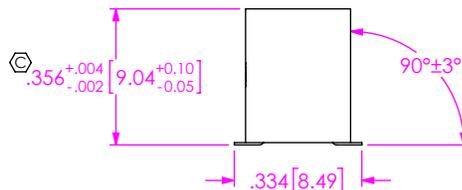
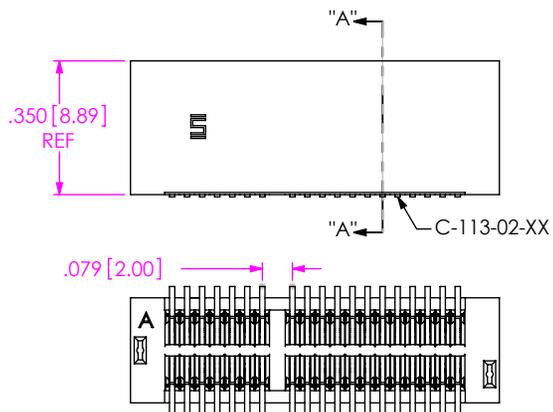
PLATING SPECIFICATION
 -F: 3µ" FLASH GOLD IN CONTACT AREA,
 MATTE TIN ON TAIL
 -L: 10µ" LIGHT GOLD IN CONTACT AREA,
 MATTE TIN ON TAIL
 -S: 30µ" SELECTIVE GOLD IN CONTACT AREA,
 MATTE TIN ON TAIL
 -FM: 3µ" FLASH GOLD IN CONTACT AREA,
 MATTE ON TIN TAIL
 -LM: 10µ" LIGHT IN CONTACT AREA,
 MATTE TIN ON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

POLARIZED OPTION (SEE TABLE 1)
 -BLANK: BODY IS POLARIZED
 -NP: NO POLARIZATION (-05 THRU -30 ONLY)

ROW SPECIFICATION
 -D: DOUBLE ROW

DO NOT
 SCALE FROM
 THIS PRINT



SECTION "A"- "A"

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

TABLE 1			
No OF POS	POSITIONS POLARIZED	"A"	"B" (HAND-FILL)
-05	3, 4	.3756 [9.540]	.3756 [9.540]
-08	5, 6	.4937 [12.540]	.4937 [12.540]
-10	13 & 14	.5724 [14.539]	.5724 [14.539]
-20	15, 16	.9661 [24.539]	.9661 [24.539]
-30	21, 22	1.3598 [34.539]	1.3598 [34.539]
-40	31, 32	1.7535 [44.539]	N/A
-50	41, 42	2.1472 [54.539]	N/A
-60	31, 32, 63 & 64	2.5409 [64.539]	N/A
-70	53, 54, 115 & 116	2.9346 [74.539]	N/A

- NOTES:
1. MINIMUM PUSHOUT FORCE: 10 oz.
 2. COPLANARITY: POS -05 THRU -26: .004 [.10]
 POS -27 THRU -70: .006 [.15]
 3. Ⓢ REPRESENTS A CRITICAL DIMENSION.
 4. PACKAGE ALL POSITIONS IN TUBES UNLESS -TR OR -FR.
 5. MAXIMUM CUT FLASH: .010; FLASH NOT TO EXTEND BELOW LEADS.
 6. MAXIMUM ALLOWABLE BOW: .002 INCH/INCH AFTER ASSEMBLY.
 7. MAXIMUM BURR: .003 [.08], BURR DIRECTION TO BE OPPOSITE OF SOLDER PAD AREA
 8. 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.
 9. C1, OVERALL LENGTH, IS ONLY CONTROLLED BY THIS PRINT FOR CUT-TO-POSITION PARTS. FOR MOLDED-TO-POSITION PARTS, REFERENCE THE COMPONENT PRINT.
 10. -TR OPTION ORDERS INVOLVING PARTIAL REEL QUANTITIES MAY BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
 11. -FR OPTIONS WILL BE SHIPPED AT THE MAX QUANTITY PER REEL, BASED ON OPTIONS SELECTED.
 12. PART ORIENTATION IN POCKET ONLY TO BE CHECKED ON HAND FILL PARTS.

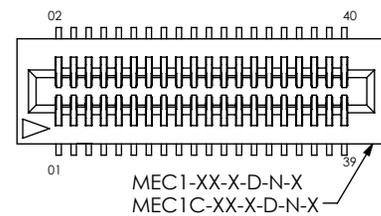
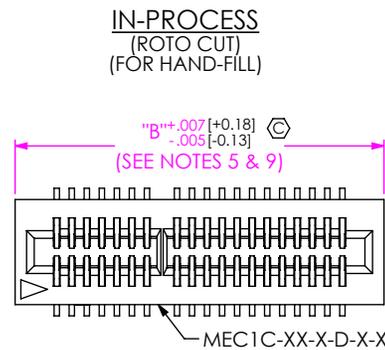
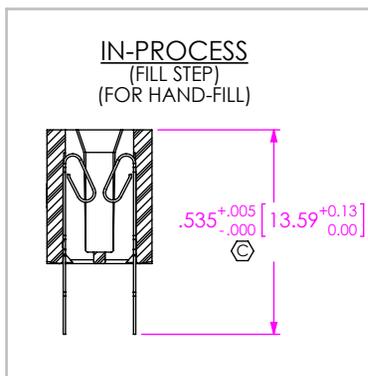


FIG 3
 -NP: NON-POLARIZED OPTION
 (AVAILABLE ON -05, -08, -10, -20 & -30 POS. ONLY)
 (SHOWN: MEC1-120-02-X-D-NP)

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
INSULATOR: VECTRA E130i COLOR: BLACK
CONTACT: BeCu 190 HM

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

SHEET SCALE: 2:1
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**



520 PARK EAST BLVD, NEW ALBANY, IN 47150
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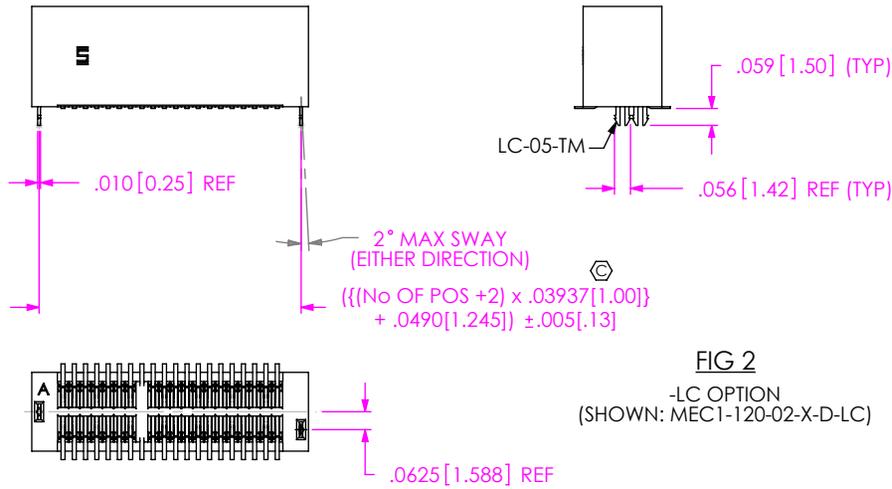


FIG 2
-LC OPTION
(SHOWN: MEC1-120-02-X-D-LC)

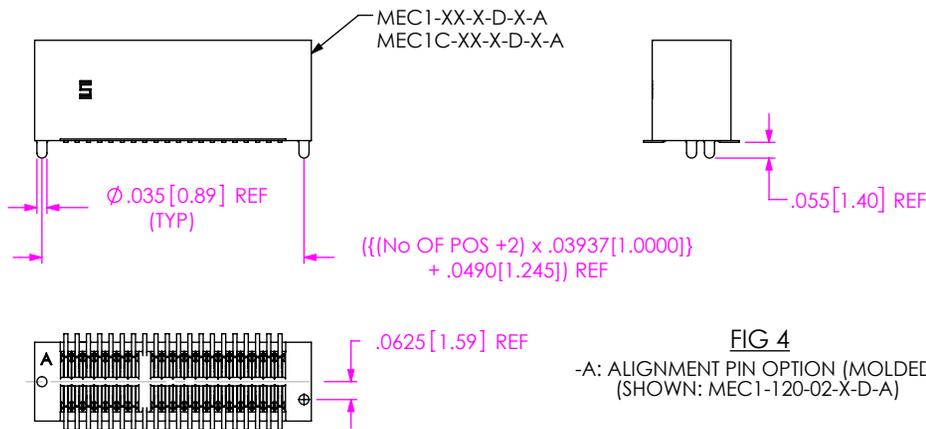


FIG 4
-A: ALIGNMENT PIN OPTION (MOLDED)
(SHOWN: MEC1-120-02-X-D-A)

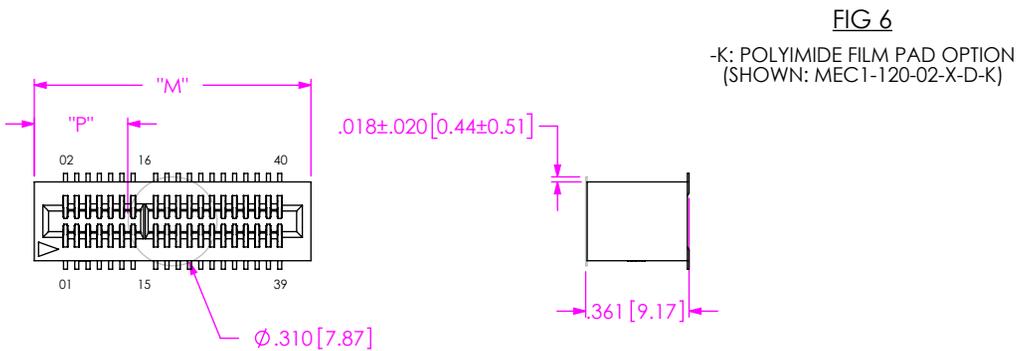
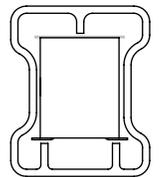
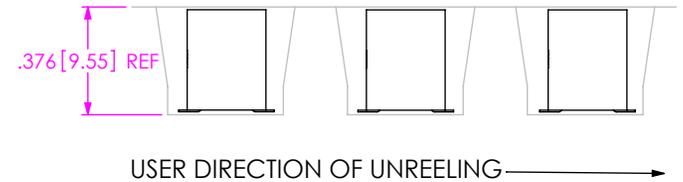
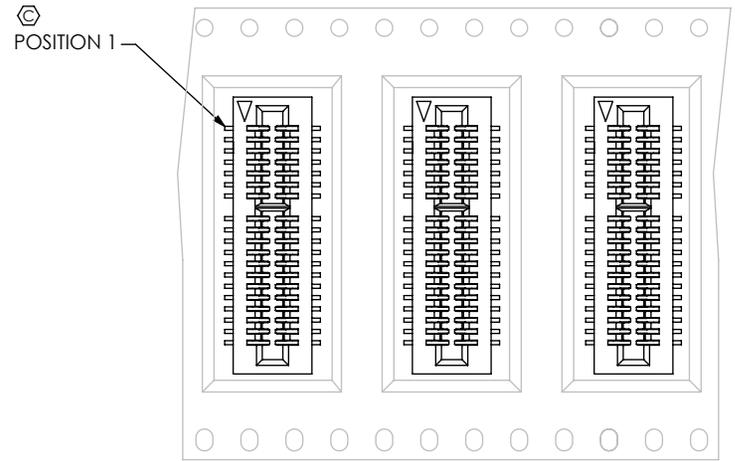


FIG 6
-K: POLYIMIDE FILM PAD OPTION
(SHOWN: MEC1-120-02-X-D-K)

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

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

FIG 5
-TR: TAPE & REEL PACKAGING VIEW
(NOT DRAWN TO SCALE)
(SEE NOTE 12)



PACKAGING VIEW

TUBE: PT-MEC1001
PLUG: TP-29

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DO NOT SCALE DRAWING

SHEET SCALE: 1.5:1



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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