

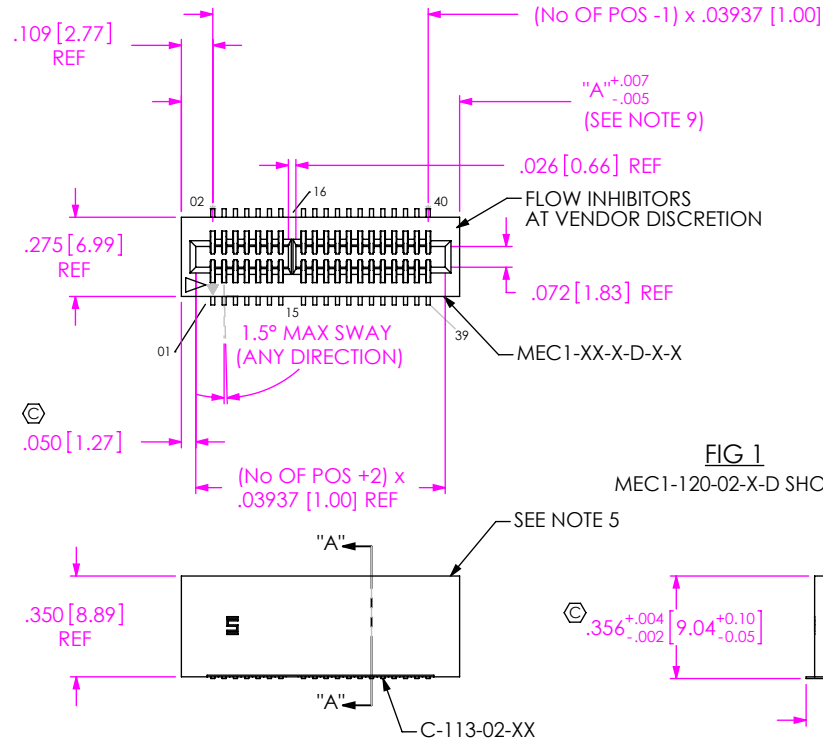
DO NOT
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THIS PRINT

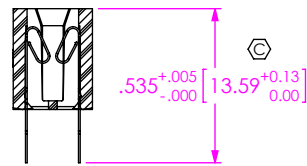
FIG 1

MEC1-120-02-X-D SHOWN

SEE NOTE 5

"A"

"A"

IN-PROCESS
(FILL STEP)

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

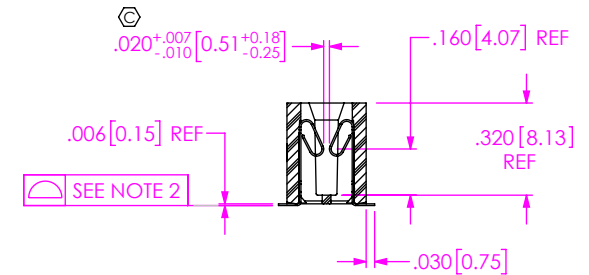
-LC: LOCKING CLIP (SEE NOTE 8)
(SEE FIG 2)(USE LC-05-TM)
-A: ALIGNMENT PIN
(MOLDED, SEE FIG 4, SHT 2)
(USE MEC1-XX-X-D-X-A)
-K: POLYIMIDE FILM PAD
(SEE FIG 6, SHT 2)(USE K-DOT-.310-.406-.005)
-TR: TAPE & REEL PACKAGING
(N/A IN 70 POSITION)(SEE FIG 5, SHT 2)

POLARIZED OPTION (SEE TABLE 1)

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

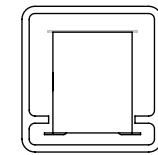
ROW SPECIFICATION

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



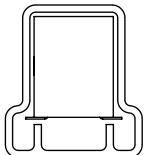
SECTION "A"-"A"

PACKAGING VIEW



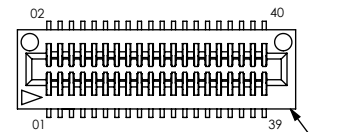
-D-A-K, -D-K

FOR -K OPTION
TUBE: PT-1-24-09F-109
PLUG: TP-29



NO -K OPTION

TUBE: PT-1-24-01-69
PLUG: TP-07



MEC1-XX-X-D-N-X

-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 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

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

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:

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.
(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)
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.

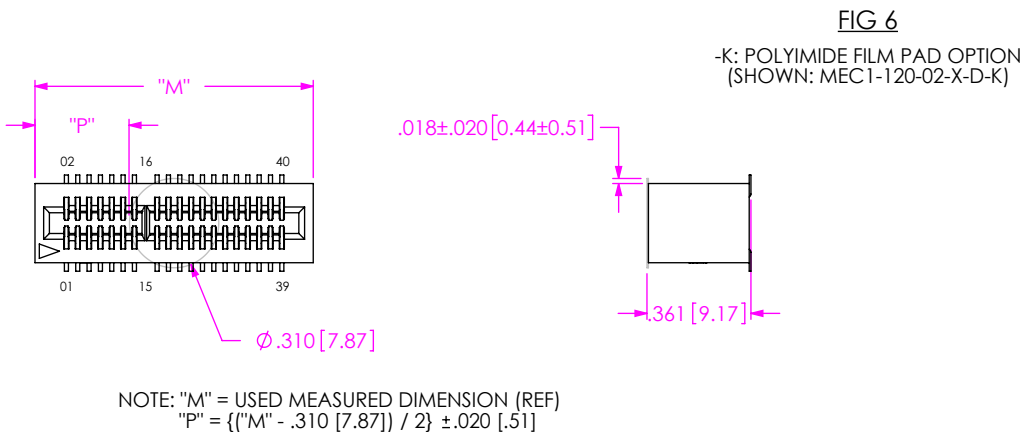
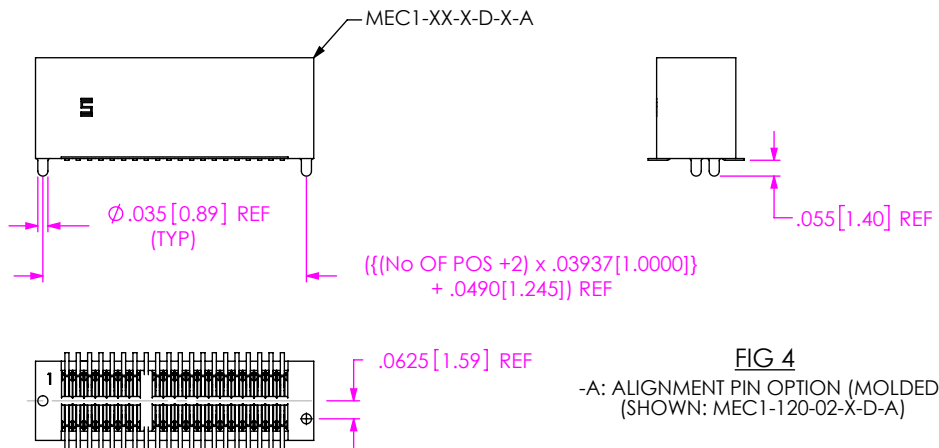
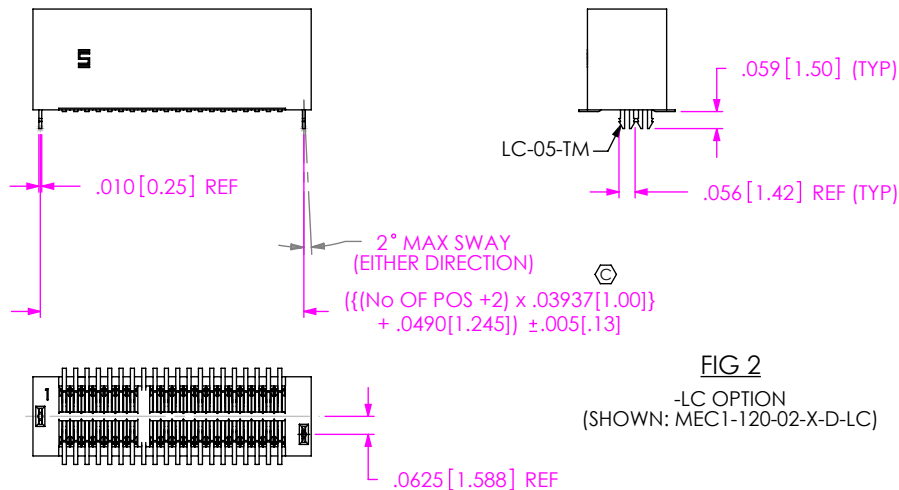
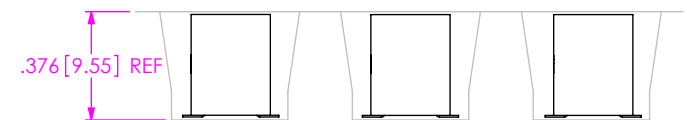
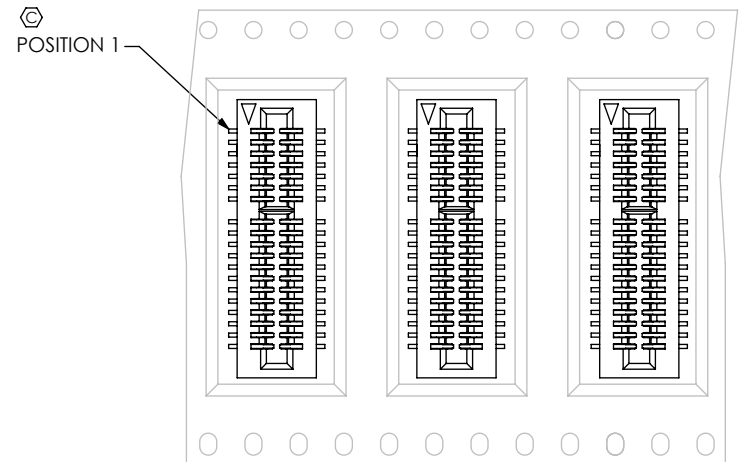


FIG 5
-TR: TAPE & REEL PACKAGING VIEW
(NOT DRAWN TO SCALE)



USER DIRECTION OF UNREELING →

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

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SHEET SCALE: 1.5:1

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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

Mouser Electronics

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