

REVISION AS

DO NOT
SCALE FROM
THIS PRINT

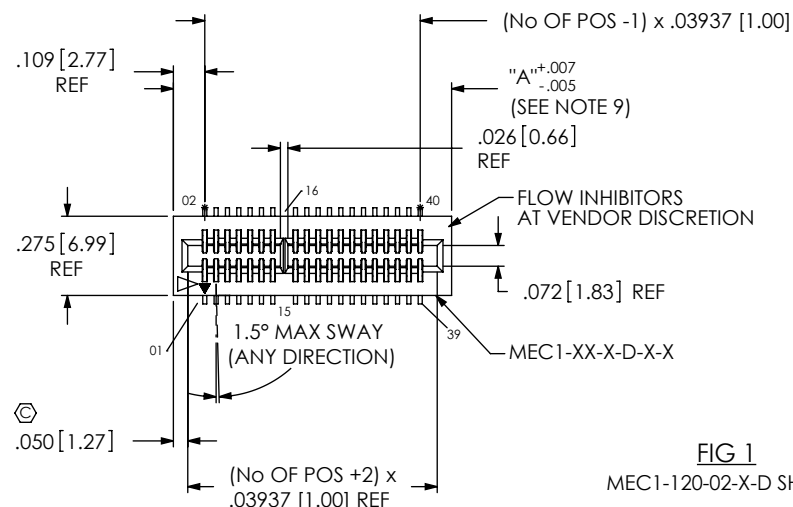
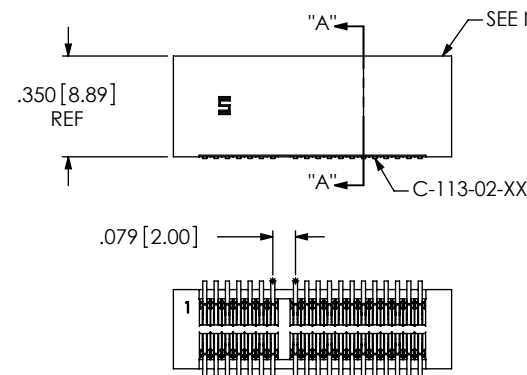


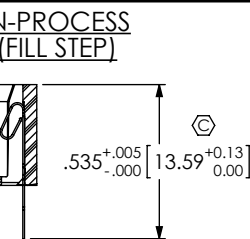
FIG 1
MEC1-120-02-X-D SHOWN



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.



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

OTHER OPTIONS

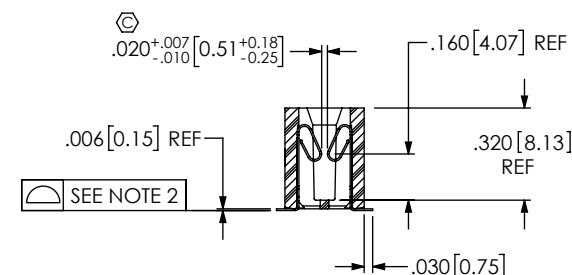
- LC: LOCKING CLIP (SEE NOTE 8)
(SEE FIG 2) (USE LC-05-TM)
- A: ALIGNMENT PIN
(MOLDED, SEE FIG 4, SHT 2)
(USE MEC1-XX-X-D-X-A)
- K: POLYIMIDE FILM PAD
(SEE FIG 6, SHT 2) (USE K-DOT-.310-.406-.005)
- TR: TAPE & REEL PACKAGING
(N/A IN 70 POSITION) (SEE FIG 5, SHT 2)

– POLARIZED OPTION (SEE TABLE 1)

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

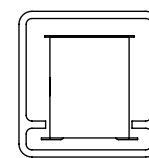
ROW SPECIFICATION

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



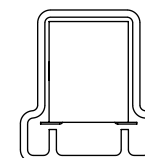
SECTION "A"-"A"

PACKAGING VIEW



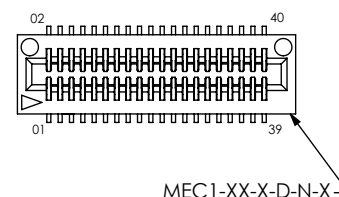
-D-A-K, -D-K

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



NO -K OPTION

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



-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
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.XX: $\pm .01$ [.3]

.XXX: $\pm .005$ [.13]
XXXX: $\pm .0015$ [.01]

XXXXX. ±.0015 [.050]
XXXXXXXX

*	<u>PROPRIETARY NOTE</u>
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MATERIAL: DO NOT SCALE DRAWING

INSULATOR:
VECTRA E130i COLOR: BLACK

CONTACT:
BeCu 190 HM

F:\DWG\MISC\MKTG\MFC1-1XX-XX-XX-D-XX-XX-MKT.SI.DDRW

	DESCRIPTION:
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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 1 OF 2
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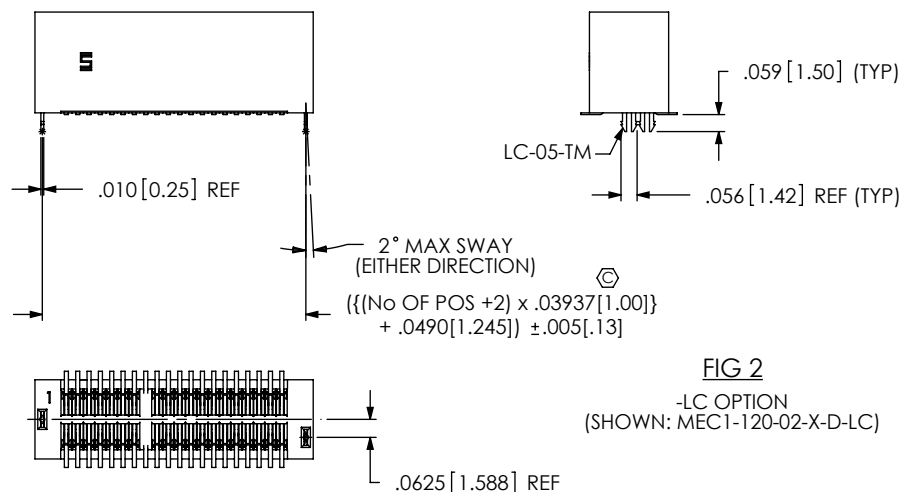


FIG 2
-LC OPTION
(SHOWN: MEC1-120-02-X-D-LC)

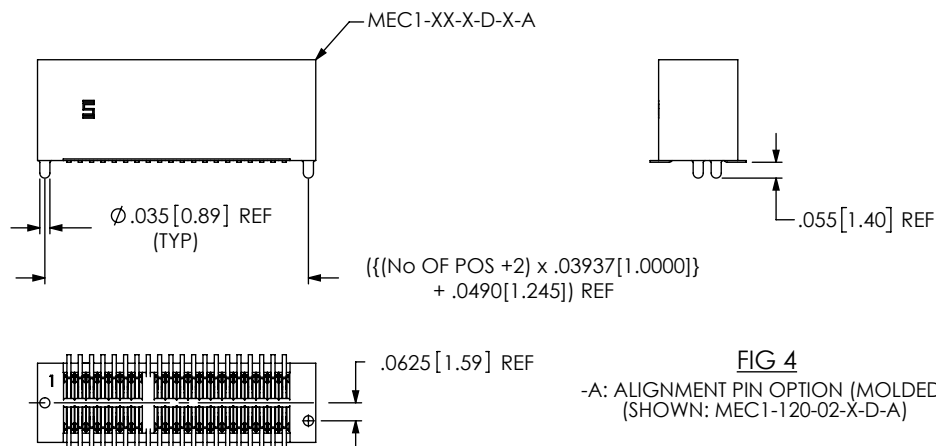


FIG 4
-A: ALIGNMENT PIN OPTION (MOLDED)
(SHOWN: MEC1-120-02-X-D-A)

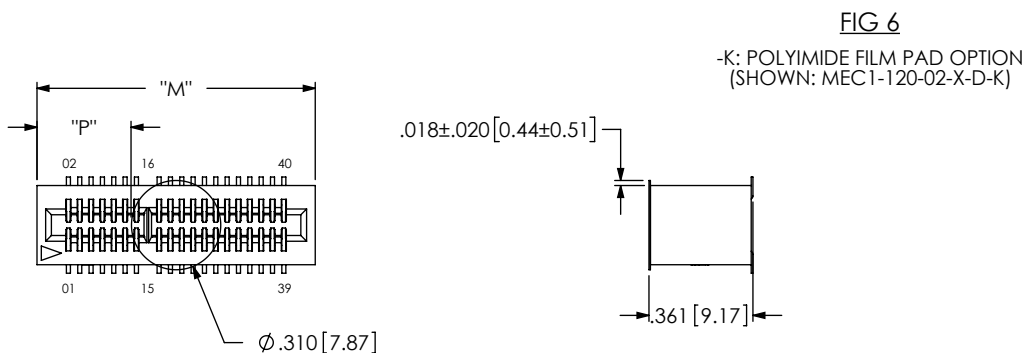
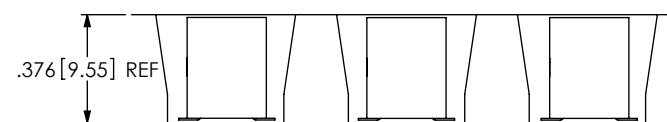
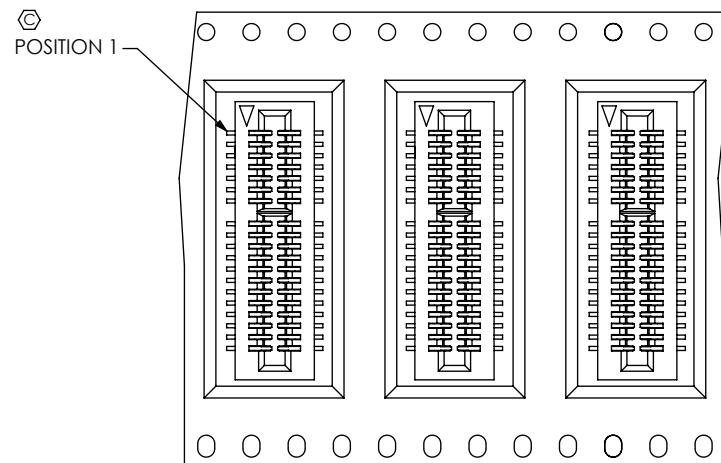


FIG 6
-K: POLYIMIDE FILM PAD OPTION
(SHOWN: MEC1-120-02-X-D-K)

NOTE: "M" = USED MEASURED DIMENSION (REF)
"P" = {("M" - .310 [7.87]) / 2} ± .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

DO NOT SCALE DRAWING SHEET SCALE: 1.5:1	PROPRIETARY NOTE THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.	
	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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Samtec:

[MEC1-110-02-L-D-A-K](#) [MEC1-110-02-L-D-A-K-TR](#) [MEC1-130-02-F-D-NP-A-TR](#) [MEC1-110-02-F-D-LC-K-TR](#) [MEC1-110-02-F-D-NP-A-K-TR](#) [MEC1-110-02-F-D-NP-K-TR](#)