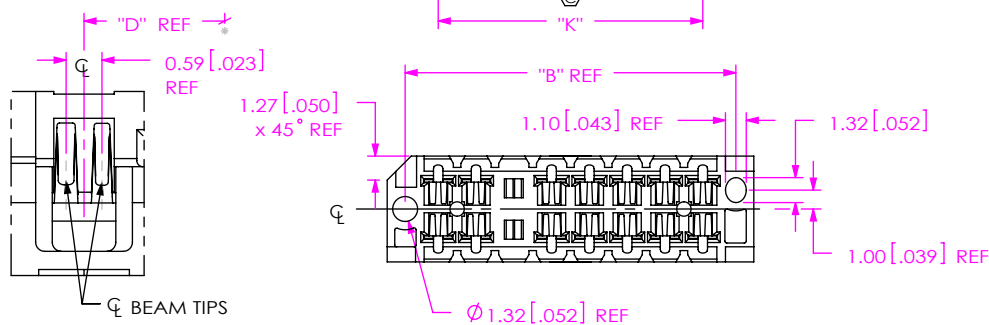
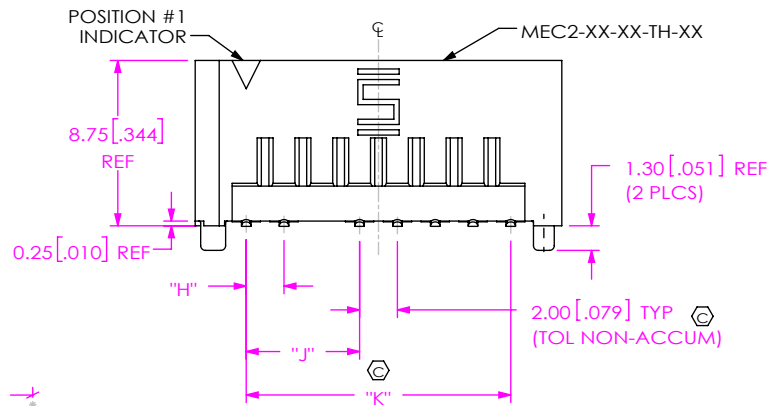
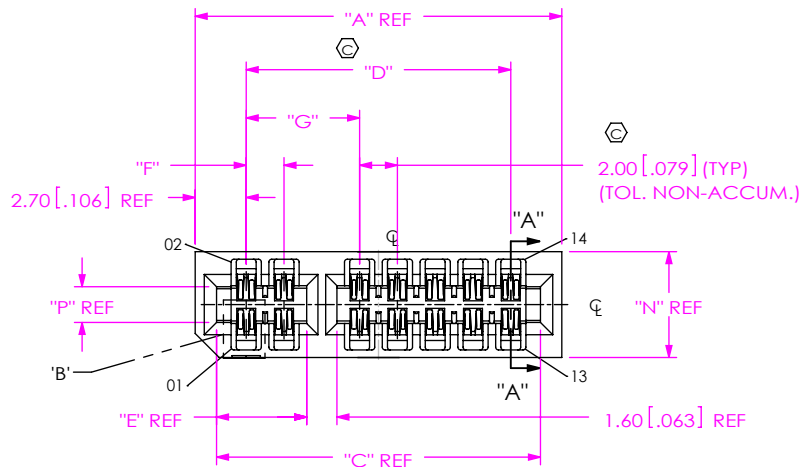


DESIGNED & DIMENSIONED IN MILLIMETERS  
(INCHES FOR REFERENCE ONLY)

MEC2-XX-XX-X-XXX-XX-XX

DO NOT SCALE FROM THIS PRINT



DETAIL 'B'  
SCALE 8 : 1

FIG 1  
(MEC2-08-01-XX-DV-XX SHOWN)

NOTES:

1.  $\odot$  REPRESENTS A CRITICAL DIMENSION.
2. BURR ALLOWANCE: 0.04[.0015] MAX.
3. MINIMUM PUSHOUT FORCE: 2.2 NEWTONS [.50LBS.]
4. ALL TAIL TO TAIL DIMENSIONS MEASURED TIP TO TIP.
5. ASSEMBLIES TO BE PACKAGED IN TUBES, UNLESS -TR IS SPECIFIED.
6. MATING EDGE CARD THICKNESS TOLERANCE NOT TO EXCEED  $\pm 10\%$

No OF POSITIONS (PER ROW)

-05, -08, -20, -30, -40, -50  
(SEE TABLE 2 FOR POSITION REMOVED TO POLARIZE)

CARD THICKNESS

-01: 1.57mm[.062"] THICK  
-02: 2.36mm[.093"] THICK

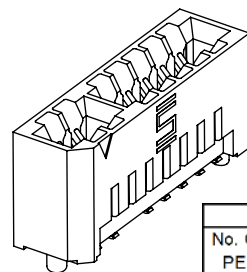
PLATING SPECIFICATION

-L: 10 $\mu$ " LIGHT SELECTIVE GOLD IN CONTACT AREA MATTE TIN ON TAIL

ROW SPECIFICATION

-DV: SURFACE MOUNT  
-TH1: THROUGH HOLE FOR 1.57mm[.062"] THICK BOARD  
\*-TH2: THROUGH HOLE FOR 2.36mm[.093"] THICK BOARD

(\* = NOT TOOLED)



PACKAGING

-K: POLYIMIDE FILM PAD (SEE SHT 2, TABLE 6) AVAILABLE WITH -DV & -TR ONLY  
(-05 THRU -30 POS ONLY)  
-TR: TAPE & REEL (-05 THRU -30 POS ONLY) AVAILABLE WITH -DV ONLY

OPTION

-NP: NON-POLARIZED (-05, -08, -20 & -30 POSITIONS ONLY) (USE MEC2-XX-XX-TH-NP) (SEE FIG 4, SHT 3)  
-WT: WELD TABS (REQUIRED ON -02 CARD THICKNESS) (OPTIONAL ON -01 CARD THICKNESS) (SEE FIG 2, SHT 2)

TABLE 2

No OF POS	POLARIZED POSITIONS
**05	3, 4
**08	5, 6
**20	15, 16
**30	21, 22
**40	31, 32
**50	41, 42

(\*\*=NUMBER OF POSITIONS WILL BE REDUCED BY 1 PER ROW FOR POLARIZATION)

TABLE 1

No OF POS	COPLANARITY
-05 THRU -30	0.102 [ .0040]
-40 & -50	0.152 [ .0060]

TABLE 3

No. OF POS. PER ROW	"A"	"B"	"C"	"D"	"E"
-05	13.40 [ .528]	11.50 [ .453]	11.14 [ .439]	8.00 [ .315]	2.77 [ .109]
-08	19.40 [ .764]	17.50 [ .689]	17.14 [ .675]	14.00 [ .551]	4.77 [ .188]
-20	43.40 [ 1.709]	41.50 [ 1.634]	41.14 [ 1.620]	38.00 [ 1.496]	14.77 [ .581]
-30	63.40 [ 2.496]	61.50 [ 2.421]	61.14 [ 2.407]	58.00 [ 2.283]	20.77 [ .818]
-40	83.40 [ 3.283]	81.50 [ 3.209]	81.14 [ 3.194]	78.00 [ 3.071]	30.77 [ 1.211]
-50	103.40 [ 4.071]	101.50 [ 3.996]	101.14 [ 3.982]	98.00 [ 3.858]	40.77 [ 1.605]
No. OF POS. PER ROW	"F"	"G"	"H"	"J"	"K"
-05	N/A	4.000 [ .1575]	N/A	4.00 [ .157]	8.00 [ .315]
-08	2.000 [ .0787]	6.000 [ .2362]	2.00 [ .079]	6.00 [ .236]	14.00 [ .551]
-20	12.000 [ .4724]	16.000 [ .6299]	12.00 [ .472]	16.00 [ .630]	38.00 [ 1.496]
-30	18.000 [ .7087]	22.000 [ .8661]	18.00 [ .709]	22.00 [ .866]	58.00 [ 2.283]
-40	28.000 [ 1.1024]	32.000 [ 1.2598]	28.00 [ 1.102]	32.00 [ 1.260]	78.00 [ 3.071]
-50	38.000 [ 1.4961]	42.000 [ 1.6535]	38.00 [ 1.496]	42.00 [ 1.654]	98.00 [ 3.858]

TABLE 4

CARD THICKNESS	"N"	"P"	"R"	"S"	"V"
-01 (.062 in)	5.60 [ .220]	1.89 [ .074]	0.55 [ .022]	4.66 [ .183]	3.02 [ .119]
-02 (.093 in)	6.30 [ .248]	2.68 [ .106]	1.34 [ .053]	5.45 [ .215]	3.81 [ .150]

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.

TOLERANCES ARE:

DECIMALS ANGLES  
.X:  $\pm .3$  [.01]  
.XX:  $\pm .13$  [.005]  
.XXX:  $\pm .05$  [.0020]

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**MATERIAL:** DO NOT SCALE DRAWING SHEET SCALE: 1:0.4  
INSULATOR: LCP, UL 94 V0  
COLOR: -01 CARD THICKNESS BLACK, -02 CARD THICKNESS NATURAL  
CONTACT: BeCu ALLOY

**DESCRIPTION:** MEC2 2.0mm EDGE CARD ASSEMBLY  
DWG. NO. MEC2-XX-XX-X-XXX-XX-XX  
BY: KNOWLDEN 2/14/10 SHEET 1 OF 3



520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code: 55322

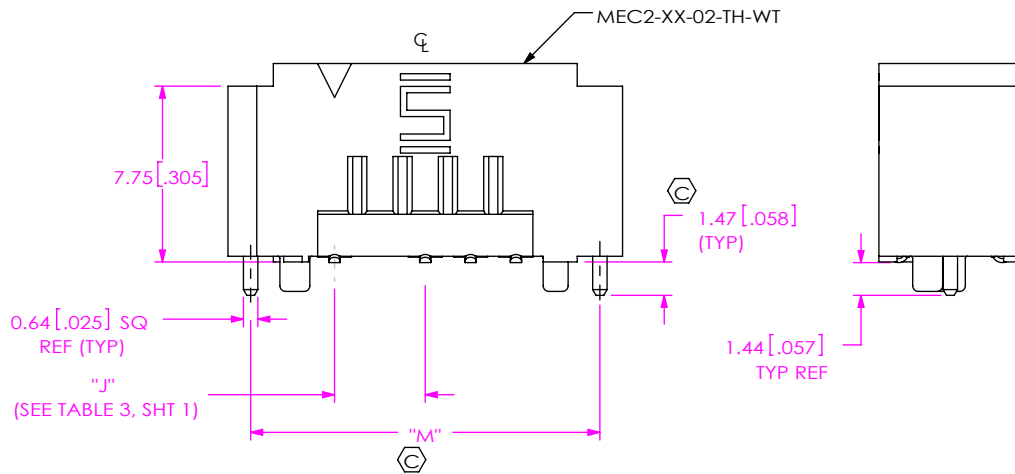
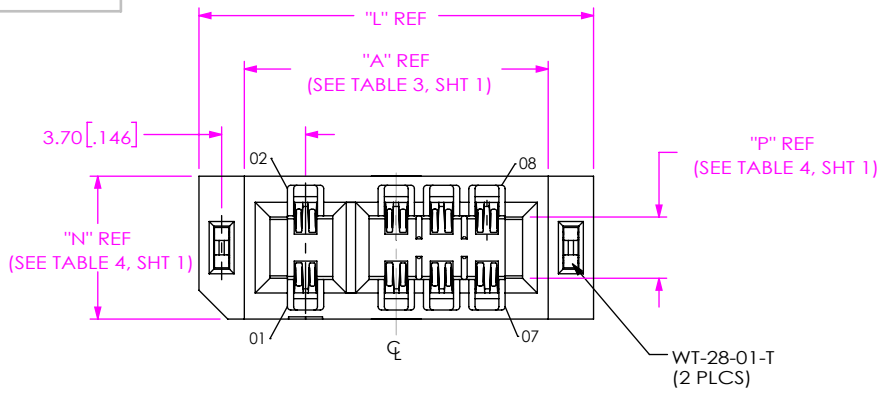
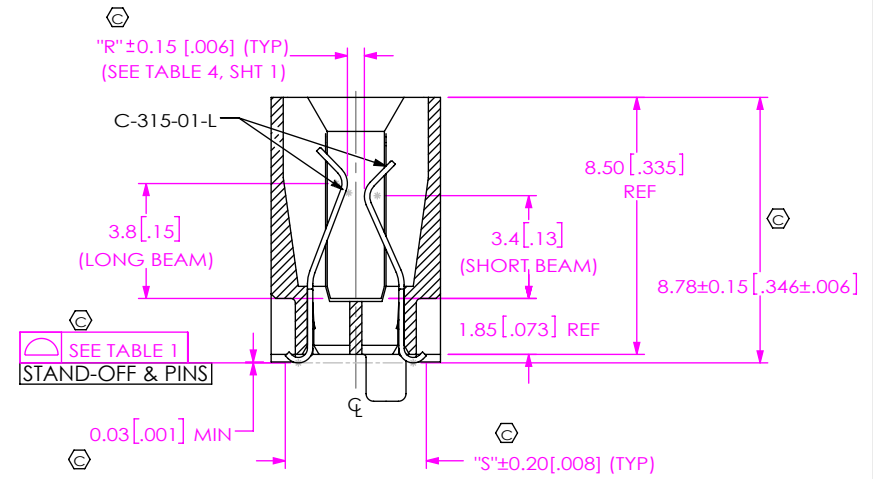


FIG 2

(MEC2-05-02-XX-DV-WT SHOWN)  
(SAME AS FIG. 1, EXCEPT AS SHOWN)



SECTION "A"-"A"  
SCALE 4 : 1

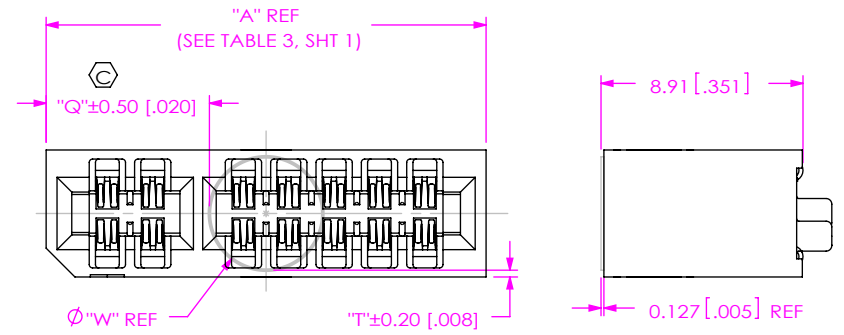


FIG 3

-K OPTION  
(MEC2-08-01-XX-DV-K SHOWN)

TABLE 6

BOARD THICKNESS	W DIA.	"T"	"Q"				KAPTON CALL-OUT
			No OF POSITIONS PER ROW				
			-05	-08	-20	-30	
-01	5.00 [.197]	0.30	4.20 [.165]	7.20 [.283]	19.20 [.756]	29.20 [1.150]	K-DOT-.197-.344-.005
-02	6.00 [.236]	0.15	3.70 [.146]	6.70 [.264]	18.70 [.736]	28.70 [1.130]	K-DOT-.236-.343-.005
-01 WITH -WT	5.00 [.197]	0.30	6.20 [.244]	9.20 [.362]	21.20 [.835]	31.20 [1.228]	K-DOT-.197-.344-.005
-02 WITH -WT	6.00 [.236]	0.15	5.70 [.224]	8.70 [.343]	20.70 [.815]	30.70 [1.209]	K-DOT-.236-.343-.005

No. OF POS. PER ROW	"L"	"M"
-05	17.40 [.685]	15.40 [.606]
-08	23.40 [.921]	21.40 [.843]
-20	47.40 [1.866]	45.40 [1.787]
-30	67.40 [2.654]	65.40 [2.575]
-40	87.40 [3.441]	85.40 [3.362]
-50	107.40 [4.228]	105.40 [4.150]

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DO NOT SCALE DRAWING  
SHEET SCALE: 3:1



520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:  
MEC2 2.0mm EDGE CARD ASSEMBLY  
DWG. NO.  
**MEC2-XX-XX-X-XXX-XX-XX**

BY: KNOWLDEN 2/14/10 SHEET 2 OF 3

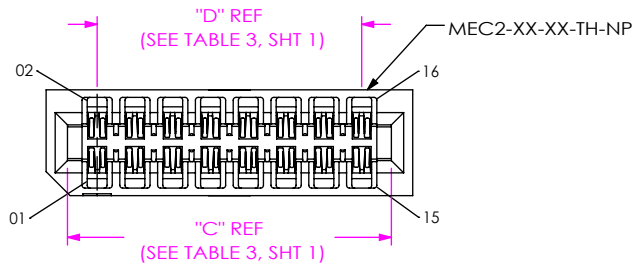


FIG 4

(MEC2-08-01-XX-XXX-NP SHOWN)  
(SAME AS FIG. 1, EXCEPT AS SHOWN)

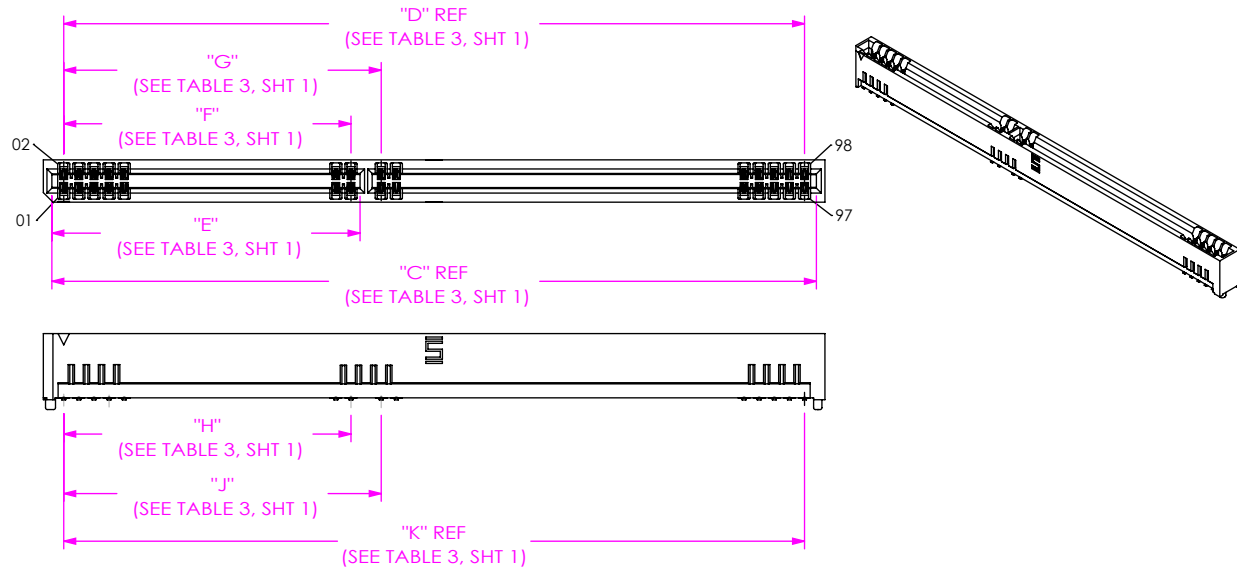


FIG 5

SCALE 1:1

(MEC2-50-01-XX-DV-XX SHOWN)  
(SAME AS FIG 1, EXCEPT AS SHOWN)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)

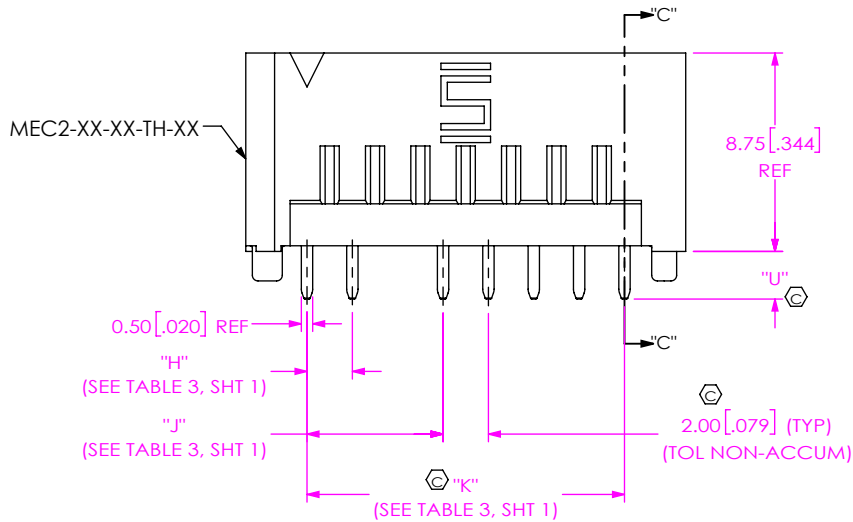
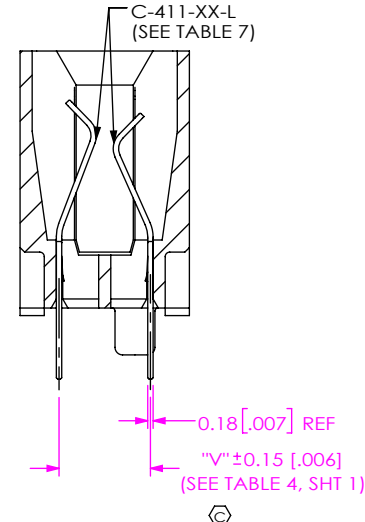
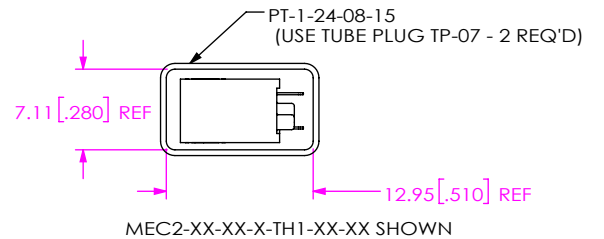
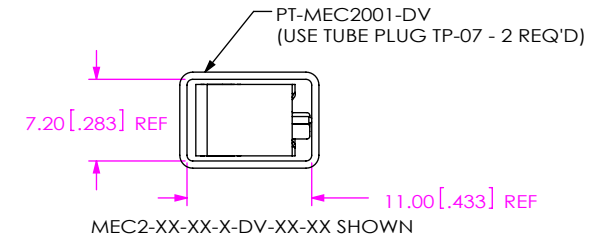


FIG 7  
SCALE 3:1

MEC2-08-01-L-TH1-XX SHOWN  
(SAME AS FIG 1, EXCEPT AS SHOWN)



SECTION "C"-"C"  
SCALE 4:1



PACKAGING VIEW

TABLE 7		
ROW SPECS	"U"	CONTACT
-TH1	2.10 [.083]	C-411-01-L
*-TH2	2.90 [.114]	C-411-02-L

(\* = NOT TOOLED)

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SHEET SCALE: 5:2



520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:  
MEC2 2.0mm EDGE CARD ASSEMBLY

DWG. NO.  
MEC2-XX-XX-X-XXX-XX-XX

BY: KNOWLDEN 2/14/10 SHEET 3 OF 3