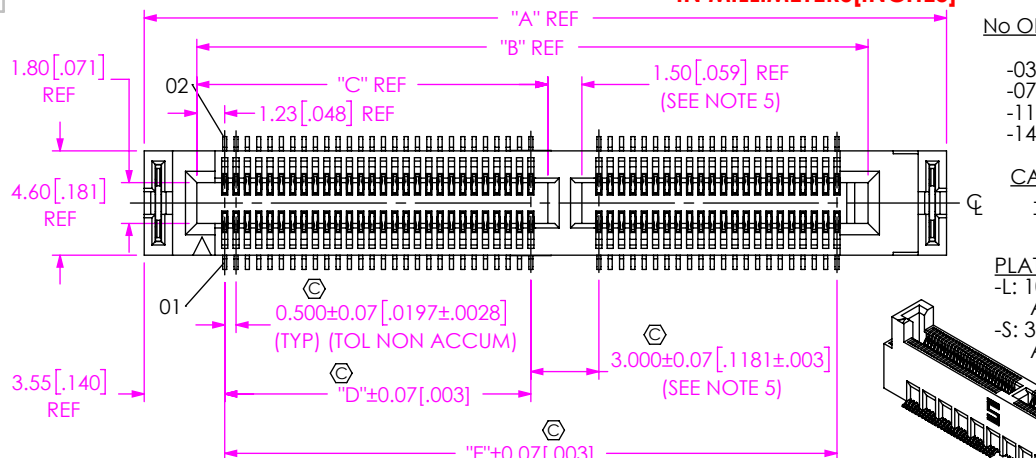


DO NOT SCALE FROM THIS PRINT

DESIGNED & DIMENSIONED IN MILLIMETERS (INCHES)

MEC5-XXX-XX-X-DV-XX-K-XX



No OF POSITIONS (PER ROW)
 -030, -040, -050, -060, -070, -080, -090, -100, -110, -120, 130, -140, -150

CARD THICKNESS
 -01: FOR .062" THICK BOARD

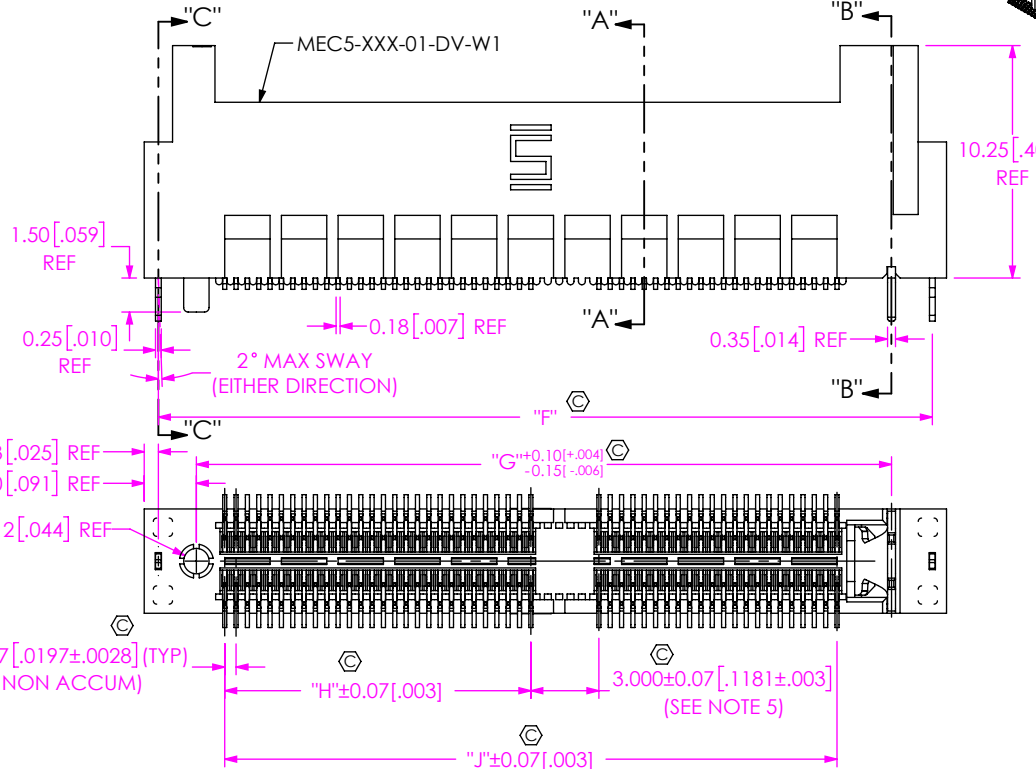
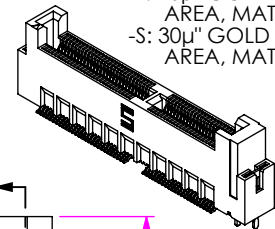
PLATING SPECIFICATION
 -L: 10µ" GOLD IN CONTACT AREA, MATTE TIN TAIL
 -S: 30µ" GOLD IN CONTACT AREA, MATTE TIN TAIL

PACKAGING:
 BLANK: TRAY (SEE NOTES 3 & 7)
 -TR: TAPE & REEL (SEE NOTES 3, 7 & 8)
 (REQUIRED FOR POS: 030~100, UNAVAILABLE FOR POS: 110~150)
 -FR: FULL REEL QTY TAPE & REEL (SEE NOTES 3, 7 & 8)

-K: POLYIMIDE FILM PAD (SEE FIG 2, SHT 2)

OPTION:
 -W1: WELD TAB THROUGH HOLE (SEE FIG 1) (REQUIRED)

ROW SPECIFICATION
 -DV: DOUBLE VERTICAL



NO OF POS	"A"	"B"	"C"	"D"	"E"
-030	22.88 [0.901]	17.10 [0.673]	N/A	N/A	14.500 [0.5709]
-040	27.88 [1.098]	22.10 [0.870]	N/A	N/A	19.500 [0.7677]
-050	35.38 [1.393]	29.60 [1.165]	15.48 [609]	13.500 [5315]	27.000 [1.0630]
-060	40.38 [1.590]	34.60 [1.362]	17.98 [708]	16.000 [6299]	32.000 [1.2598]
-070	45.38 [1.787]	39.60 [1.559]	20.48 [806]	18.500 [7283]	37.000 [1.4567]
-080	50.38 [1.983]	44.60 [1.756]	22.98 [905]	21.000 [8268]	42.000 [1.6535]
-090	55.38 [2.180]	49.60 [1.953]	25.48 [1.003]	23.500 [9252]	47.000 [1.8504]
-100	60.38 [2.377]	54.60 [2.150]	27.98 [1.102]	26.000 [1.0236]	52.000 [2.0472]
-110	65.38 [2.574]	59.60 [2.346]	30.48 [1.200]	28.500 [1.1220]	57.000 [2.2441]
-120	70.38 [2.771]	64.60 [2.543]	32.98 [1.298]	31.000 [1.2205]	62.000 [2.4409]
-130	75.38 [2.968]	69.60 [2.740]	35.48 [1.397]	33.500 [1.3189]	67.000 [2.6378]
-140	80.38 [3.165]	74.60 [2.937]	37.98 [1.495]	36.000 [1.4173]	72.000 [2.8346]
-150	85.38 [3.361]	79.60 [3.134]	40.48 [1.594]	38.500 [1.5157]	77.000 [3.0315]

NO OF POS	"F"	"G"	"H"	"J"
-030	21.63 [0.852]	18.16 [0.715]	N/A	14.500 [0.5709]
-040	26.63 [1.048]	23.16 [0.912]	N/A	19.500 [0.7677]
-050	34.13 [1.344]	30.66 [1.207]	13.500 [5315]	27.000 [1.0630]
-060	39.13 [1.541]	35.66 [1.404]	16.000 [6299]	32.000 [1.2598]
-070	44.13 [1.737]	40.66 [1.601]	18.500 [7283]	37.000 [1.4567]
-080	49.13 [1.934]	45.66 [1.798]	21.000 [8268]	42.000 [1.6535]
-090	54.13 [2.131]	50.66 [1.994]	23.500 [9252]	47.000 [1.8504]
-100	59.13 [2.328]	55.66 [2.191]	26.000 [1.0236]	52.000 [2.0472]
-110	64.13 [2.525]	60.66 [2.388]	28.500 [1.1220]	57.000 [2.2441]
-120	69.13 [2.722]	65.66 [2.585]	31.000 [1.2205]	62.000 [2.4409]
-130	74.13 [2.919]	70.66 [2.782]	33.500 [1.3189]	67.000 [2.6378]
-140	79.13 [3.115]	75.66 [2.979]	36.000 [1.4173]	72.000 [2.8346]
-150	84.13 [3.312]	80.66 [3.176]	38.500 [1.5157]	77.000 [3.0315]

- NOTES:
- ⊕ REPRESENTS A CRITICAL DIMENSION.
 - MINIMUM PUSHOUT FORCE: 0.5 LBS FOR C-400, WT-25; 1.0 LBS FOR C-403.
 - 030~100 POSITIONS PARTS TO BE PACKAGED IN TAPE & REEL, 110~150 POSITIONS PARTS TO BE PACKAGED IN TRAY.
 - MATING CARD MUST HAVE LEAD-IN. SEE SAMTEC FOOTPRINT FOR SPECIFICATIONS.
 - POLARIZATION RIB IS NOT PRESENT ON -030 & -040 POSITIONS.
 - NOTE DELETED.
 - ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
 - ATTACH LABEL TO EACH REEL.

FIG 1
 MEC5-050-01-X-DV-W1-K SHOWN

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. TOLERANCES ARE:
 DECIMALS ANGLES
 X.X: ±0.3 [.01]
 X.XX: ±0.10 [.004]
 X.XXX: ±0.051 [.0020]

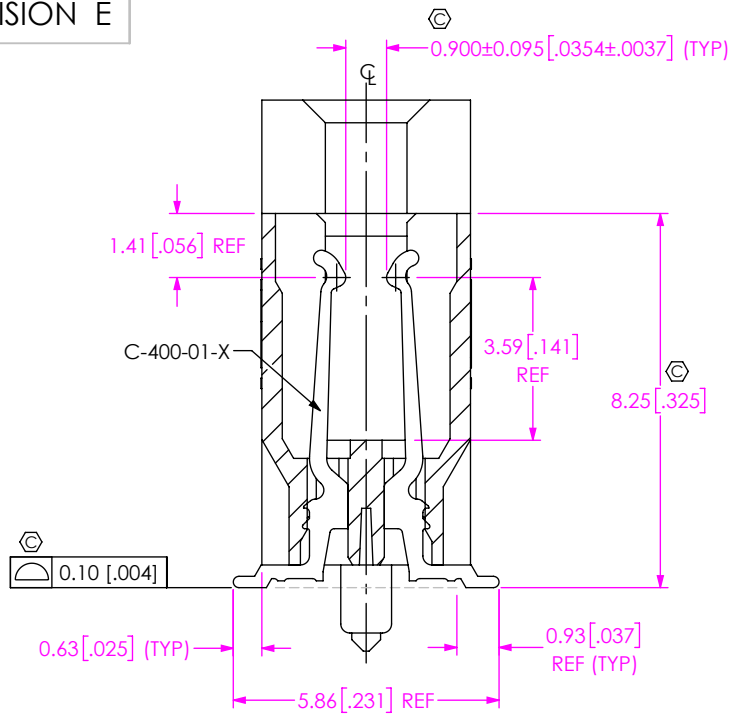
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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 3:1
 INSULATOR: LCP, UL 94 V0, COLOR: BLACK
 CONTACT: CU ALLOY
 WELD TAB: BRASS ALLOY

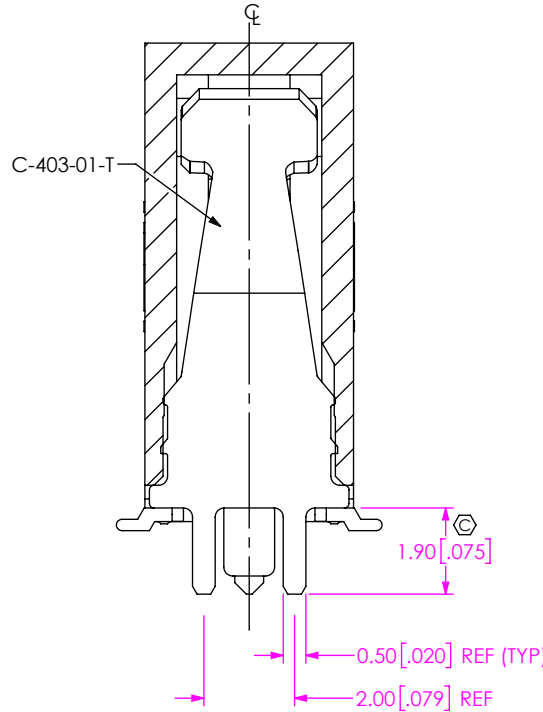


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 e-Mail: info@SAMTEC.com code 53322

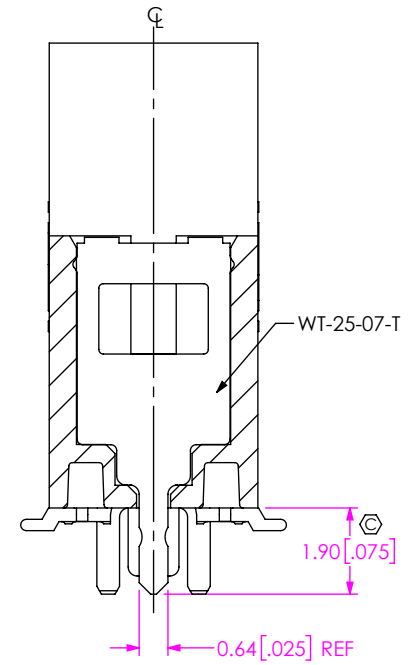
DESCRIPTION:
 0.5mm HIGH SPEED EDGE CARD ASSEMBLY
 DWG. NO.
MEC5-XXX-XX-X-DV-XX-K-XX
 BY: JESSIE W 5/29/2015 SHEET 1 OF 3



SECTION "A"-"A"
SCALE 6 : 1



SECTION "B"-"B"
SCALE 6 : 1



SECTION "C"-"C"
SCALE 6 : 1

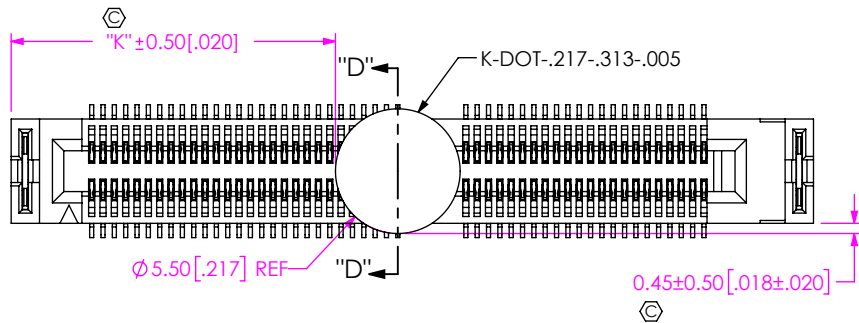
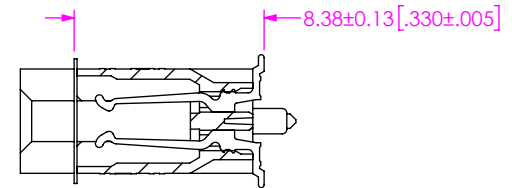


FIG 2
MEC5-050-01-X-DV-W1-K SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



SECTION "D"-"D"

TABLE 2	
NO OF POS	"K"
-030	8.05 [0.317]
-040	10.55 [0.415]
-050	14.30 [0.563]
-060	16.80 [0.661]
-070	19.30 [0.760]
-080	21.80 [0.858]
-090	24.30 [0.957]
-100	26.80 [1.055]
-110	29.30 [1.154]
-120	31.80 [1.252]
-130	34.30 [1.350]
-140	36.80 [1.449]
-150	39.30 [1.547]

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SHEET SCALE: 3:1

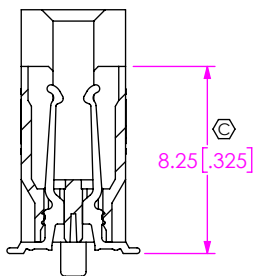


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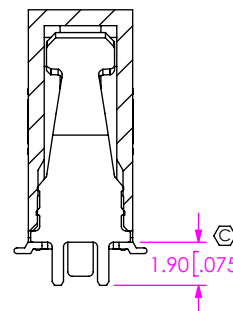
DESCRIPTION:
0.5mm HIGH SPEED EDGE CARD ASSEMBLY

DWG. NO.
MEC5-XXX-XX-X-DV-XX-K-XX

BY: JESSIE W 5/29/2015 SHEET 2 OF 3



IN-PROCESS 1
CUT COMB/ FILL C-400-01-X
& BREAK OFF



IN-PROCESS 2
FILL C-403-01-T & BREAK OFF

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DO NOT SCALE DRAWING

SHEET SCALE: 3:1

DESCRIPTION:
 0.5mm HIGH SPEED EDGE CARD ASSEMBLY

DWG. NO.
MEC5-XXX-XX-X-DV-XX-K-XX

BY: JESSIE W 5/29/2015 SHEET 3 OF 3