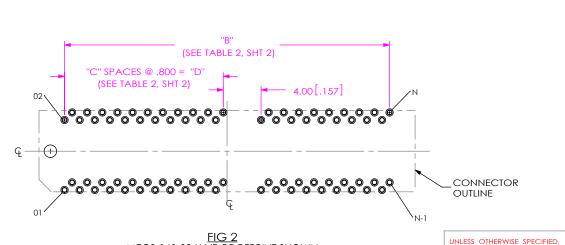
REVISION D RECOMMENDED PCB LAYOUT FOR MEC8-1XX-XX-X-VXX 2015/10/7 | ECN-260261 "A" REF **DESIGNED & DIMENSIONED** (SEE TABLE 2, SHT 2) Ø0.46±0.05[.018±.002] IN MILLIMETERS[INCHES] (SEE NOTE 1) $\phi_{0.572}[.0225]$ (SEE TABLE 2, SHT 2) (DRILLED HOLE) −Ø0.787[.0310] 1.50 [.059] 0.80 [.031] (TYP) CONNECTOR OUTLINE G 8.60 .339 REF 8.20 [.323] 6.60 [.260] (SEE NOTE 1) 0.032±0.008 [.001±.000] 0.0254 [.00100] MIN (SEE TABLE 1) 0.0635 [.00250] MAX **ELECTRO-DEPOSITED** COPPER SECTION "A"-"A"

TABLE 1 Sn uin (um) Ni uin (um) Au uin (um) **ENIG** 100 - 200 (2.50 - 5.00) 2 - 8 (0.05 - 0.20)NA NA HASL/Immersion NA NA NA 100 - 800 (2.50 - 20.00) NA



MEC8-140-02-X-VP-FOOTPRINT SHOWN

(DIFFERENT AS SHOWN, OTHERWIS SAME AS FIG 1) (FOR POSITIONS -40, *-45, *-50, *-60 & *-70)

MEC8-110-02-X-VP-FOOTPRINT SHOWN (FOR POSITIONS -10, -20, -30 & *-35)

Ø1.33±0.075[.052±.003]

NPTH

NOTES:

1. CONNECTOR ENVELOPE DIMENSIONS. OTHER COMPONENTS PLACED ON PCB SHALL AVOID THIS ZONE.

SCALE 20:1

- 2. ALL DIMENSIONS ARE SYMMETRIC ABOUT THE CENTERLINE.
- 3. CONTACT SAMTEC FOR CONNECTOR PRESS FIT INSTRUCTIONS AND REQUIRED FIXTURES.

PROPRIETARY NOTE DIMENSIONS ARE IN MILLIMETERS. THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, TOLERANCES ARE: MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, **DECIMALS ANGLES** INC. THIS DOCUMENT SHALL NOT BE DISCLOSED. IN WHOLE X.X: ±0.3 [.01] X.XX: ±0.13 [.005] F:\dwg\misc\mktg\footpmt\MEC8-1XX-XX-YXX-FOOTPRINT.SLDDRW X.XXX: ±0.051 [.0020] ±5° 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.



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RECOMMENDED PCB LAYOUT FOR MEC8-1XX-XX-X-VXX

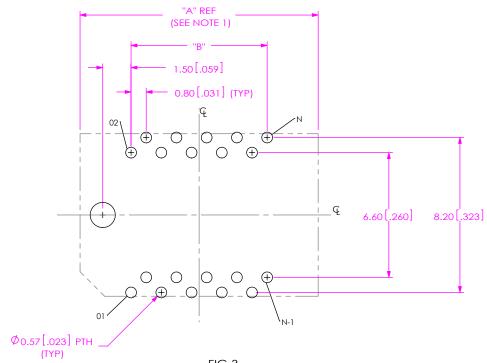


		TABLE 2		
No OF POS	"A"	"B"	"C"	"D"
-10	12.60 [0.496]	7.20 [0.283]	N/A	N/A
-20	20.60 [0.811]	15.20 [0.598]	N/A	N/A
-30	28.60 [1.126]	23.20 [0.913]	N/A	N/A
*-35	32.60 [1.283]	27.20 [1.071]	N/A	N/A
-40	39.80 [1.567]	34.40 [1.354]	21	16.80 [0.661]
*-45	43.80 [1.724]	38.40 [1.512]	23	18.40 [0.724]
*-50	47.80 [1.882]	42.40 [1.669]	26	20.80 [0.819]
*-60	55.80 [2.197]	50.40 [1.984]	31	24.80 [0.976]
*-70	63.80 [2.512]	58.40 [2.299]	36	28.80 [1.134]
(* = NOT TO	OLED)			

(* = NOT TOOLED)

FIG 3 MEC8-110-02-X-VTX-FOOTPRINT SHOWN (DIFFERENT AS SHOWN, OTHERWIS SAME AS FIG 1) (FOR POSITIONS -10, -20, -30 & *-35) (NOT TOOLED)

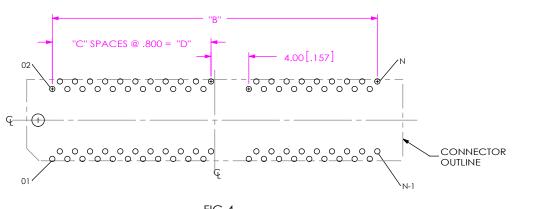


FIG 4 MEC8-140-02-X-VTX-FOOTPRINT SHOWN (DIFFERENT AS SHOWN, OTHERWIS SAME AS FIG 3) (FOR POSITIONS -40, *-45, *-50, *-60 & *-70) (NOT TOOLED)

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NOTES:

1. STENCIL TO BE 0.15[.006] THICK.

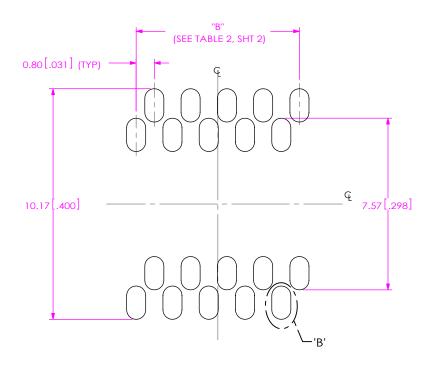
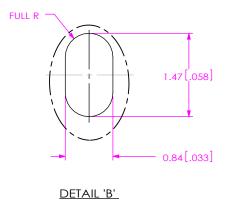


FIG 5

MEC8-110-02-X-VT1-STENCIL SHOWN
(DIFFERENT AS SHOWN, OTHERWIS SAME AS FIG 3)
(FOR POSITIONS -10, -20, -30 & *-35)
(NOT TOOLED)



SCALE 15:1

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RECOMMENDED MATING CARD LAYOUT FOR MEC8-1XX-XX-X-VXX

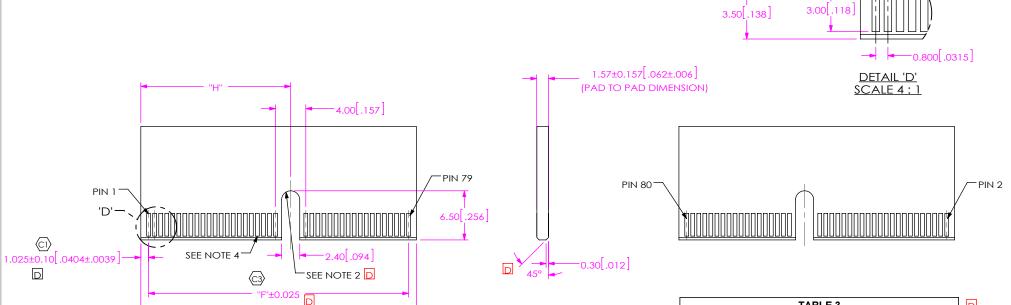
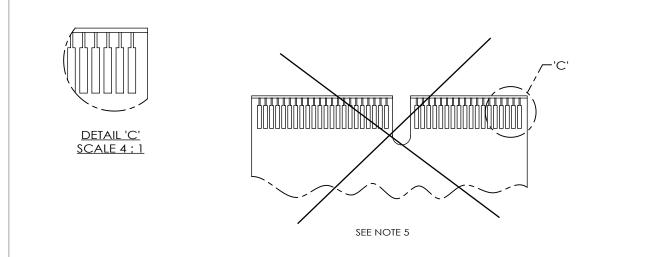


FIG 6 MEC8-140-02-X-XXX-MATING CARD SHOWN (FOR POSITIONS -40, *-45, *-50, *-60 & *-70)



F:\dwg\misc\mktg\footprnt\MEC8-1XX-XX-X-VXX-FOOTPRINT.SLDDRW

TABLE 3				
No OF POS	"E"	"F"	"H"	
-10	9.26 [0.365]	7.200 [0.2835]	N/A	
-20	17.26 [0.680]	15.200 [0.5984]	N/A	
-30	25.26 [0.994]	23.200 [0.9134]	N/A	
*-35	29.26 [1.152]	27.200 [1.0709]	N/A	
-40	36.45 [1.435]	34.400 [1.3543]	19.83 [0.781]	
*-45	40.45 [1.593]	38.400 [1.5118]	21.43 [0.844]	
*-50	44.45 [1.750]	42.400 [1.6693]	23.83 [0.938]	
*-60	52.45 [2.065]	50.400 [1.9843]	27.83 [1.096]	
*-70	60.45 [2.380]	58.400 [2.2992]	31.83 [1.253]	

(* = NOT TOOLED)

NOTES:

- 1. © REPRESENTS CRITICAL DIMENSION. 2. -10, -20, -30 AND *-35 CARDS HAVE NO SLOT.
- 3. ALL DIMENSIONS ARE SYMMETRIC ABOUT THE CENTERLINE.
- 4. PLATING TO BE .000030 INCHES GOLD WITH A HARDNESS OF 130-200 KNOOP PER ASTM B 488 TYPE 2, GRADE C.
- 5. FOR PROPER CONTACT REGISTRATION, PLATING BUS TIE TO BE THE WIDTH OF THE EDGE FINGER.

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MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTED 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.



-0.50[.020]

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