REVISION D

### RECOMMENDED PCB LAYOUT FOR MECF-XX-XX-XX-DV-XX-XX

3/15/2016 ECN-282288

# **DESIGNED & DIMENSIONED IN INCHES [MILLIMETERS]**

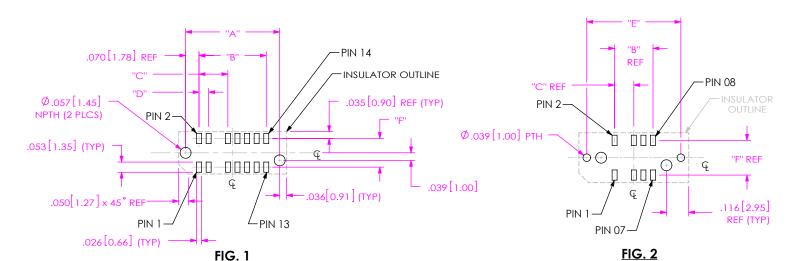
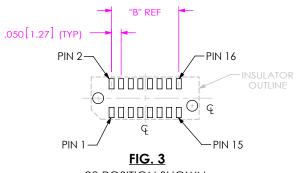


TABLE 2				
CARD "F"				
THICKNESS				
-01 (.062 in)	0.150	[3.81]		
-02 (.093 in)	0.181	[4.60]		

TABLE 3					
No OF POS	POLARIZED POSITIONS	"N"			
**-05	3, 4	2			
**-08	5, 6	2			
**-20	15, 16	2			
**-30	21, 22	2			
**-40	31, 32	2			
**-50	41, 42	2			
* **-60	31, 32 & 63, 64	4			
* **-70	53, 54 & 115, 116	4			

(\* = NOT TOOLED)

(\*\* = TOTAL NUMBER OF POSITIONS WILL BE REDUCED BY "N" FOR POLARIZATION)



-08 POSITION SHOWN

-08 POSITION SHOWN
(NON-POLARIZED)
(SAME AS FIG. 1, EXCEPT AS SHOWN)
(NOT TOOLED)

-05 POSITION WITH -WT OPTION SHOWN

(SAME AS FIG. 1, EXCEPT AS SHOWN)

-70 POSITION SHOWN (SAME AS FIG. 1, EXCEPT AS SHOWN) (NOT TOOLED)

ALL DIMENSIONS ARE SYMMETRIC ABOUT THE CENTERLINE.

TABLE 1										
No. OF POS. PER ROW	"	'A" "B"		"C"		"D"		"E"		
-05	0.340	[8.64]	0.200	[5.08]	0.100	[2.54]	N/A	N/A	0.490	[12.45]
-08	0.490	[12.45]	0.350	[8.89]	0.150	[3.81]	0.050	[1.27]	0.640	[16.26]
-20	1.090	[27.69]	0.950	[24.13]	0.400	[10.16]	0.300	[7.62]	1.240	[31.50]
-30	1.590	[40.39]	1.450	[36.83]	0.550	[13.97]	0.450	[11.43]	1.740	[44.20]
-40	2.090	[53.09]	1.950	[49.53]	0.800	[20.32]	0.700	[17.78]	2.240	[56.90]
-50	2.590	[65.79]	2.450	[62.23]	1.050	[26.67]	0.950	[24.13]	2.740	[69.60]
*-60	3.090	[78.49]	2.950	[74.93]	0.800	[20.32]	0.700	[17.78]	3.240	[82.30]
*-70	3.590	[91.19]	3.450	[87.63]	1.350	[34.29]	1.250	[31.75]	3.740	[95.00]
(* = NOT TOOLED)										

TABLE 4					
No. OF POS. PER ROW	"	G"	"H"		
*-60	1.600	[40.64]	1.500	[38.10]	
*-70	2.900	[73.66]	2.800	[71.12]	
(* = NOT TOOLED)					

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:
DECIMALS ANGLES
.XX: ±.01[.3] ±5°
.XXX: ±.005[.13]

.XXXX: ±.0020[.051]



520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail info@SAMTEC.com code 55322 NOTE: STENCIL TO BE .0060[0.152] THICK.

## **DESIGNED & DIMENSIONED IN INCHES [MILLIMETERS]**

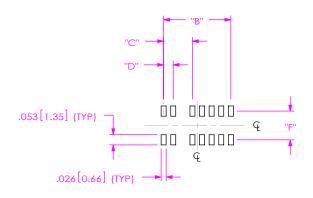


FIG. 1
-08 POSITION SHOWN

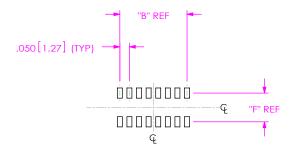


FIG. 3

-08 POSITION SHOWN
(NON-POLARIZED)
(SAME AS FIG. 1, EXCEPT AS SHOWN)
(NOT TOOLED)

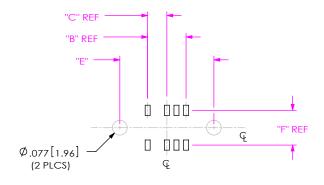


FIG. 2

-05 POSITION WITH -WT OPTION SHOWN
(SAME AS FIG. 1, EXCEPT AS SHOWN)

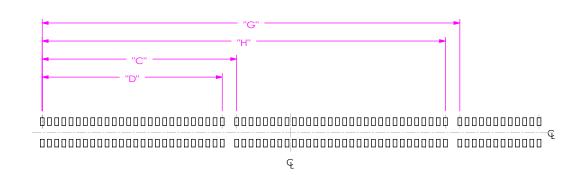


FIG. 4

-70 POSITION SHOWN
[SAME AS FIG. 1, EXCEPT AS SHOWN]
[NOT TOOLED]

ALL DIMENSIONS ARE SYMMETRIC ABOUT THE CENTERLINE.

PROPRIETARY NOTE

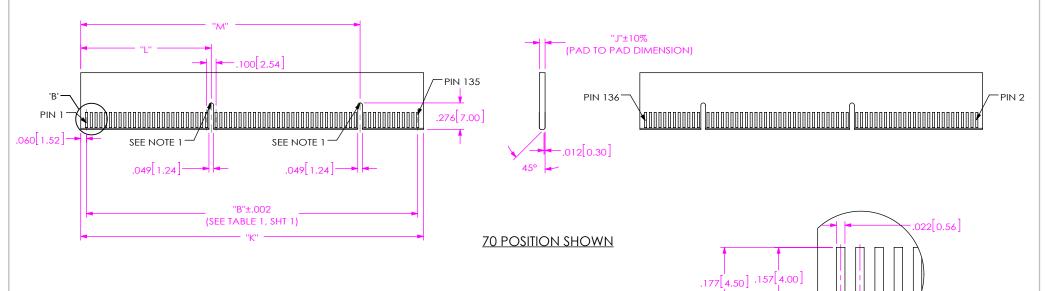
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### REVISION D

### RECOMMENDED MATING CARD LAYOUT FOR MECF-XX-XX-XX-DV-XX-XX

## **DESIGNED & DIMENSIONED IN INCHES [MILLIMETERS]**







D	TABLE 6						
	No. OF POS. PER ROW	"K"	"L"	"M"			
	-05	.319 [8.10]	.110 [2.79]	N/A			
	-08	.469 [11.91]	.160 [4.06]	N/A			
	-20	1.069 [27.15]	.410 [10.41]	N/A			
	-30	1.569 [39.85]	.560 [14.22]	N/A			
	-40	2.069 [52.55]	.810 [20.57]	N/A			
	-50	2.569 [65.25]	1.060 [26.92]	N/A			
	*-60	3.069 [77.95]	.810 [20.57]	1.610 [40.89]			
	*-70	3.569 [90.65]	1.360 [34.54]	2.910 [73.91]			

TABLE 5					
CARD	", ן"				
THICKNESS	J				
-01 (.062 in)	1.57 [.062]				
-02 (.093 in)	2.36 [.093]				

#### NOTES

1. -NP OPTION HAS NO SLOT AND WILL HAVE PADS IN THESE LOCATIONS.

DETAIL 'B' SCALE 4 : 1

- 2. ALL DIMENSIONS ARE SYMMETRIC ABOUT THE CENTERLINE.
- 3. PLATING TO BE .000030 INCHES GOLD WITH A HARDNESS OF 130-200 KNOOP PER ASTM B 488 TYPE 2, GRADE C.
- 4. NOTE DELETED.
- 5. FOR PROPER CONTACT REGISTRATION, PLATING BUS TIES TO BE THE WIDTH OF THE EDGE FINGER.

PROPRIETARY NOTE

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(\* = NOT TOOLED)