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NOTES: UNLESS OTHERWISE SPECIFIED.

1. FABRICATE PER IPC-6012A CLASS 2.

DIELECTRIC: FR4\_ITEQ ITI686.

COPPER: AS PER STACKUP.

U.L. RATING: 94V-0 MINIMUM

3. SURFACE FINISH: ENIG

4. SOLDER MASK MATERIAL SHALL MEET ALL THE REQUIREMENTS OF

IPC-SM-840C AND SHALL BE GREEN IN COLOR AND APPLIED OVER BARE COPPER.

5. SILK SCREEN LEGEND TO BE APPLIED PER LAYER STACKUP USING WHITE

NON-CONDUCTIVE EPOXY INK.

6. 100% CONTINUITY TESTING USING DATABASE NETLIST SHALL BE PERFORMED,

VENDOR TO IDENTIFY TEST PASSED IN SECONDARY SIDE.

7. VENDOR TO MARK DATE CODE AND LOGO IN ETCH OR IN LEGEND.

8. BOW AND TWIST SHALL NOT EXCEED 0.7% OF LONGEST SIDE.

9. DIELECTRICS AND LINEWIDTHS MAY BE ADJUSTED TO MEET THE IMPEDANCE

REQUIREMENTS.

10. MINIMUM CONDUCTOR WIDTH: 4.0 MILS

MINIMUM SPACING: 3.8 MILS

11. THE PCB EDGE NEAR AMC CONNECTOR EDGE SHOULD BE AS SHOWN IN THE BELOW FIG.

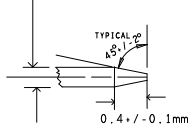
12. THE ALL DIMENSIONS ARE IN "MM [INCHES]".

## SCORE DETAIL

SCALE: NONE

63.036Mil [1.60MM]

PCB THICKNESS



## LAYER STACK-UP

-----	PRIMARY SIDE, SILK SCREEN	- 2 MILS
-----	PRIMARY SIDE, SOLDER MASK	- 1.794 MILS
-----	PRIMARY SIDE, LAYER 1	- 3.596 MILS
-----	DIELECTRIC	- 1.26 MILS
-----	GROUND LAYER, LAYER 2	- 4 MILS
-----	DIELECTRIC	- 1.26 MILS
-----	INNER LAYER, LAYER 3	- 5.014 MILS
-----	DIELECTRIC	- 1.26 MILS
-----	POWER LAYER, LAYER 4	- 5 MILS
-----	DIELECTRIC	- 1.26 MILS
-----	INNER LAYER, LAYER 5	- 3.814 MILS
-----	DIELECTRIC	- 1.26 MILS
-----	GROUND LAYER, LAYER 6	- 4 MILS
-----	DIELECTRIC	- 1.26 MILS
-----	GROUND LAYER, LAYER 7	- 3.814 MILS
-----	DIELECTRIC	- 1.26 MILS
-----	INNER LAYER, LAYER 8	- 5 MILS
-----	POWER LAYER, LAYER 9	- 5.014 MILS
-----	DIELECTRIC	- 1.26 MILS
-----	INNER LAYER, LAYER 10	- 4 MILS
-----	DIELECTRIC	- 1.26 MILS
-----	GROUND LAYER, LAYER 11	- 3.596 MILS
-----	DIELECTRIC	- 1.794 MILS
-----	SECONDARY SIDE, LAYER 12	- 2 MILS
-----	SECONDARY SIDE, SOLDER MASK	- 1.794 MILS
-----	SECONDARY SIDE, SILK SCREEN	- 2 MILS

63.036 MILS +/-10%

## SINGLE ENDED

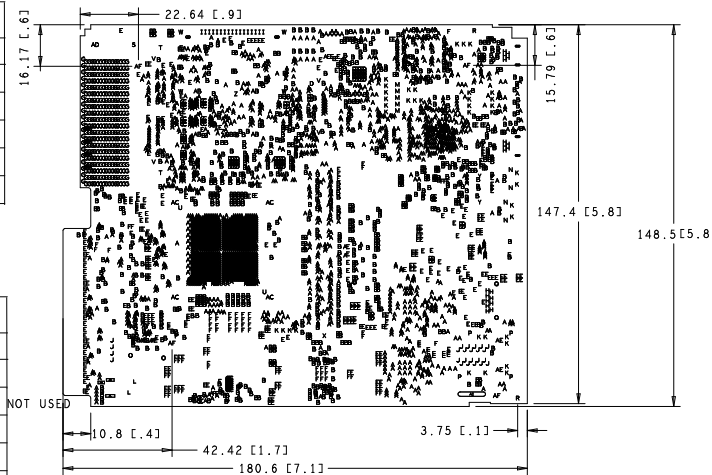
LAYER NO.	CONDUCTOR WIDTH	REFERENCE LAYER	IMPEDANCE +/-10%
L01_TOP	6 MILS	L02_GND1	50 OHMS
L03_SIG1	4 MILS	L02_GND1	50 OHMS
L05_SIG2	4.2 MILS	L06_GND2	50 OHMS
L08_SIG3	4.2 MILS	L07_GND3	50 OHMS
L10_SIG4	4.2 MILS	L11_GND4	50 OHMS
L12_BOT	6 MILS	L11_GND4	50 OHMS

## DIFFERENTIAL 100E

LAYER NO.	CONDUCTOR WIDTH	SPACING	REFERENCE LAYER	IMPEDANCE +/-10%
L01_TOP	4 MILS	6 MILS	L02_GND1	100 OHMS
L03_SIG1	4 MILS	7.5 MILS	L02_GND1	100 OHMS
L05_SIG2	4 MILS	7.5 MILS	L06_GND2	100 OHMS
L08_SIG3	4 MILS	7.5 MILS	L07_GND3	100 OHMS
L10_SIG4	4 MILS	7.5 MILS	L11_GND4	100 OHMS
L12_BOT	4 MILS	6 MILS	L11_GND4	100 OHMS

## DIFFERENTIAL 90E

LAYER NO.	CONDUCTOR WIDTH	SPACING	REFERENCE LAYER	IMPEDANCE +/-10%
L01_TOP	4.5 MILS	4.5 MILS	L02_GND1	90 OHMS
L03_SIG1	4 MILS	4.5 MILS	L02_GND1	90 OHMS
L10_SIG4	4 MILS	4.5 MILS	L11_GND4	90 OHMS
L12_BOT	4.5 MILS	4.5 MILS	L11_GND4	90 OHMS



NOT USED

NOT USED

COMPANY NAME: eINFOCHIPS LIMITED
DATE: 04-03-2014 JOB NUMBER: INF4982B
DESIGNED AT: eINFOCHIPS LIMITED
PART NO/CARD REF: K2E EVM CARD REV: 02
FILM LAYER: FABRICATION LAYER

18 MIL DRILLS ARE FOR PRESS FIT CONNECTOR WITH +/- 0 MILS TOLERANCES

DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
A	8.0	+3.0/-3.0	PLATED	2617
B	10.0	+3.0/-3.0	PLATED	927
C	11.81	+3.0/-3.0	PLATED	55
D	12.0	+3.0/-3.0	PLATED	89
E	14.0	+3.0/-3.0	PLATED	314
F	16.0	+3.0/-3.0	PLATED	126
G	18.0	+0.0/-0.0	PLATED	320
H	28.0	+3.0/-3.0	PLATED	19
I	32.0	+3.0/-3.0	PLATED	17
J	35.43	+3.0/-3.0	PLATED	24
K	40.0	+3.0/-3.0	PLATED	39
L	42.0	+3.0/-3.0	PLATED	2
M	45.0	+3.0/-3.0	PLATED	5
N	51.0	+3.0/-3.0	PLATED	4
O	53.0	+3.0/-3.0	PLATED	2
P	61.81	+3.0/-3.0	PLATED	4
Q	91.0	+3.0/-3.0	PLATED	2
R	106.0	+3.0/-3.0	PLATED	2
S	125.0	+3.0/-3.0	PLATED	1
T	156.0	+3.0/-3.0	PLATED	2
U	26.0	+2.0/-2.0	NON-PLATED	2
V	40.0	+2.0/-2.0	NON-PLATED	4
W	42.0	+2.0/-2.0	NON-PLATED	4
X	43.0	+2.0/-2.0	NON-PLATED	1
Y	47.0	+2.0/-2.0	NON-PLATED	2
Z	51.0	+2.0/-2.0	NON-PLATED	2
AA	63.0	+2.0/-2.0	NON-PLATED	1
AB	89.0	+2.0/-2.0	NON-PLATED	4
AC	92.52	+2.0/-0.0	NON-PLATED	4
AD	125.0	+2.0/-2.0	NON-PLATED	1
AE	127.95	+2.0/-2.0	NON-PLATED	2
AF	138.0	+2.0/-2.0	NON-PLATED	4
AG	75.0x28.0	+3.0/-3.0	PLATED	4
AH	75.0x38.0	+3.0/-3.0	PLATED	2
AI	98.43x39.37	+3.0/-3.0	PLATED	1
AJ	118.11x39.37	+3.0/-3.0	PLATED	1
AK	137.8x39.37	+3.0/-3.0	PLATED	1
AL	421.0x67.0	+2.0/-2.0	NON-PLATED	1



CAUTION

SENSITIVE ELECTRONIC DEVICES-CLASS 1

UNLESS OTHERWISE SPECIFIED INCHES <input type="checkbox"/> MILLIMETERS <input checked="" type="checkbox"/>		eINFOCHIPS LIMITED	
DRAWING TITLE FABRICATION DRAWING TMDXEVM66AK2E		REV 02	
DATE 04-03-2014		SIZE D TMDXEVM66AK2E	
SCALE 1/1		SHEET 1 OF 1	

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CAD

DATA

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DO NOT MANUALLY UPDATE