

D

C

B

A

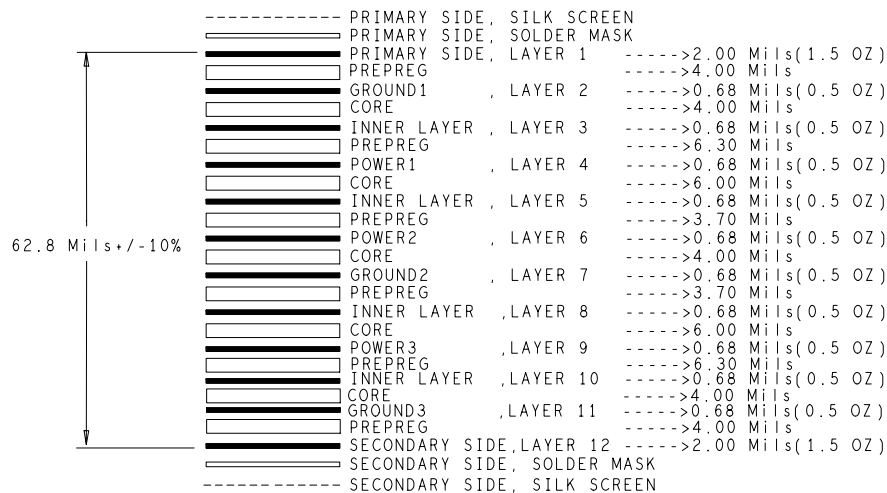
D

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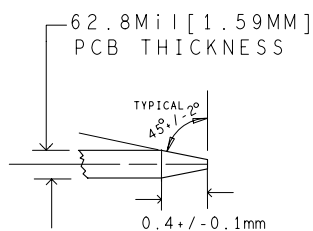
12-LAYER STACK BUILD



NOTES: UNLESS OTHERWISE SPECIFIED.
1. FABRICATE PER IPC-6012A CLASS 2.

- DIELECTRIC: FR4 PER IPC-4101.
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: 4MIL
MINIMUM SPACING: 4.49MIL
11. DO NOT ALTER THE SOLDERMASK SIZE FOR COMPONENTS U6 AND U18.
12. THE PCB EDGE NEAR AMC CONNECTOR EDGE SHOULD BE AS SHOWN IN THE BELOW FIG.

SCALE: NONE



SINGLE ENDED IMPEDANCE

LAYER NO	CONDUCTOR WIDTH	REFERENCE LAYER	IMPEDANCE +/- 10%
1 & 12	7.0 MIL	2 & 11	50 OHMS
3 & 10	4.0 MIL	2 & 11	50 OHMS
5	4.0 MIL	6	50 OHMS
8	4.0 MIL	7	50 OHMS

DIFFERENTIAL IMPEDANCE

LAYER NO	CONDUCTOR WIDTH	SPACING	REFERENCE LAYER	IMPEDANCE +/- 10%
1	6.5 MIL	5.0 MIL	2	90 OHMS
1 & 12	5.0 MIL	5.0 MIL	2 & 11	100 OHMS
3 & 10	4.01 MIL	11.99 MIL	2 & 11	100 OHMS
8	4.01 MIL	11.99 MIL	7	100 OHMS

DRILL CHART: TOP to BOTTOM
ALL UNITS ARE IN MILS

FIGURE	SIZE	TOLERANCE	PLATED	QTY
•	8.0	+3.0/-3.0	PLATED	177
•	10.0	+3.0/-3.0	PLATED	1513
c	12.0	+3.0/-3.0	PLATED	699
p	18.0	+3.0/-3.0	PLATED	181
K	35.0	+3.0/-3.0	PLATED	12
F	39.0	+3.0/-3.0	PLATED	4
o	40.0	+3.0/-3.0	PLATED	12
H	42.0	+3.0/-3.0	PLATED	2
K	51.0	+3.0/-3.0	PLATED	4
L	62.0	+3.0/-3.0	PLATED	2
⊙	126.0	+3.0/-3.0	PLATED	2
N	138.0	+3.0/-3.0	PLATED	4
*	35.0	+2.0/-2.0	NON-PLATED	2
T	47.0	+2.0/-2.0	NON-PLATED	2
□	51.0	+2.0/-2.0	NON-PLATED	2
▢	53.0	+2.0/-2.0	NON-PLATED	2
▣	64.0	+2.0/-2.0	NON-PLATED	2
▤	125.0	+2.0/-2.0	NON-PLATED	4
■	30.0x120.0	+3.0/-3.0	PLATED	1
■	120.0x30.0	+3.0/-3.0	PLATED	1
■	140.0x40.0	+3.0/-3.0	PLATED	1



CAUTION
SENSITIVE ELECTRONIC DEVICES-CLASS 1

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN <input type="checkbox"/> INCHES <input checked="" type="checkbox"/> MILLIMETERS	eINFOCHIPS LIMITED		
	FABRICATION DRAWING EVM6457 CARD		
DATE 14-10-2010		SIZE B PART NUMBER: - EVM6457	REV 02
SCALE 1/1		SHEET 1 OF 1	

CAD DATA 2 DO NOT MANUALLY 1 UPDATE