NOTES: UNLESS OTHERWISE SPECIFIED.

1. FABRICATE PER IPC-6011 AND IPC-6012 CLASS 2.

2. MATERIAL: 370HR

DIELECTRIC: FR4 PER IPC-4101.

COPPER: AS PER STACKUP.

U.L. RATING: 94V-0 MINIMUM

3. SURFACE FINISH: ENIG

- SOLDER MASK MATERIAL SHALL MEET ALL THE REQUIREMENTS OF IPC-SM-840C.SOLDER MASK SHOULD BE BLUE COLOR.
- 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. REQUEST FABRICATOR TO ADD TEAR DROPS IF NOT ADDED IN THE GERBERS.
- 11. COMPARE SUPPLIED IPC-D-356 NETLIST TO SUPPLIED GERBER DATA PRIOR TO FABRICATION.
- 12. CONTROLLED IMPEDANCE: SEE LAYER STACK AND IMPEDANCE CHART. NOTE: THE IMPEDANCE CHARTS WILL REFLECT ALL POSSIBLE IMPEDANCE VALUES WHICH MAY BE REQUIRED IN THE DESIGN. NOT ALL VALUES WILL BE PRESENT ON EACH LAYER.
- 13. DELIVERY REQUIREMENTS:
- A. ONE BARE BOARD (SOLDER SAMPLE) AND CROSS-SECTION SHALL BE INCLUDED WITH EACH BOARD LOT.
- B. A TDR REPORT, ONE PER PANEL SHALL ACCOMPANY THE MATERIAL SHIPMENT.

14.MINIMUM CONDUCTOR WIDTH: 4MIL
MINIMUM SPACING: 4.3 MIL

SIZE	QTY	SYM	PLATED	THR/PRTL	TOL
8	1406	×	YES	THR	+/-3
11.811	35	+	YES	THR	+/-3
12	2103	+	YES	THR	+/-3
16	3	+	YES	THR	+/-3
19.685	64	м	YES	THR	+/-3
25.591 x 94.48	3 2	+0	YES	THR	+/-3
27.559	5	+	YES	THR	+/-3
31.496	4	+	YES	THR	+/-3
35	2	+	YES	THR	+/-3
35.433	10	+	YES	THR	+/-3
42	14	+8	YES	THR	+/-3
43.307	4	+8	YES	THR	+/-3
45	3	+	YES	THR	+/-3
45.276	3	+6	YES	THR	+/-3
47.244	4	0	YES	THR	+/-3
47.244 x 64.96	11	+ *	YES	THR	+/-3
51.181	16	0	YES	THR	+/-3
62.992	5	+	YES	THR	+/-3
106.299	4	+c	YES	THR	+/-3
118.11	12	+	YES	THR	+/-3
45.276	1	+	NO.	THR	+/-2
51.181	1	+	NO.	THR	+/-2
62.992	2	X	NO.	THR	+/-2
64.961	1	+3	NO.	THR	+/-2
127.953	2	+	NO.	THR	+/-2

PCB Moverall

LAYE

BO mil

10x Tolerance

Mask

Mask

DRILL DRAWING

DRILL DRAWI

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	LAYERING DETAIL	LAYER	TRACE WIDTH	SPACE WIDTH	IMPEDANCE (OHM,+/-10%)	COPPER THICKNESS
	SCALE = NONE		4.5 mil	7.5 mil	100 DIFF	
\leq		-L1 (TOP)	5.5 mil	6.5 mil	90 DIFF	0.5oz+Plating
	3.61 mil		6 mil	-	50 SINGLE	
		- L2 (GND PLANE)				1 0Z
	4 mil	- L3 SIGNAL	4.0 mil 4.75 mil 8 mil	8.0 mil 7.25 mil	100 DIFF 90 DIFF 50 SIGNAL	1 0Z
	19.36mil	-L4 (PWR PLANE)				1 0Z
ce	14 mil	_L5 (PWR PLANE)				1 0Z
2	19.36 mil	_ L6 SIGNAL	4.0 mil 4.75 mil 5 mil	8.0 mil 7.25 mil	100 DIFF 90 DIFF 50 SIGNAL	1 0Z
	4 mil	_L7 (GND PLANE)				1 0Z
	3.61 mil	_L8 (BOTTOM)	4.5 mil 5.5 mil 6 mil	7.5 mil 6.5 mil –	100 DIFF 90 DIFF 50 SINGLE	0.5oz+Plating

Mask=Blue , Silkscreen=White , Hole=Plug , ENIG per IPC