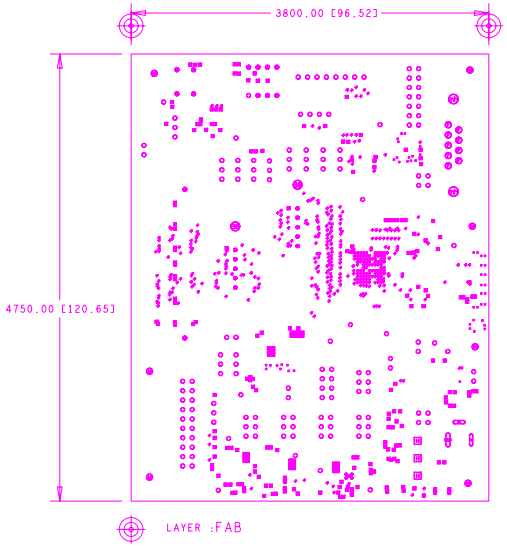
LAYER DETAIL

PCB STACK UP				IMPEDANCE			
LAYERS	TYPE	THICKNESS(MILS)					
		TOP SIDE SOLDER MASK	0.50MILS	SINGLE ENDED	OHM	DIFFERENTIAL	OHM
L1	TOP	COPPER+PLATING	0.90MILS	19MILS,50 OHM+/-10%	49.28 OHM	12/8/12 MILS,100 OHM +/-10%	97.1 OHM
		PREPREG	10.50 MILS				
L2	GND1	COPPER	0.70MILS				
		CORE	5.00MILS				
L3	SIG1	COPPER	0.70MILS	5MILS,50 OHM +/-10%	49.18 OHM		
		PREPREG	7.50MILS				
L4	PWR1	COPPER	0.7 MILS				
		CORE	10.0MILS				
L5	PWR2	COPPER	0.70MILS				
		PREPREG	7.50MILS				
L6	SIG2	COPPER	0.70MILS	5MILS,50 OHM +/-10%	49.18 OHM		
		CORE	5.00MILS				
L7	GND2	COPPER	0.70MILS				
		PREPREG	10.50MILS				
L8	BOTTOM	COPPER+PLATING	0.90MILS	19MILS,50 OHM+/-10%	49.28 OHM		
		BOTTOM SIDE SOLDER MASK	0.50 MILS	BOARD THICKNESS : 0.062" +/-0.006",MATERIAL 370HR			
		TOTAL	63.00 MILS				
			1.60MM				

NOTES :

1) FABRICATE BOARD PER IPC-A-600G
2) MATERIAL 370HR 8 LAYER BOARD.
3) BOARD THICKNESS : 0.062" +/-0.006".
4) MINIMUM PLATING IN ALL THE THROUGH HOLE SHALL BE 0.001 INCH Cu.
5) ALL HOLES ARE PLATED THROUGH UNLESS OTHERWISE SPECIFIED.
6) HOLE SIZE ARE FINISHED SIZE.
7) SOLDER MASK BOTH SIDE WITH BLUE LIQUID PHOTO IMAGABLE.
8) FOR LAYER BUILD UP SEE STACK UP DETAIL.
9) SILKSCREEN BOTH SIDE "WHITE EPOXY" OVER SOLDER MASK
10) DEBURR ALL SHARP EDGES
11) BOW AND TWIST: SHOULD NOT EXCEED 0.005" PER INCH.
12) PLATED PADS ON TOP AND BOTTOM MUST BE SAME HEIGHT AS CONDUCTOR PAD AND TRACE
13) PLATING: SOFT IMMERSION GOLD FINISH.
14) NO VENDOR LOGO OR NAME ON THE BOARD.
15) REMOVE ALL UNUSED PADS IN ALL INNER LAYERS

BOARD DIMENSIONS ARE IN MILS[MM]



DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
•	8.0	+3.0/-3.0	PLATED	415
▪	10.0	+3.0/-3.0	PLATED	236
•	11.81	+3.0/-3.0	PLATED	5
•	12.0	+3.0/-3.0	PLATED	47
•	32.0	+3.0/-3.0	PLATED	10
•	39.37	+3.0/-3.0	PLATED	4
○	40.0	+3.0/-3.0	PLATED	157
◍	44.0	+3.0/-3.0	PLATED	9
•	45.0	+3.0/-3.0	PLATED	7
▣	73.0	+3.0/-3.0	PLATED	3
⓪	120.0	+3.0/-3.0	PLATED	2
•	40.0	+2.0/-0.0	NON-PLATED	2
◉	94.0	+2.0/-2.0	NON-PLATED	2
●	125.0	+2.0/-0.0	NON-PLATED	7
▬	125.0x35.0	+3.0/-3.0	PLATED	1
▮	125.0x35.0	+3.0/-3.0	PLATED	1
▮	145.0x45.0	+3.0/-3.0	PLATED	1