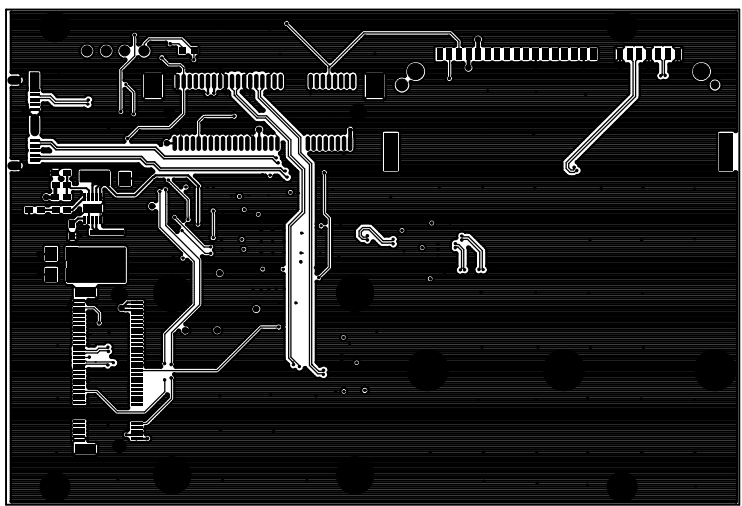


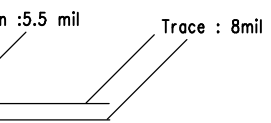
Minerva Inno .		DATE: 2017/04/18	SURFACE FINISHED:	
BOARD NAME:G412518			DIELECTRIC MATERIAL:	FR-4
P/N:Heating Controller			SOLDERMASK COLOR:	Green
REV: Rev1.0	PAGE: 1	OF 11	SILKSCREEN COLOR:	WHITE
PAGE NAME: TOP LAYER (LAYER1)			PCB LAYER	4 LAYER
FILM NAME: G412518			PCB THICKNESS	1.0MM
DRN: Johnny_Hsu	CKD: Johnny_Hsu		PCB THICKNESS TOLERANCE	± 0.005"
			DRILL NON-PTH TOLERANCE	± 0.002"
			DRILL PTH TOLERANCE	± 0.003"
			LAYER 1	COMPONENT SIDE
			LAYER 2	GROUND PLANE
			LAYER 3	POWER PLANE
			LAYER 4	COMPONENT SIDE
<b>Amendment History</b>			PCB Layer	4 Layer (FR-4)
Date	Release	Description	TOP Copper	1.2(1oz)
2015/12/02		THIRD DRAFT DESIGN	FR-4	4.1mil
			GND (Inner 2)	1.35(1oz)
			FR-4	27.22mil
			Power (Inner 3)	1.35(1oz)
			FR-4	4.1mil
			BOT Copper	1.2mil

U  
Separation  
SAT  
Separation

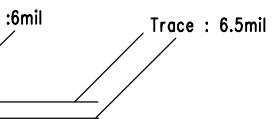
Single Impedance	Layer	Trace W
80ohm	1,4	8
90ohm	1,4	8



SB 80ohm



A 90ohm



Width(mil)	Separation	Tolerance	Frequency(MHz)	Remark
	5.5	± 10%	Default	
5.5	6	± 10%	Default	
		± 10%	Default	
		± 10%	Default	
		± 10%	Default	
		± 10%	Default	