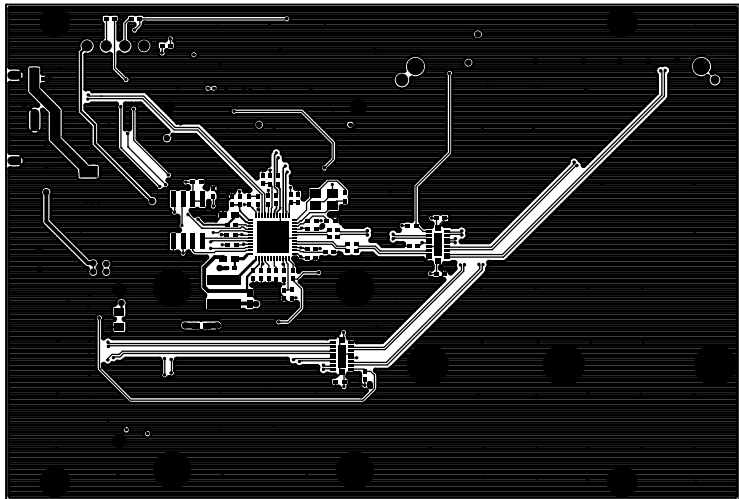
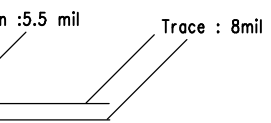


Minerva Inno .		DATE: 2017/04/18	SURFACE FINISHED:	FR-4
BOARD NAME:G412518			DIELECTRIC MATERIAL:	Green
P/N:Heating Controller			SOLDEMASK COLOR:	WHITE
REV: Rev1.0	PAGE: 4	OF 11	PCB LAYER	4 LAYER
PAGE NAME: BOTTOM LAYER (LAYER4)			PCB THICKNESS	1.0MM
FILM NAME: G412518			PCB THICKNESS TOLERANCE	± 0.005"
DRN: Johnny_Hsu	CKD: Johnny_Hsu		DRILL NON-PTH TOLERANCE	± 0.002"
Amendment History			DRILL PTH TOLERANCE	± 0.003"
			LAYER 1	COMPONENT SIDE
Date	Release	Description	LAYER 2	GROUND PLANE
2015/12/02		THIRED DRAFT DESIGN	LAYER 3	POWER PLANE
			LAYER 4	COMPONENT SIDE
			PCB Layer	4 Layer (FR-4)
			TOP Copper	1.2(1oz)
			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

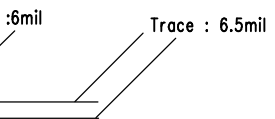
Single Impedance	Layer	Trace W
80ohm	1,4	8
90ohm	1,4	8



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	