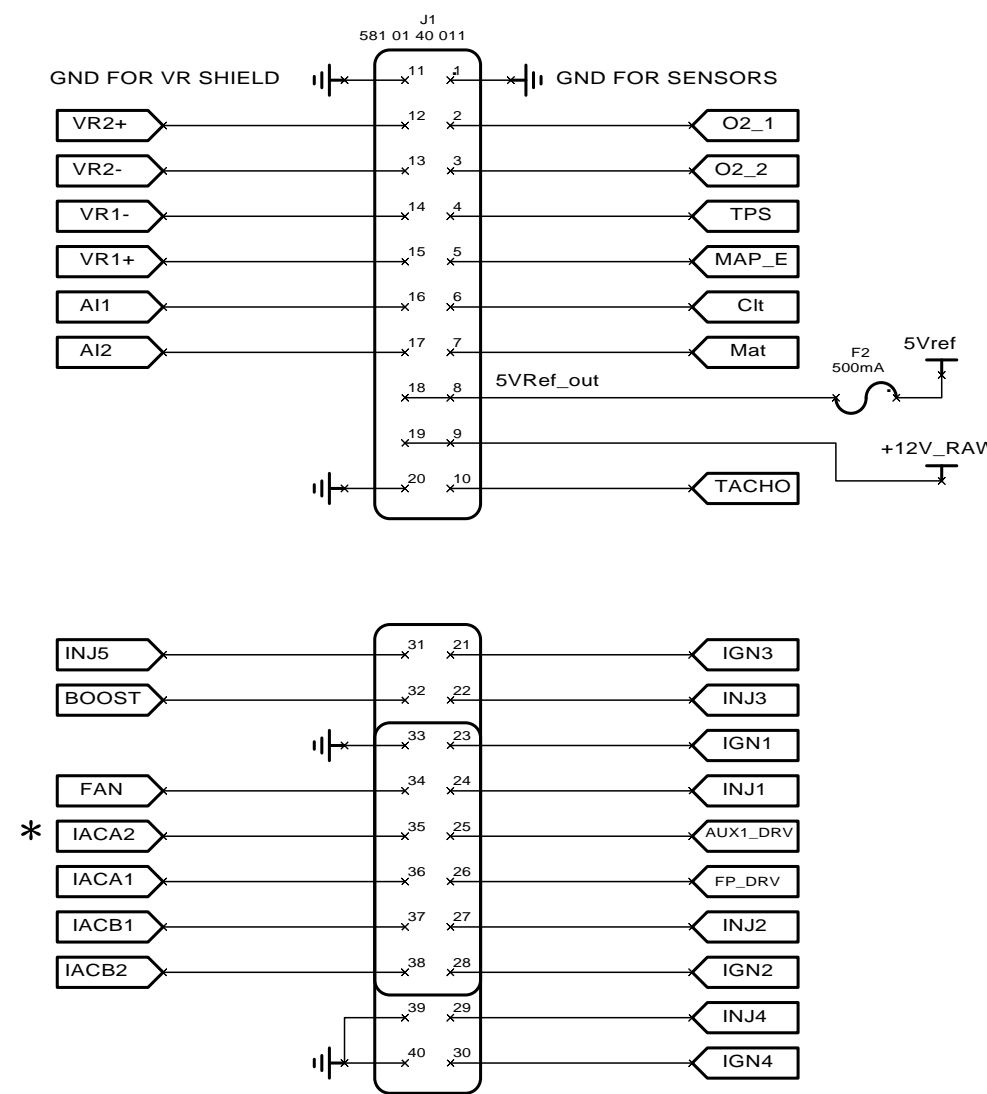


I/O MAIN CONNECTORs

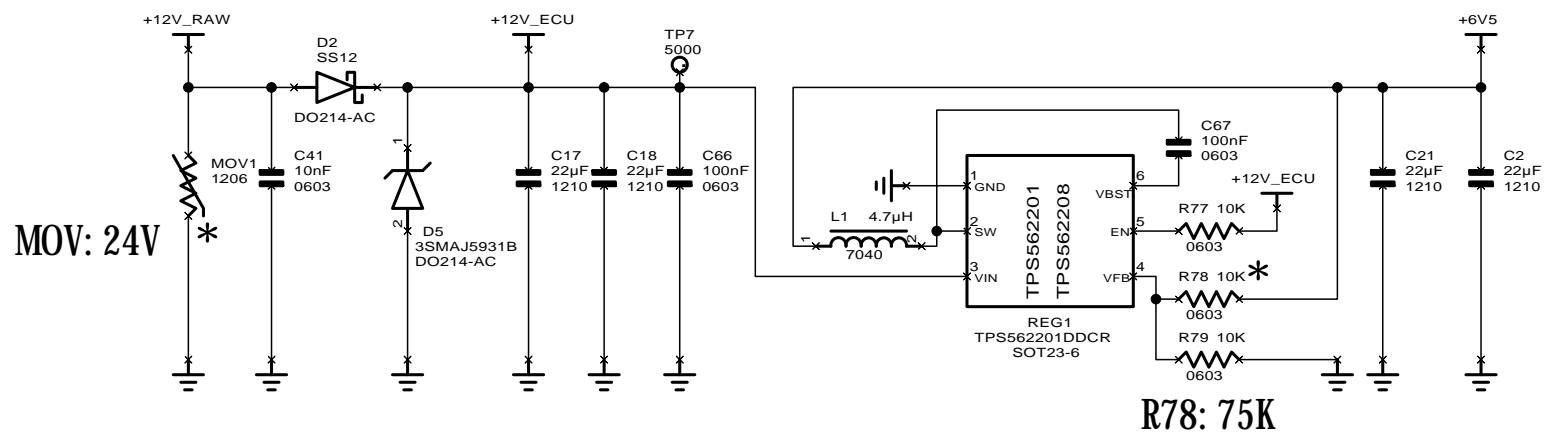


* IACA2 signal is used for PWM IDLE OUT when stepper driver is not used.

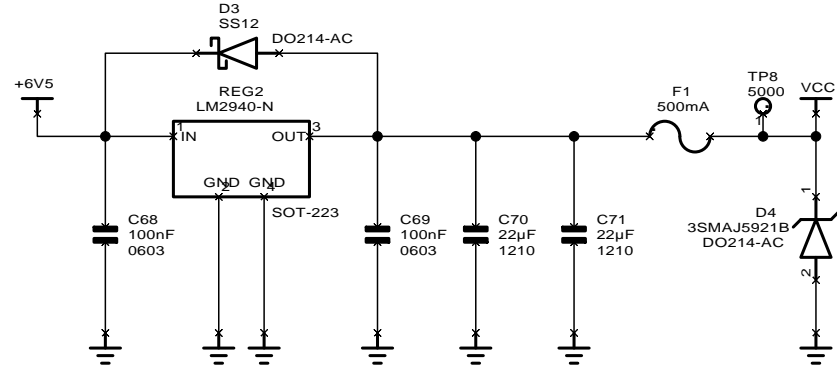
POWER SUPPLY UNIT

* COMPONENTS TO ADJUST:
MOV1, R78,R36

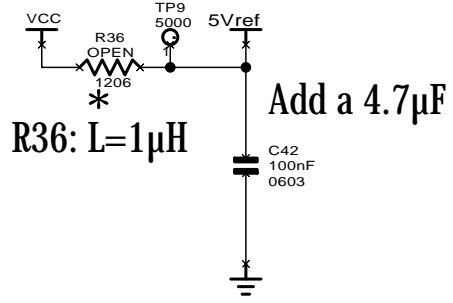
BUCK STEP DOWN VBAT -> 6.5V



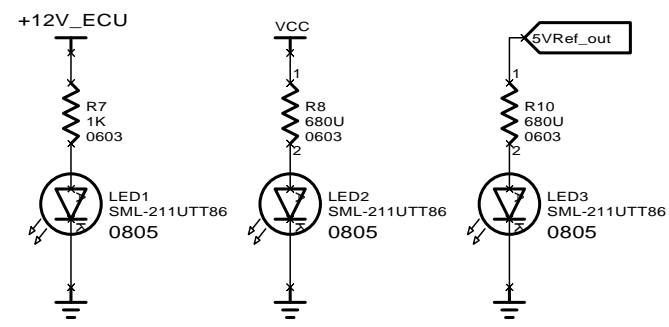
VCC LDO REG. 6.5V -> VCC



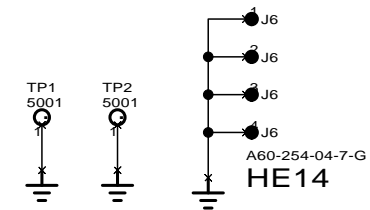
5Vref



PSU LEDs



TPs

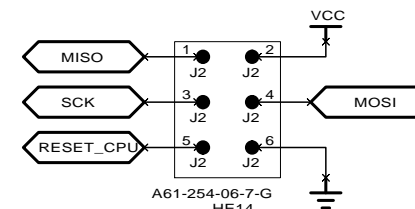
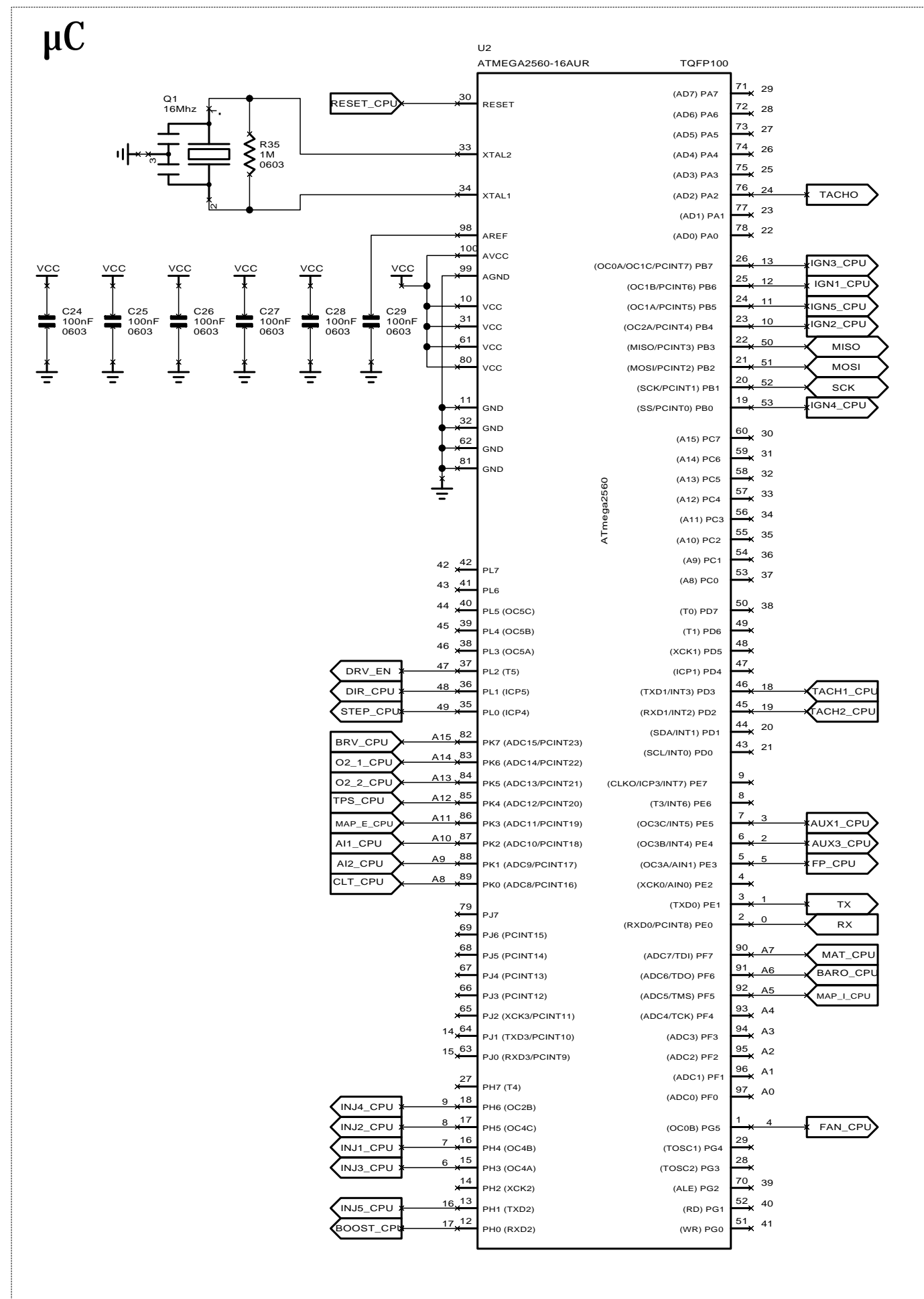


CONNECTOR/PSU

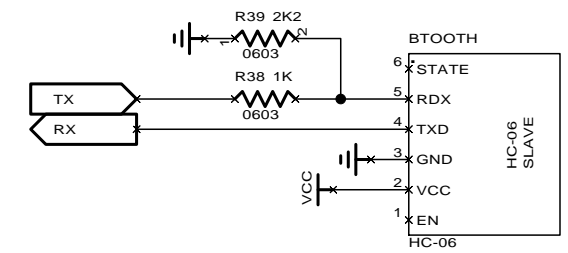
A5510
SPEEDUINO ECU

1612-054
Rev 1.0

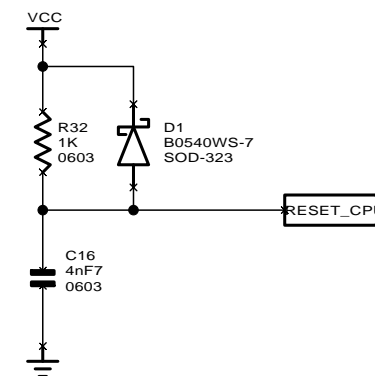
DESIGNER : FRMA
DATE : 30/04/2017



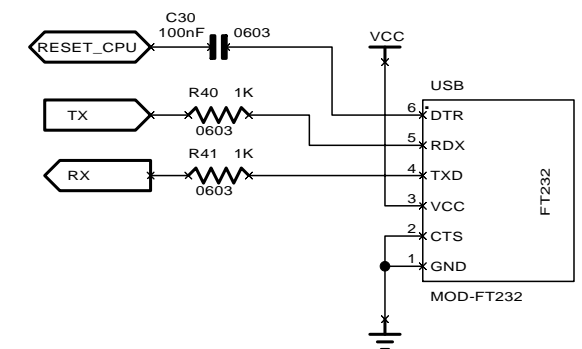
BLUETOOTH (OPTION 1)



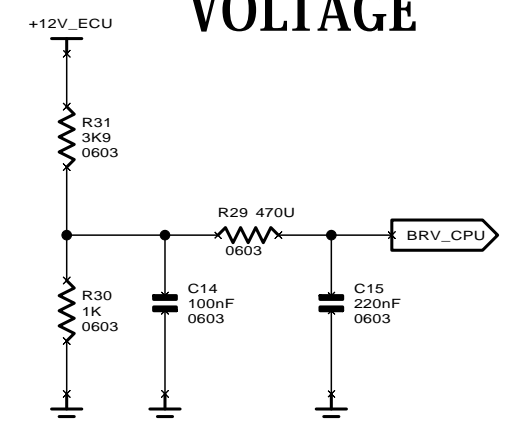
RESET



USB (OPTION 2)

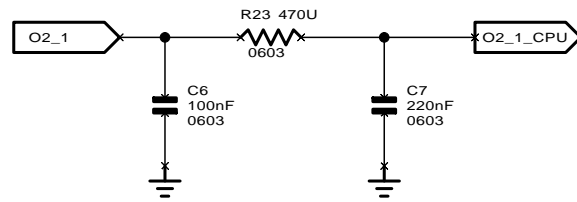


BATTERY REFERENCE VOLTAGE

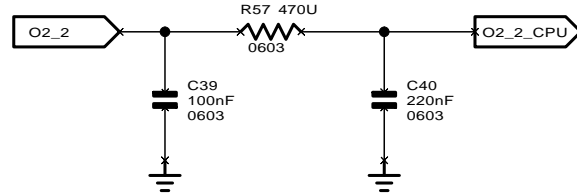


CPU							
		REV0	ORG-EDT				
		REV	MODIF	DESS	DATE	CONTR	DATE
A5510 SPEEDUINO ECU	1612-054 Rev 1.0		DESIGNER : FRMA DATE : 30/04/2017				
			PAGE 2/5				

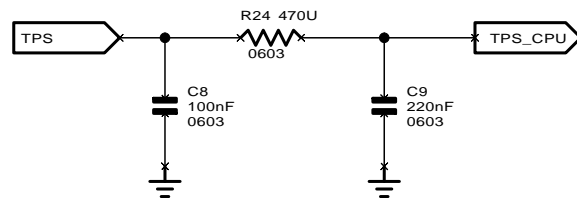
O2 SENSOR 1



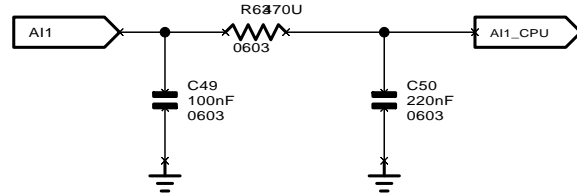
O2 SENSOR 2



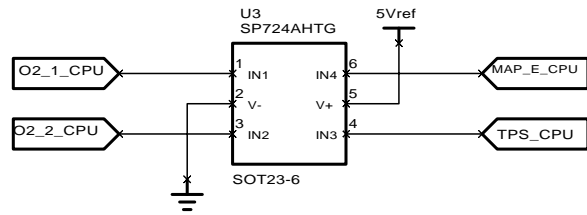
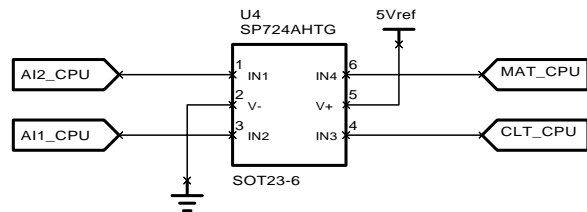
TPS SENSOR



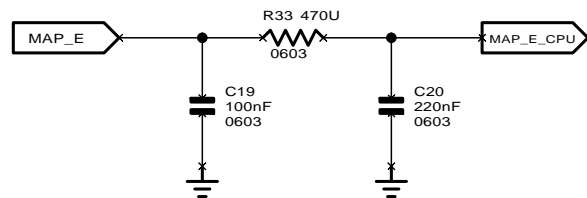
ANALOG INPUTS (OPTIONAL)



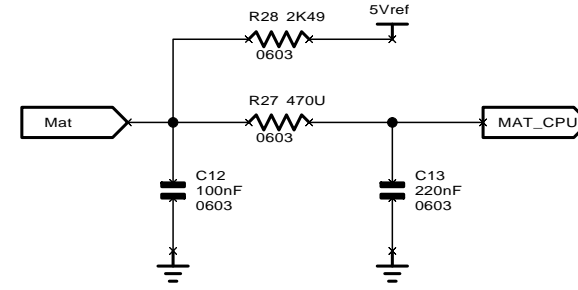
ESD PROTECTION for SENSORS



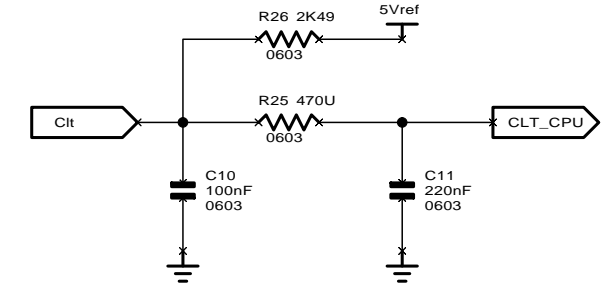
EXTERNAL MAP SENSOR



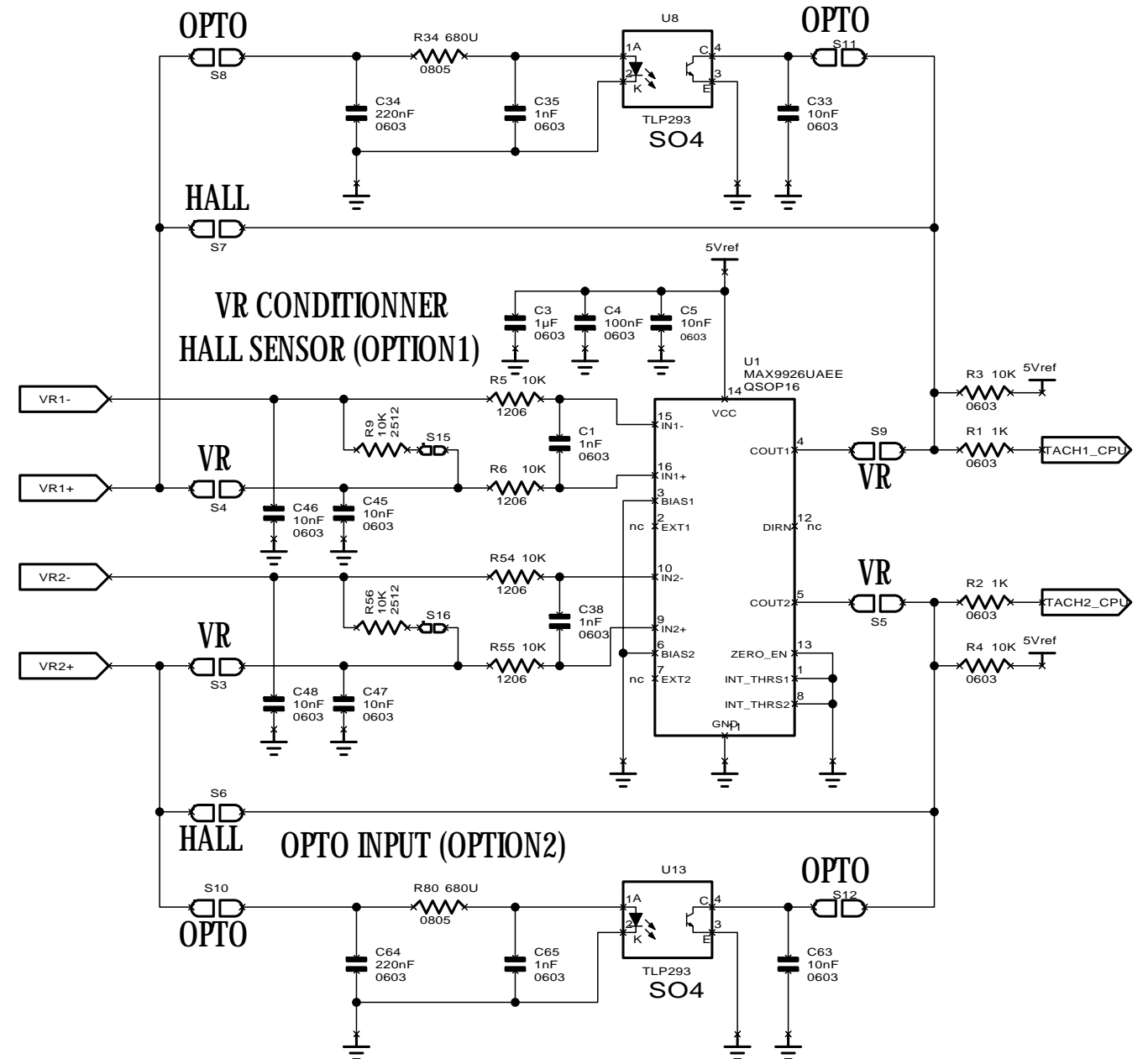
MAT SENSOR



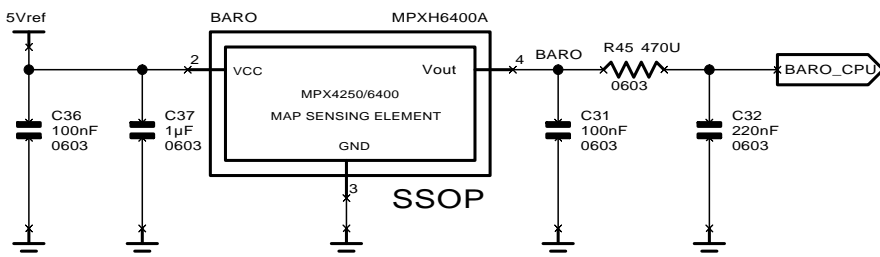
CLT SENSOR



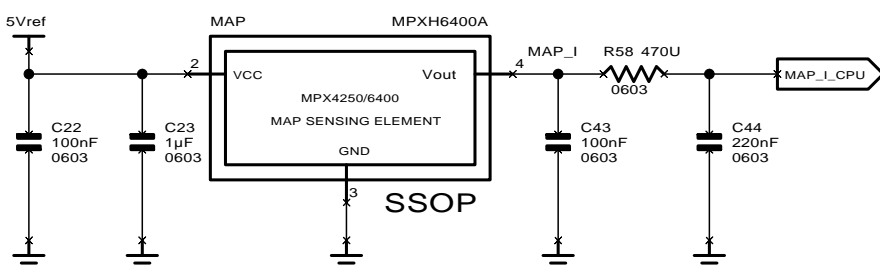
OPTO INPUT (OPTION2)



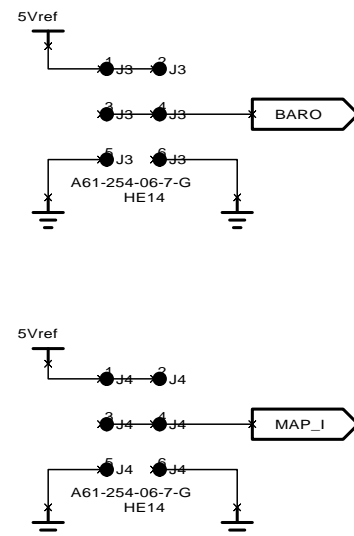
BARO SENSOR



INTERNAL MAP SENSOR



EXTENSION HEADER FOR MAP SENSORS



INPUTS/SENSORS

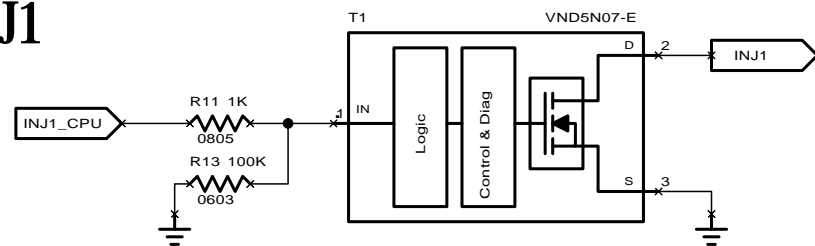
A5510
SPEEDUINO ECU

1612-054
Rev 1.0

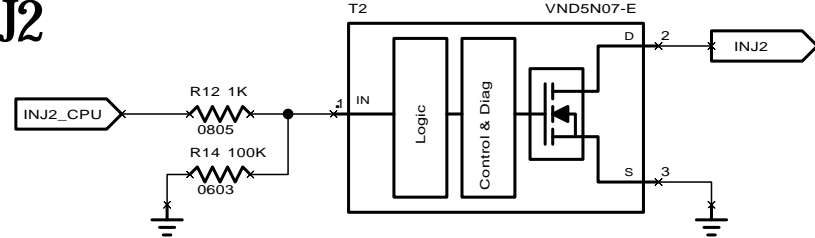
DESIGNER : FRMA
DATE : 30/04/2017

PAGE
3/5

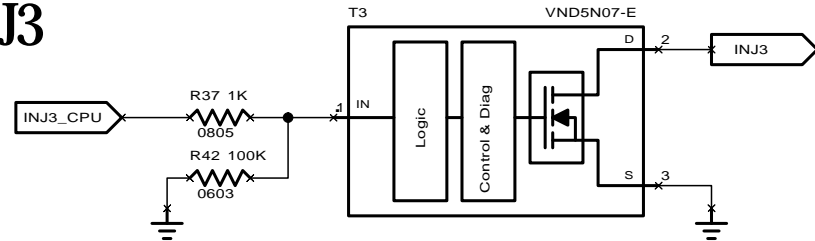
INJ1



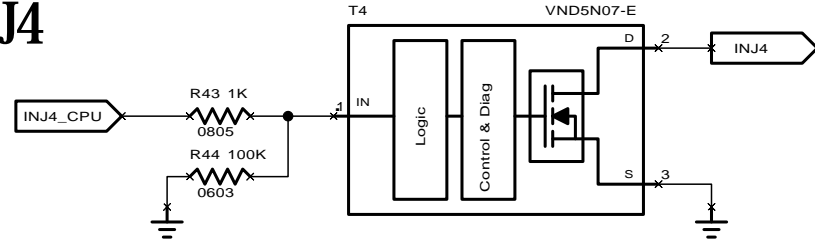
INJ2



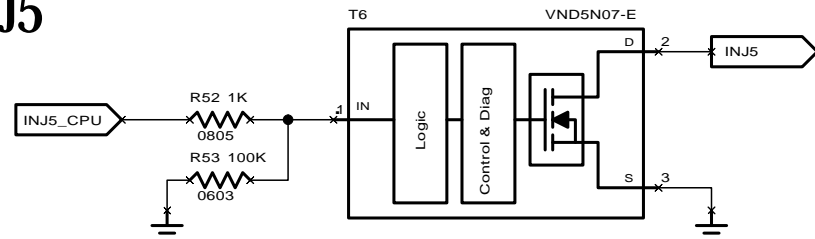
INJ3



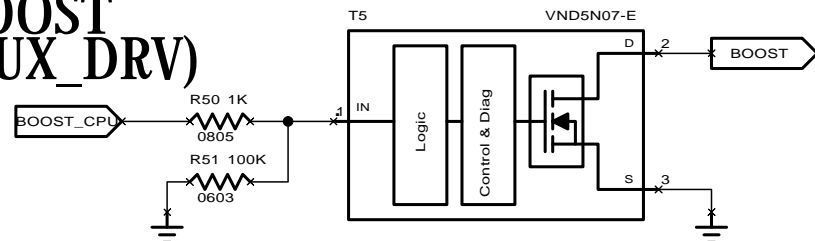
INJ4



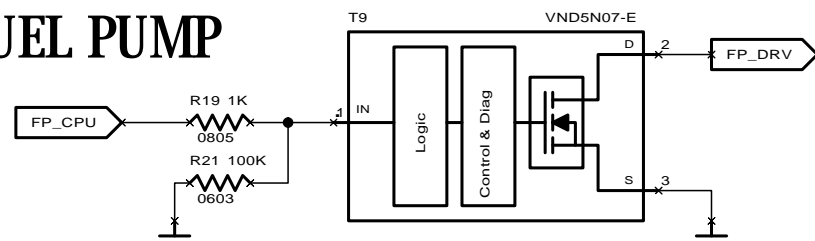
INJ5



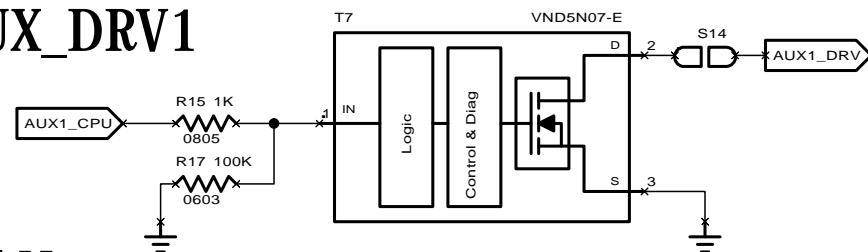
BOOST (AUX_DRV)



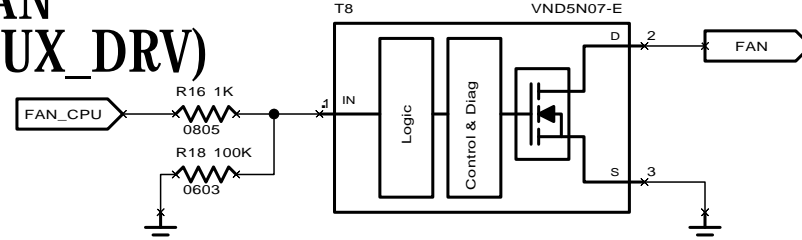
FUEL PUMP



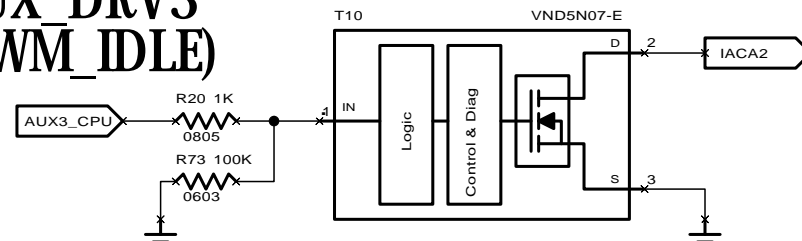
AUX_DRV1



FAN (AUX_DRV)

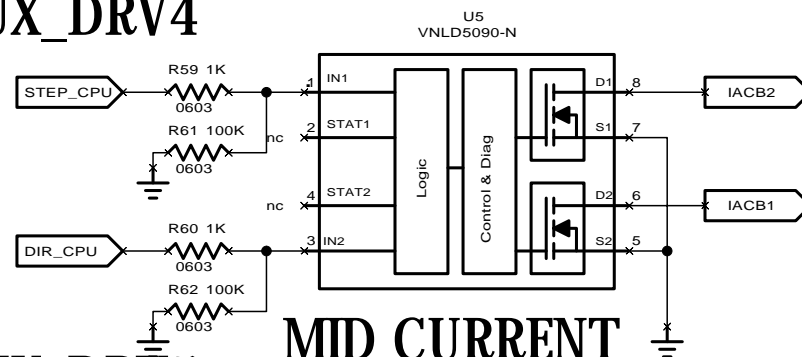


AUX DRV3 (PWM_IDLE)



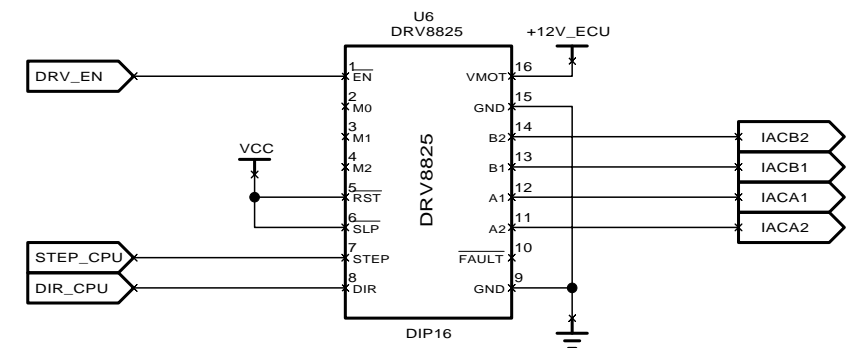
NOT FITTED IF STEPPER IDLE

AUX_DRV4



AUX_DRV5 MID CURRENT NOT FITTED IF STEPPER IDLE

STEPPER DRIVER IDLE



INJ/AUX OUT

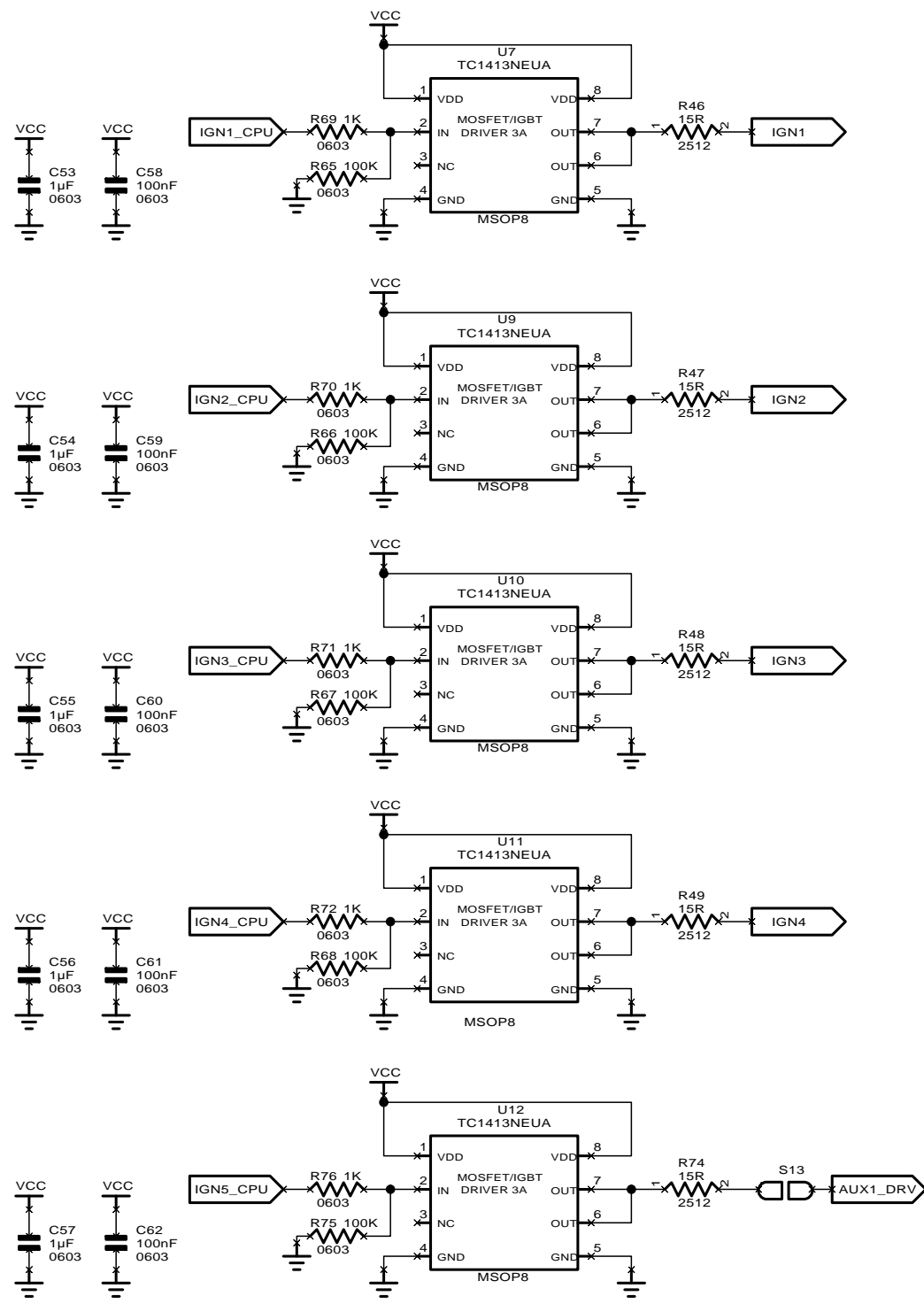
A5510
SPEEDUINO ECU

1612-054
Rev 1.0

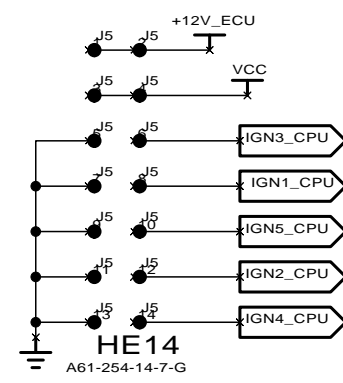
DESIGNER : FRMA
DATE : 30/04/2017

PAGE
4/5

IGNITION DRIVER



EXTENSION HEADER
FOR IGNITION



IGN/IDLE OUT		REV0	ORG-EDT				
		REV	MODIF	DESS	DATE	CONTR	DATE
A5510 SPEEDUINO ECU		1612-054 Rev 1.0		DESIGNER : FRMA DATE : 30/04/2017			
				PAGE 5/5			