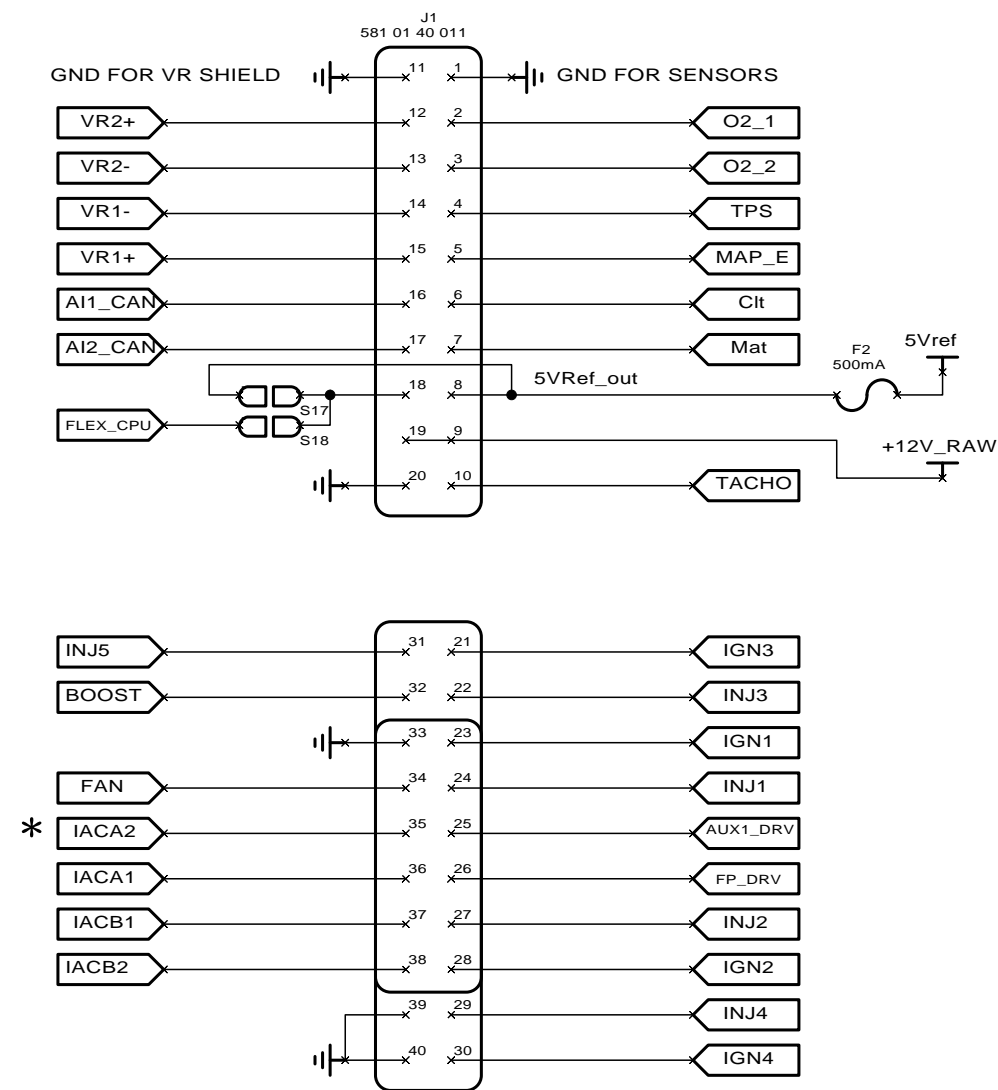


I/O MAIN CONNECTORs



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

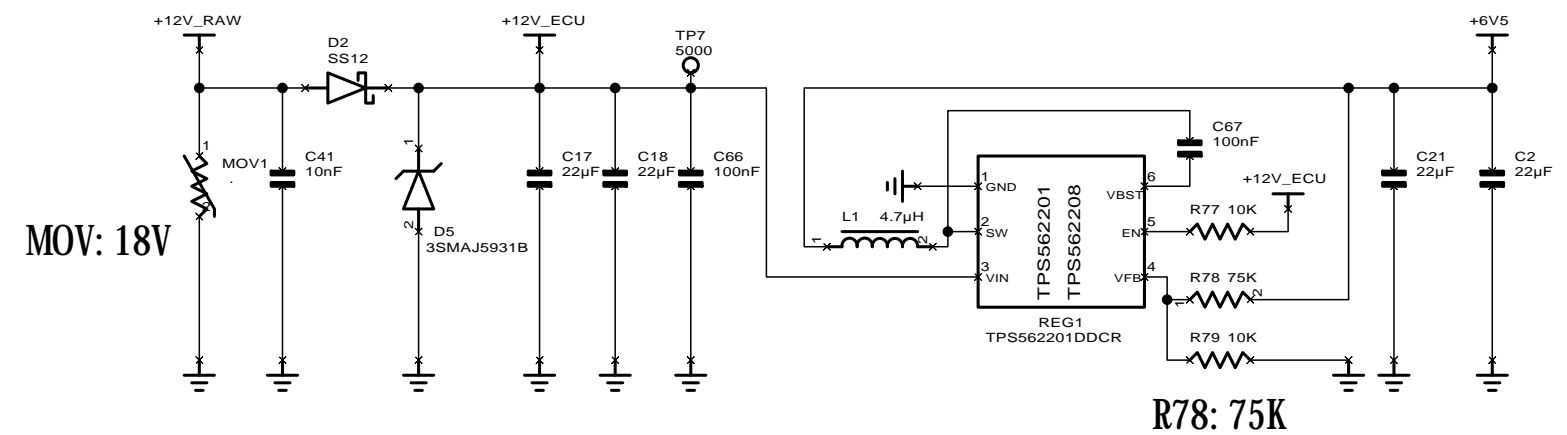
EXTENSION HEADER FOR CAN BUS



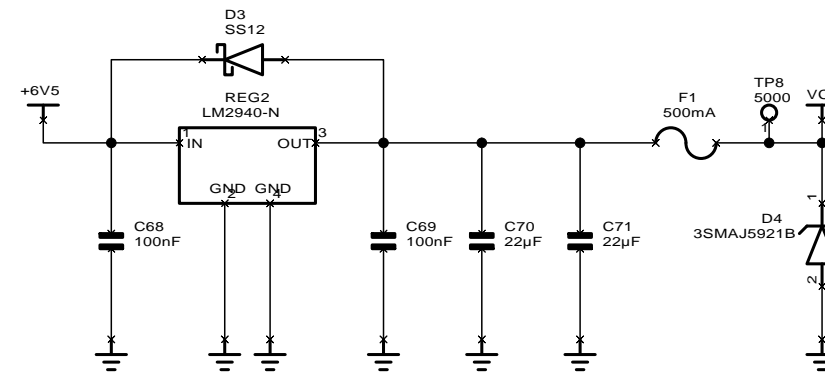
POWER SUPPLY UNIT

* COMPONENTS TO ADJUST:
R36

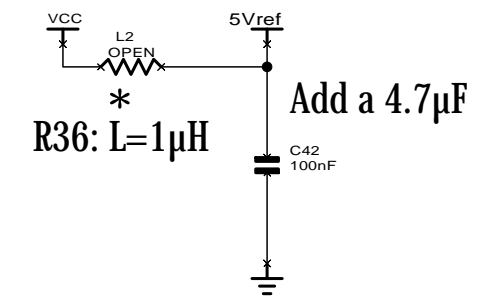
BUCK STEP DOWN VBAT -> 6.5V



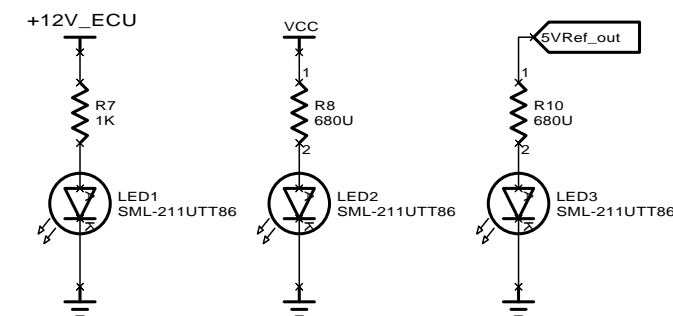
LDO REG. 6.5V -> VCC



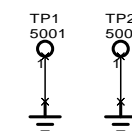
5Vref



PSU LEDs



TPs



CONNECTOR/PSU

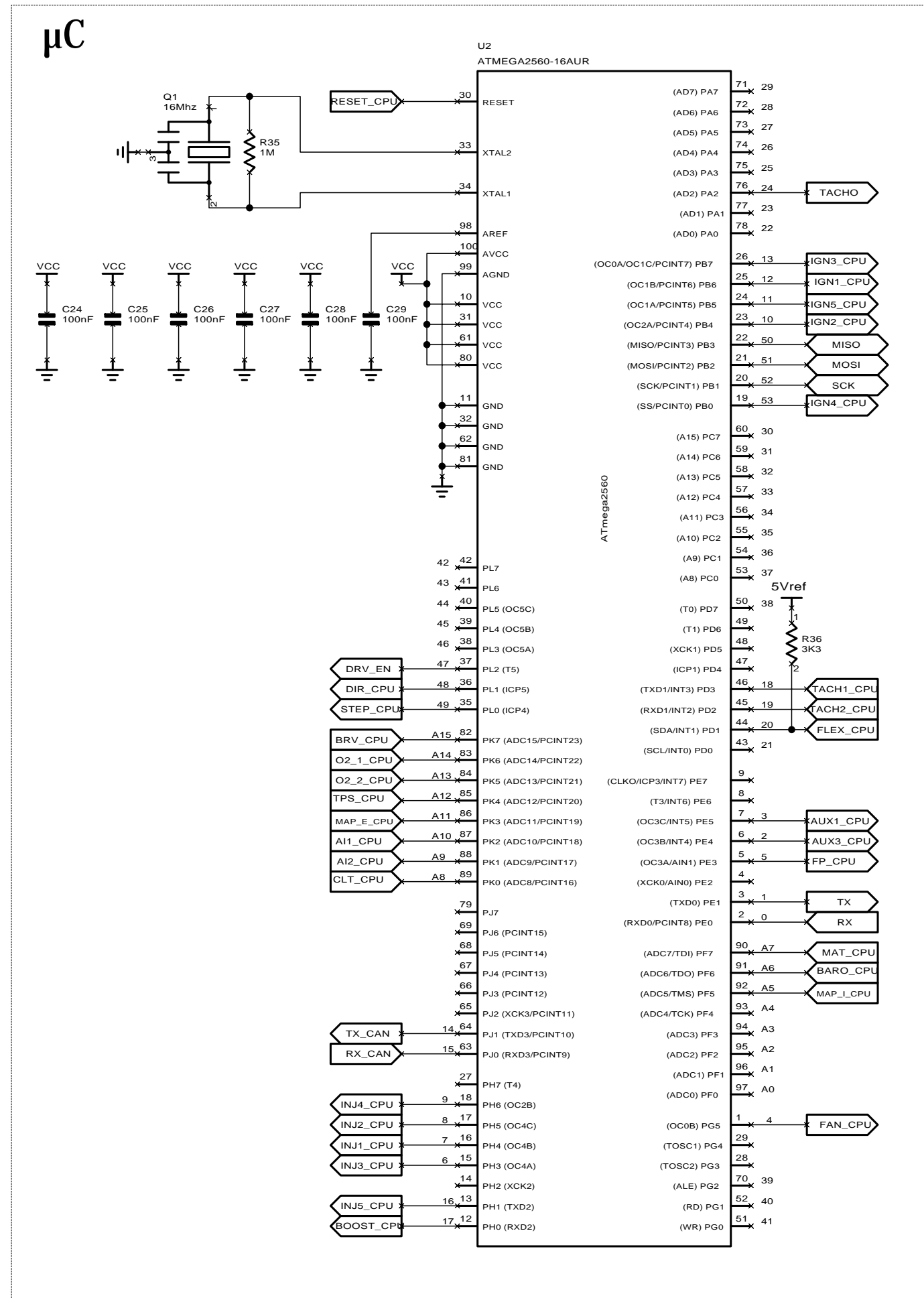
REV0	ORG-EDT				
REV	MODIF	DESS	DATE	CONTR	DATE

A5510 SPEEDUINO ECU

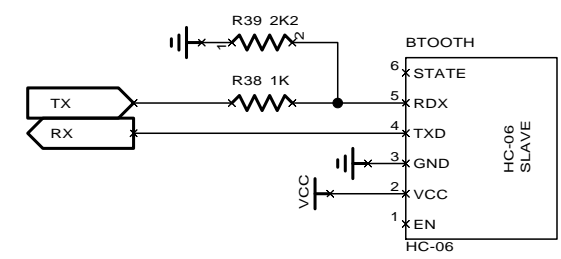
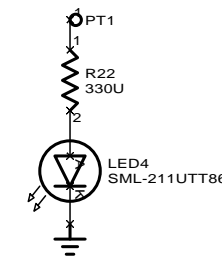
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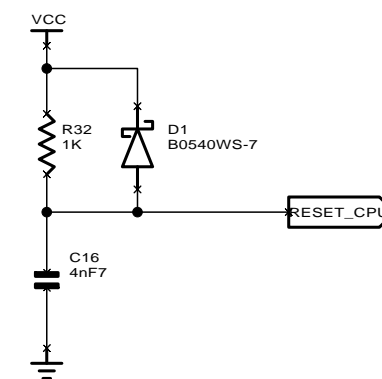
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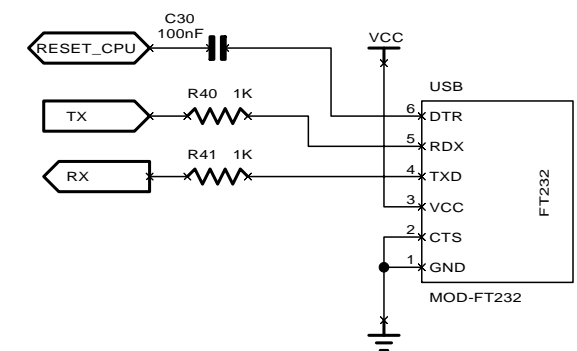
BLUETOOTH (OPTION 1)



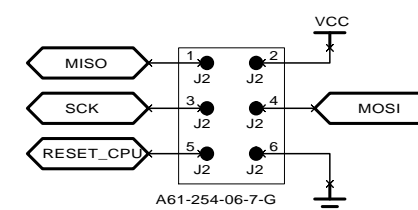
RESET



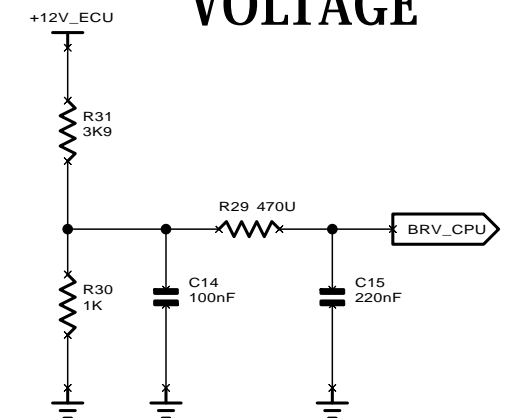
USB (OPTION 2)



ISP

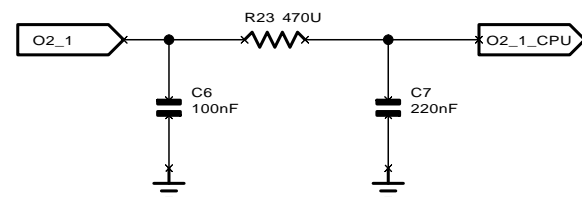


BATTERY REFERENCE +12V_ECU VOLTAGE

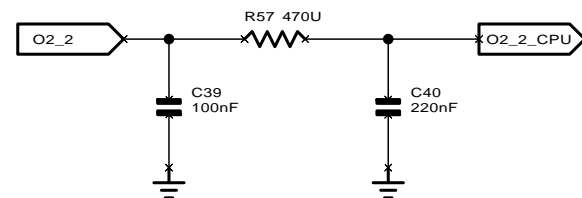


CPU							
		REV0	ORG-EDT				
		REV	MODIF	DESS	DATE	CONTR	DATE
A5510 SPEEDUINO ECU	1612-054 Rev 1.0	DESIGNER : FRMA DATE : 07/05/2017					
		PAGE 2/5					

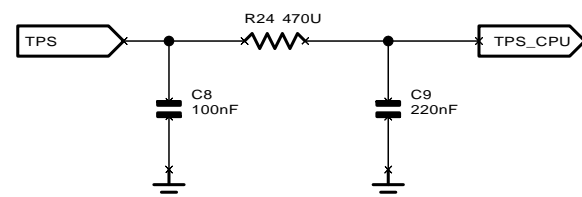
O2 SENSOR 1



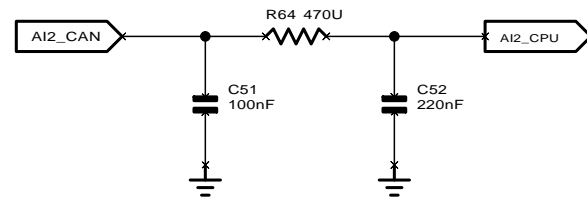
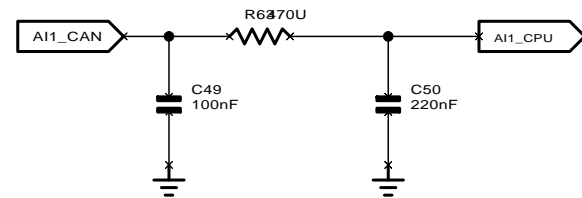
O2 SENSOR 2



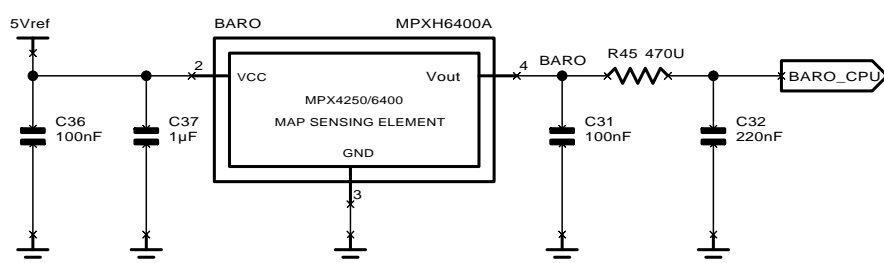
TPS SENSOR



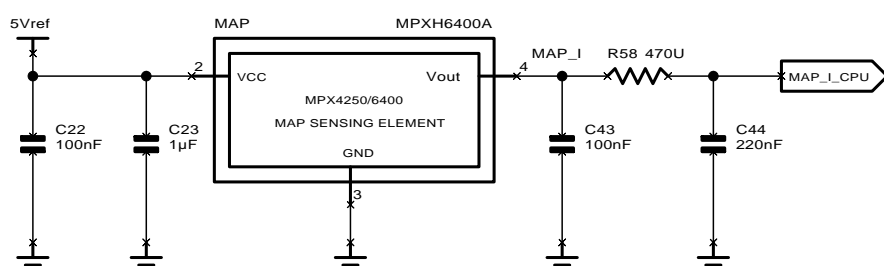
ANALOG INPUTS (OPTIONAL)



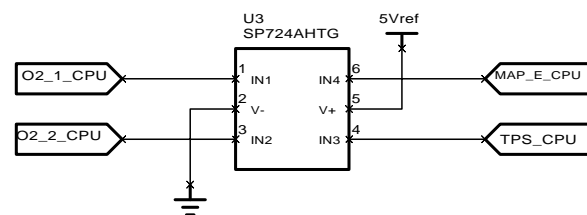
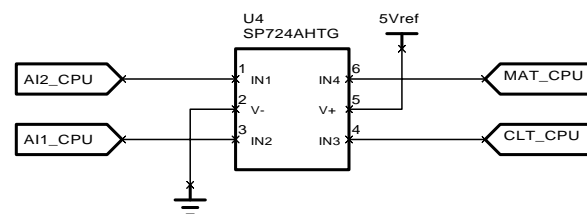
BARO SENSOR



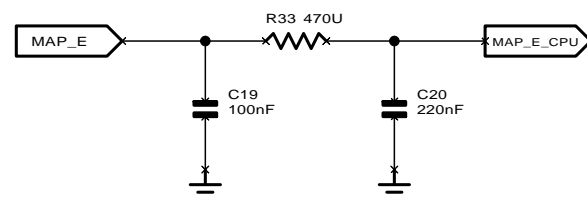
INTERNAL MAP SENSOR



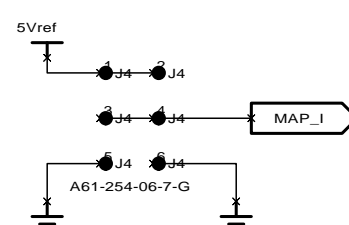
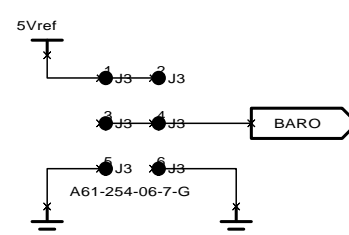
ESD PROTECTION for SENSORS



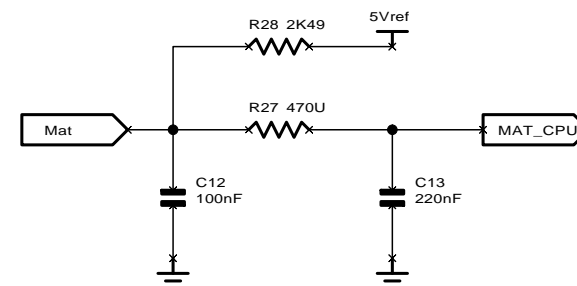
EXTERNAL MAP SENSOR



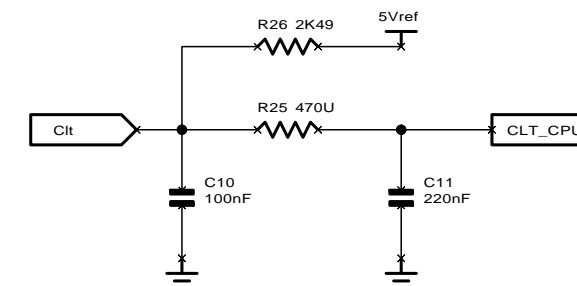
EXTENSION HEADER FOR MAP SENSORS



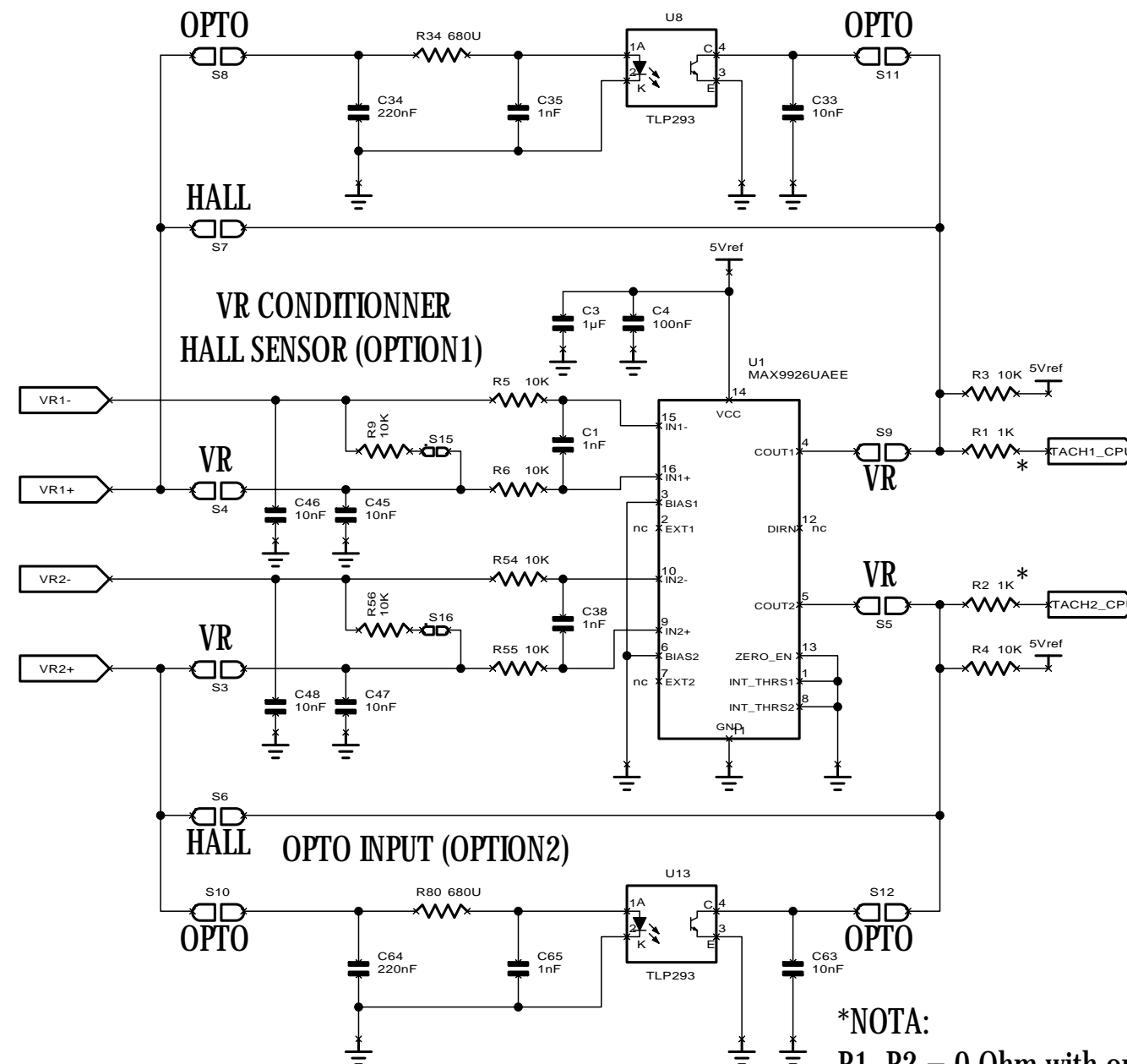
MAT SENSOR



CLT SENSOR



OPTO INPUT (OPTION2)



*NOTA:
R1, R2 = 0 Ohm with opto

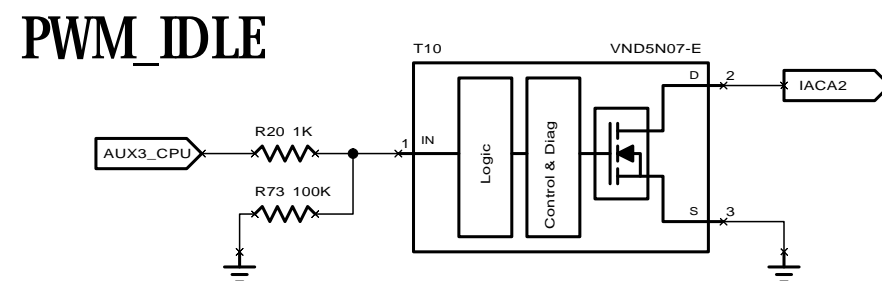
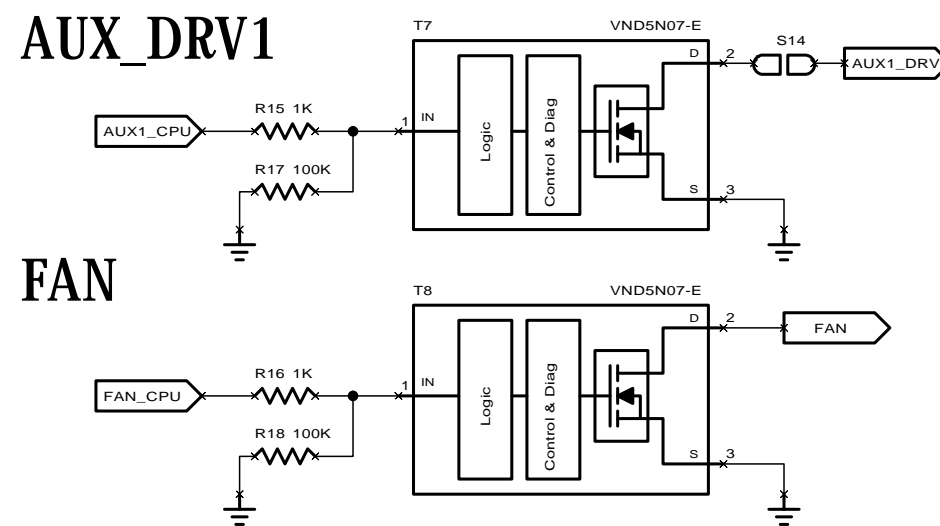
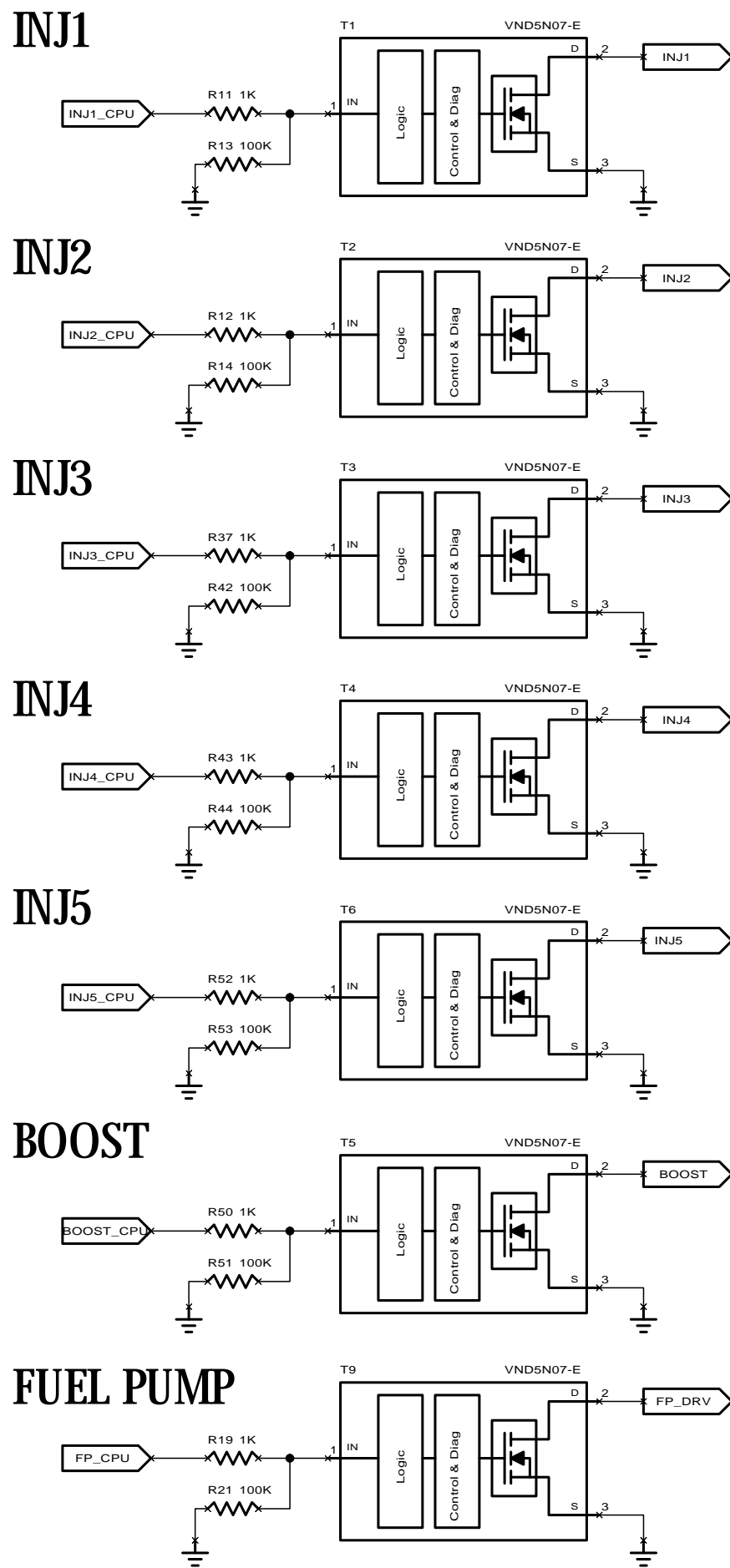
ANALOG INPUTS/SENSORS

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SPEEDUINO ECU

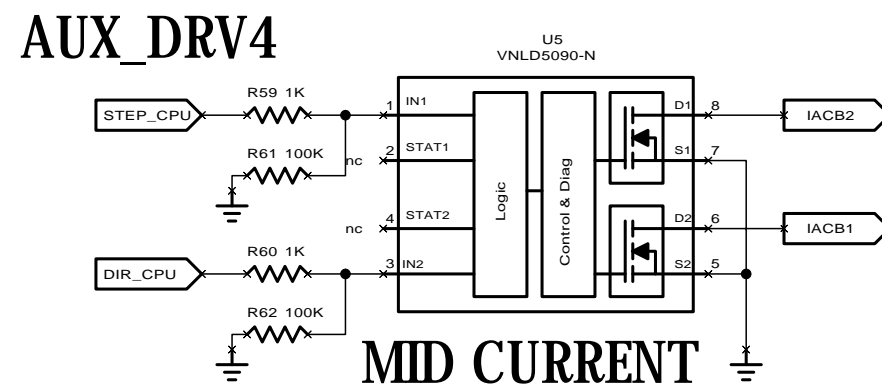
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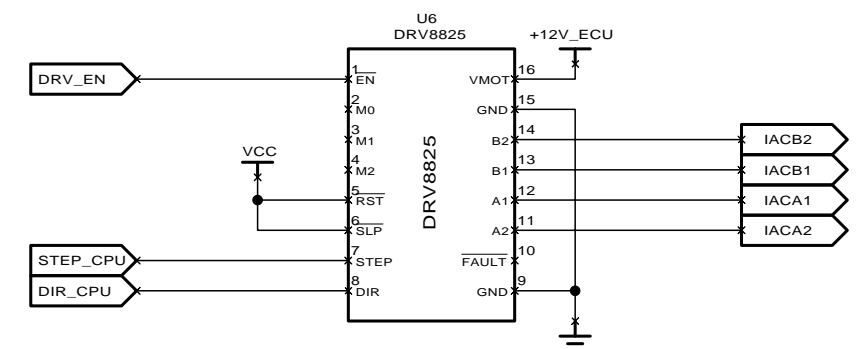


NOT FITTED IF STEPPER IDLE



AUX_DRV5
NOT FITTED IF STEPPER IDLE

STEPPER DRIVER IDLE



NOT FITTED IF PWM IDLE

INJ/AUX OUT

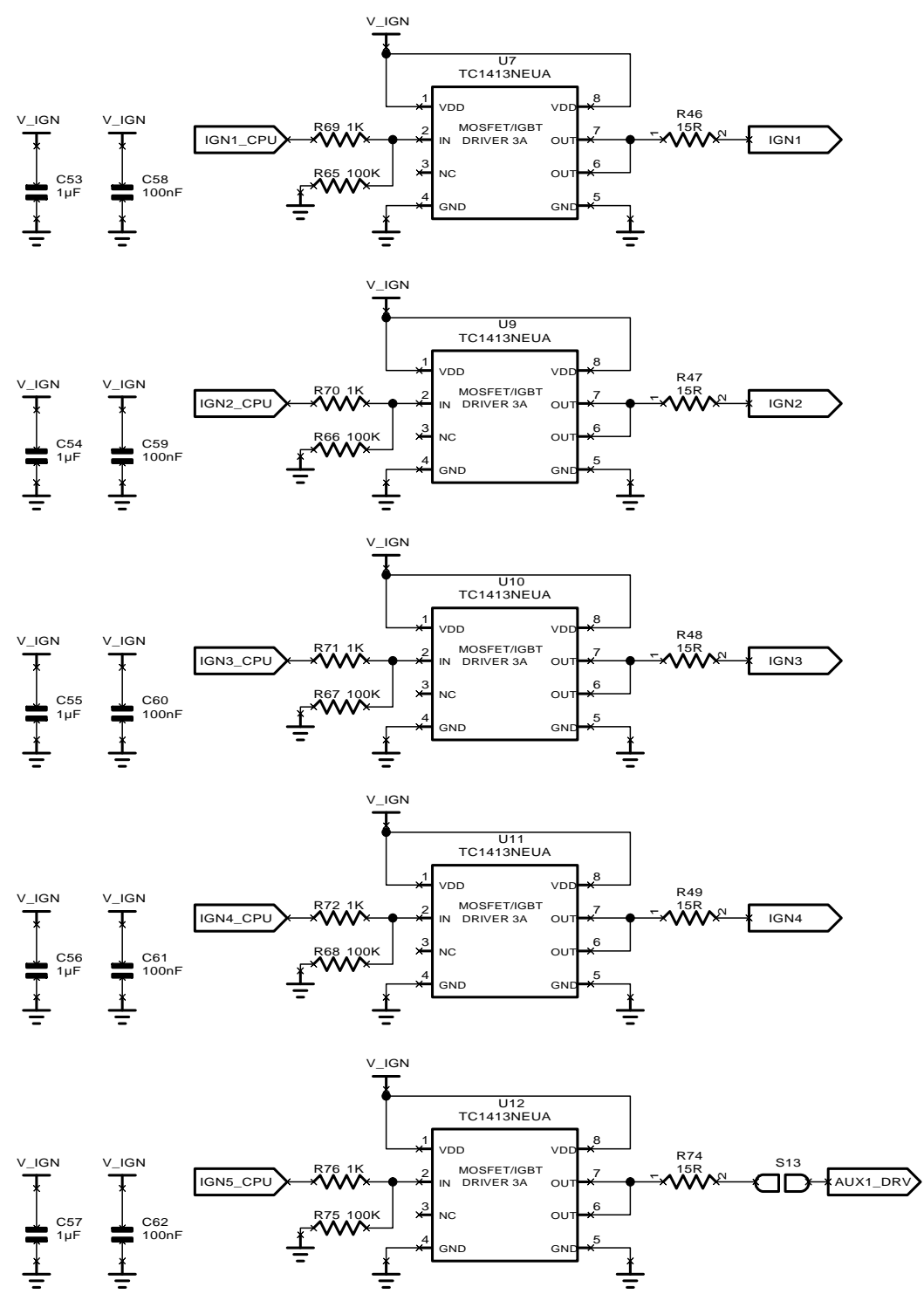
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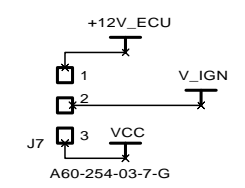
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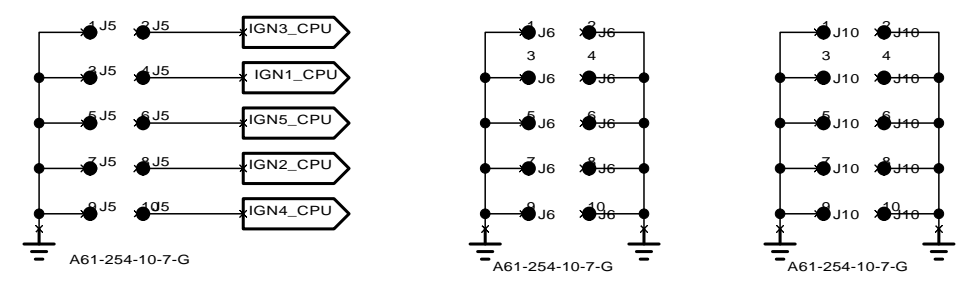
IGNITION DRIVER



IGNITION DRIVER POWER SUPPLY SELECTION



EXTENSION HEADER FOR HIGH CURRENT IGNITION



IGNITION

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