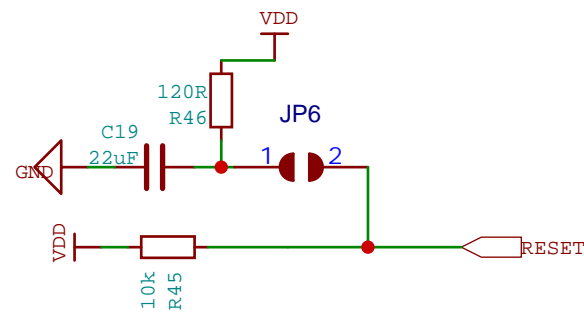


Diodos Zener para proteção contra sobretensão na linha de 5V

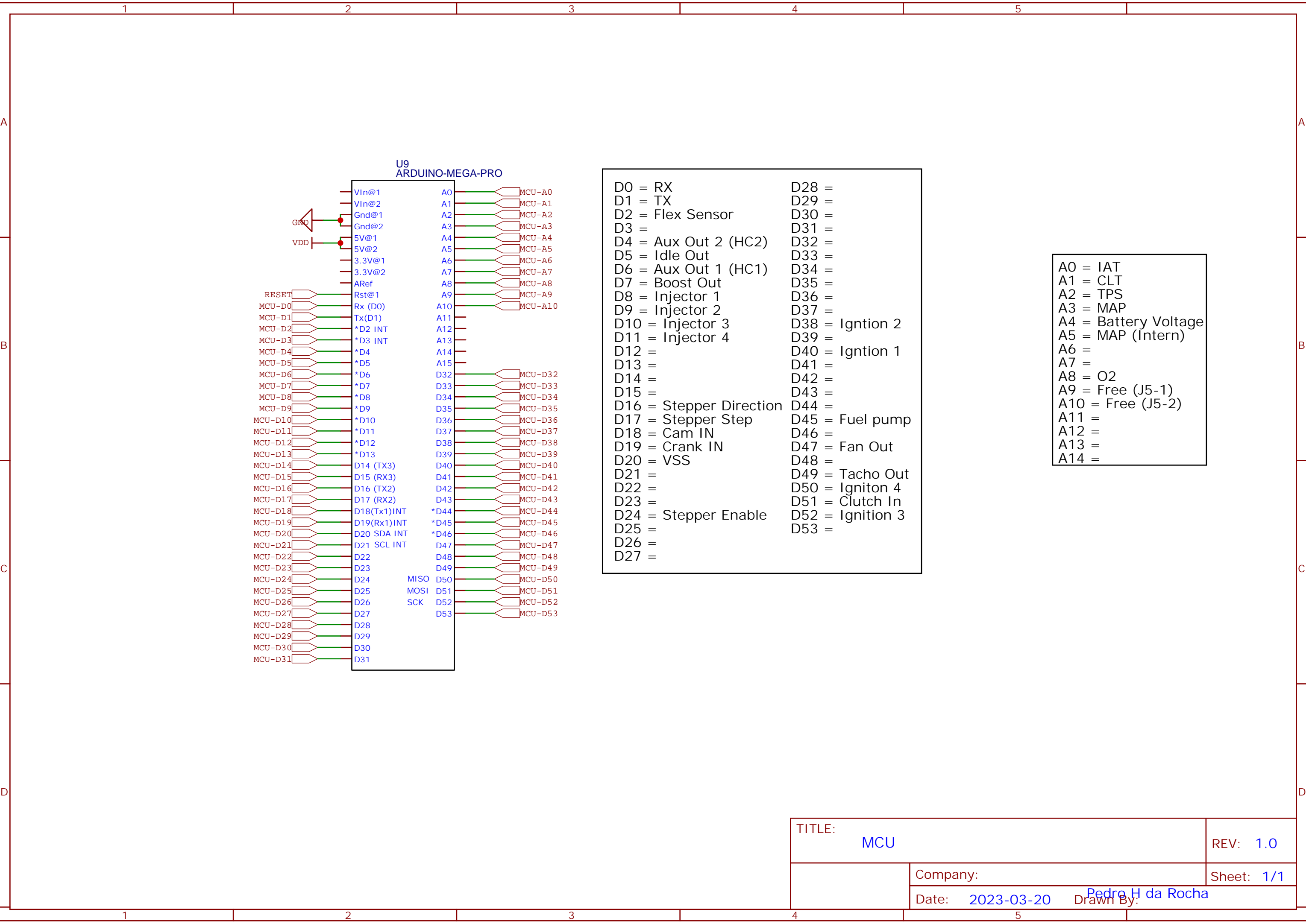
### Reset Protection

Refer AVR040 Application Note



Originally designed by Josh Stewart. PCB redesigned by Pedro H. Teles da Rocha

TITLE: Power		REV: 1.0
	Company:	Sheet: 1/1
	Date: 2023-03-20	Drawn By: Pedro H da Rocha

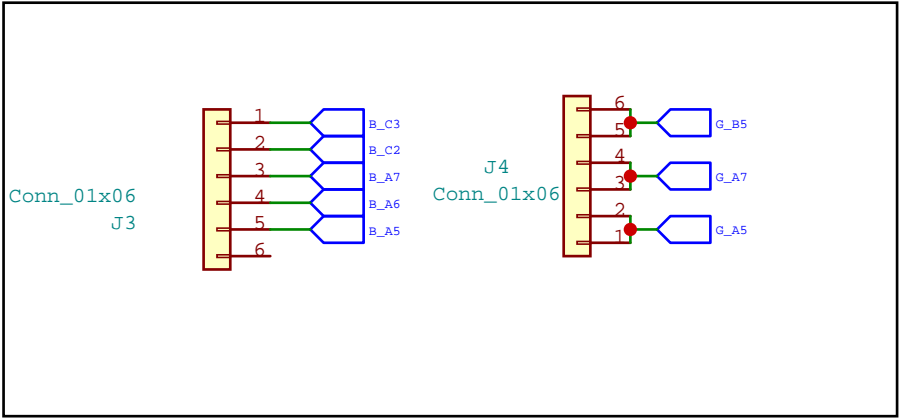


D0 = RX  
D1 = TX  
D2 = Flex Sensor  
D3 =  
D4 = Aux Out 2 (HC2)  
D5 = Idle Out  
D6 = Aux Out 1 (HC1)  
D7 = Boost Out  
D8 = Injector 1  
D9 = Injector 2  
D10 = Injector 3  
D11 = Injector 4  
D12 =  
D13 =  
D14 =  
D15 =  
D16 = Stepper Direction  
D17 = Stepper Step  
D18 = Cam IN  
D19 = Crank IN  
D20 = VSS  
D21 =  
D22 =  
D23 =  
D24 = Stepper Enable  
D25 =  
D26 =  
D27 =

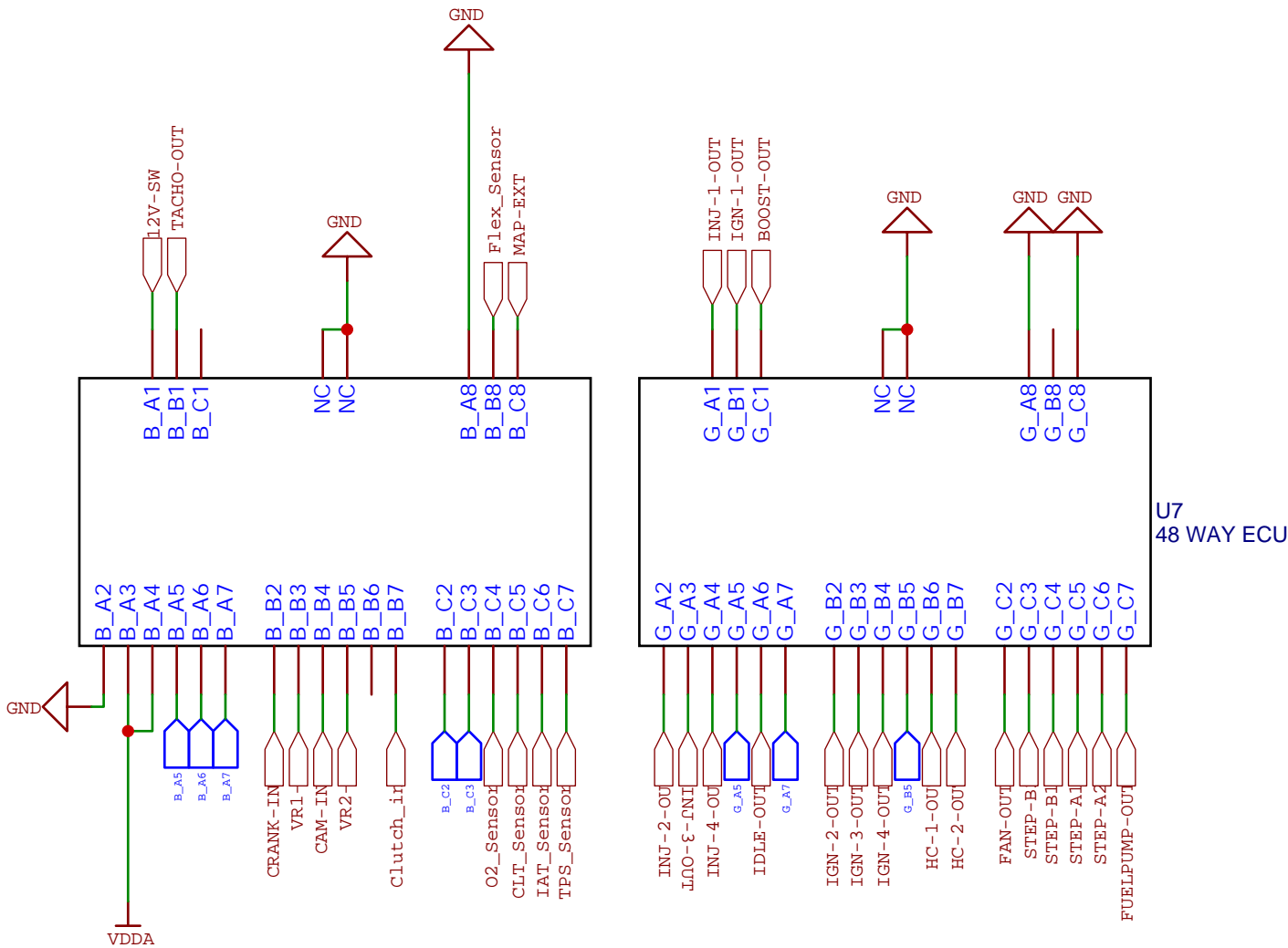
D28 =  
D29 =  
D30 =  
D31 =  
D32 =  
D33 =  
D34 =  
D35 =  
D36 =  
D37 =  
D38 = Ignition 2  
D39 =  
D40 = Ignition 1  
D41 =  
D42 =  
D43 =  
D44 =  
D45 = Fuel pump  
D46 =  
D47 = Fan Out  
D48 =  
D49 = Tacho Out  
D50 = Ignition 4  
D51 = Clutch In  
D52 = Ignition 3  
D53 =

A0 = IAT  
A1 = CLT  
A2 = TPS  
A3 = MAP  
A4 = Battery Voltage  
A5 = MAP (Intern)  
A6 =  
A7 =  
A8 = O2  
A9 = Free (J5-1)  
A10 = Free (J5-2)  
A11 =  
A12 =  
A13 =  
A14 =

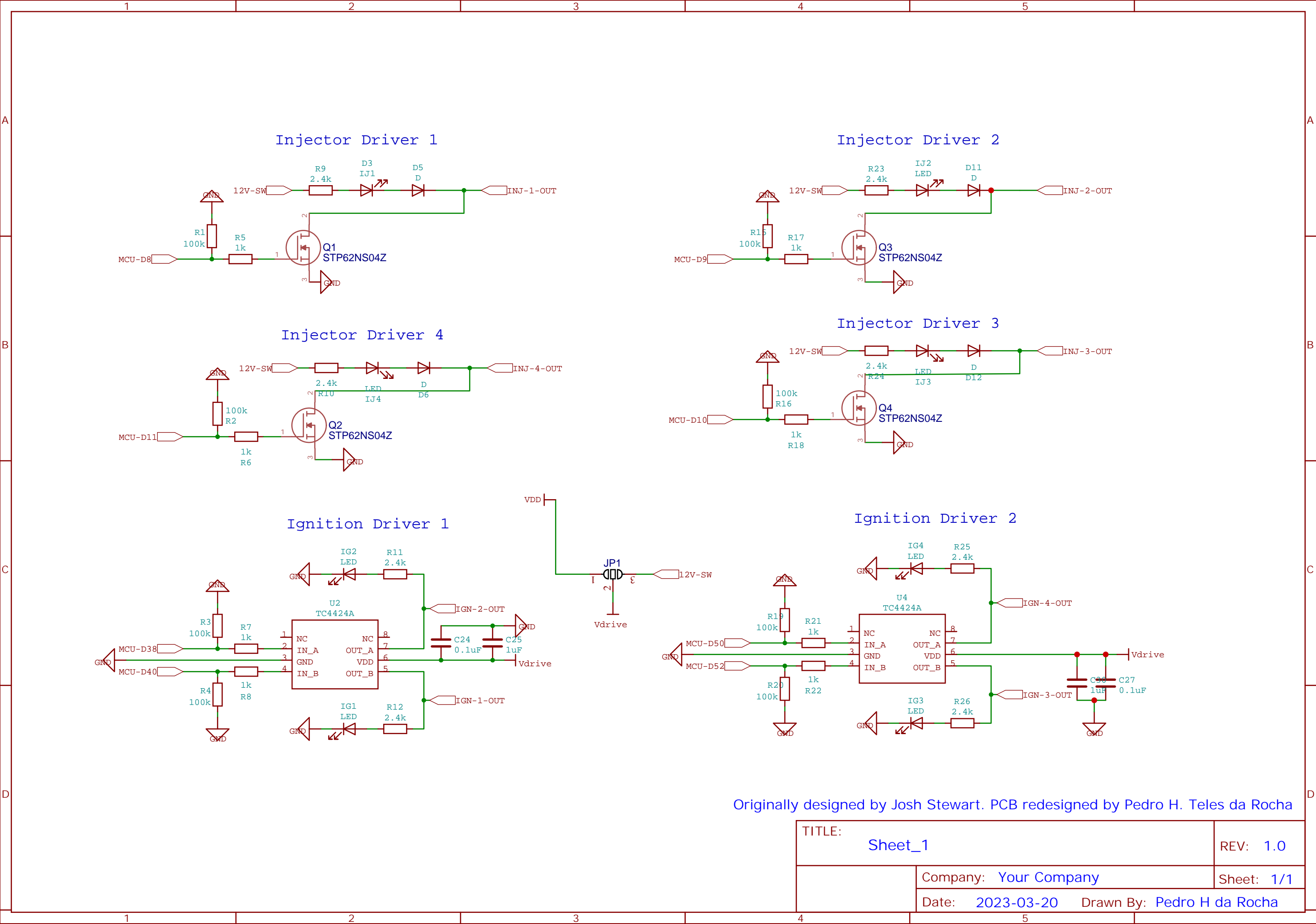
Desacoplamento AC P/ sa í da 5V sensores

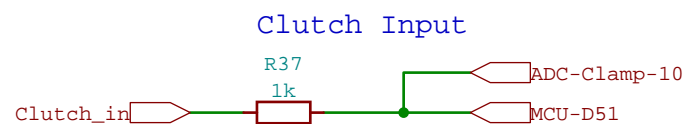
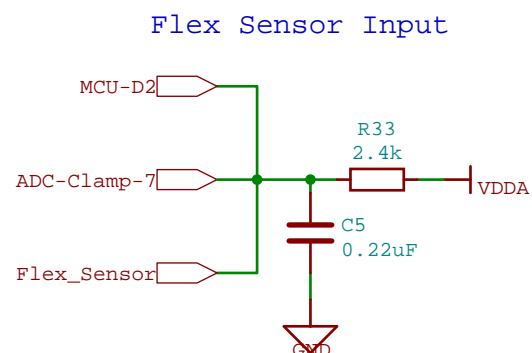
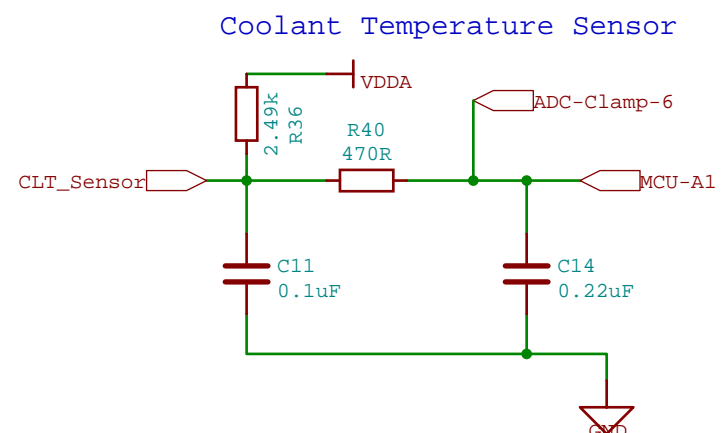
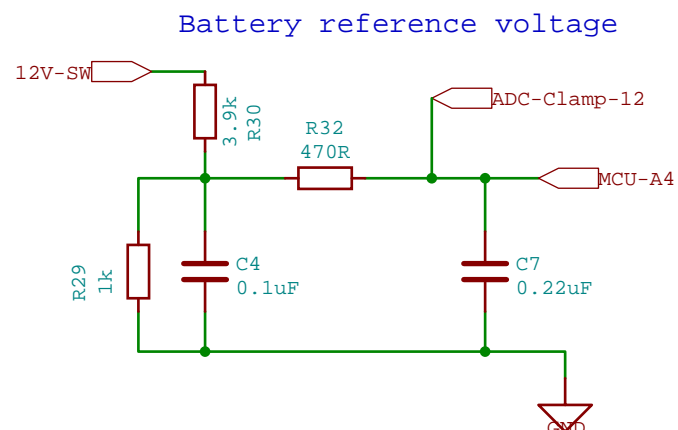
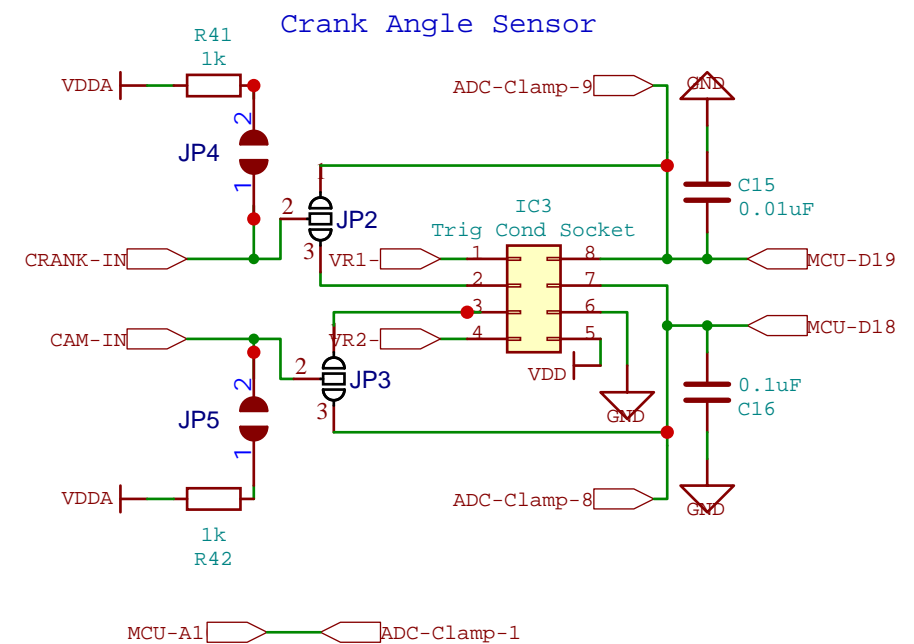
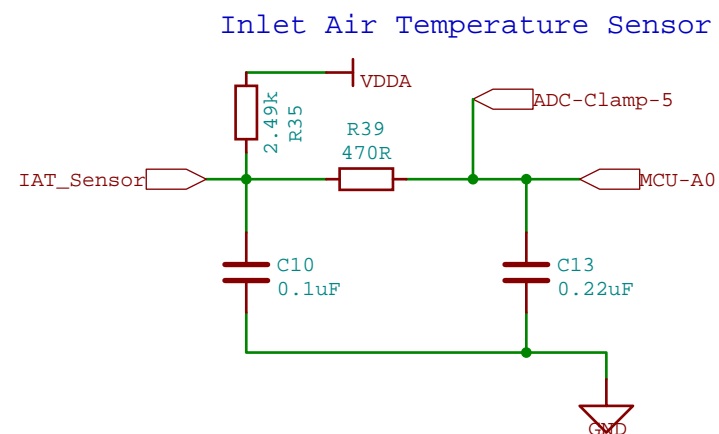
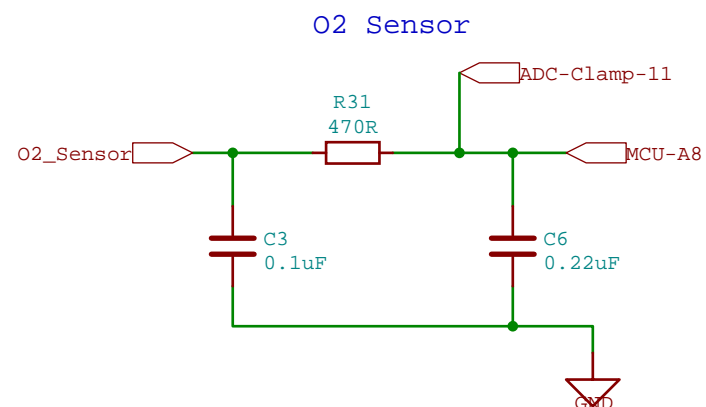
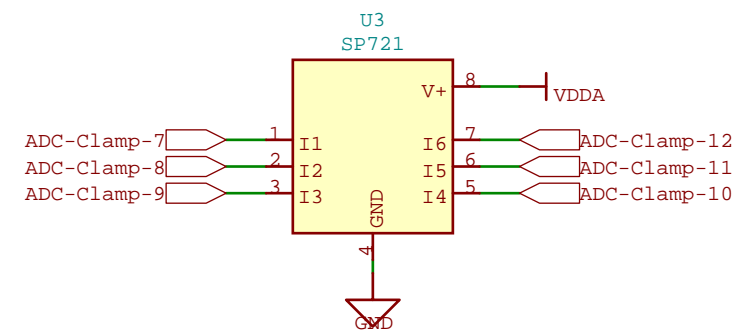
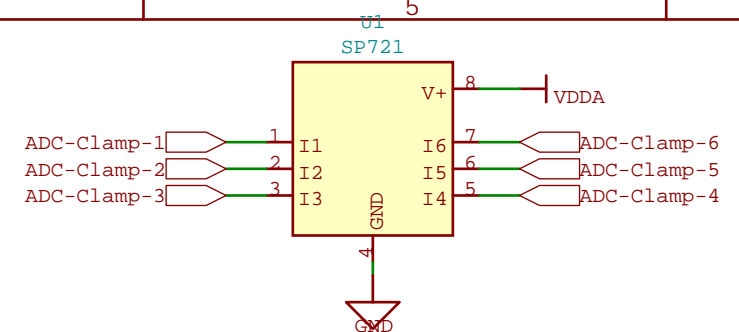
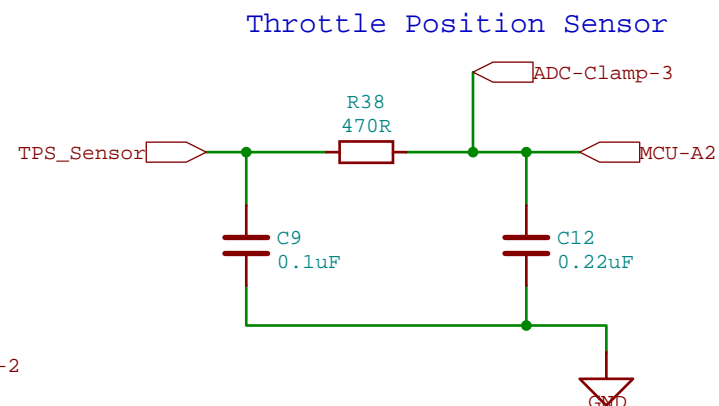
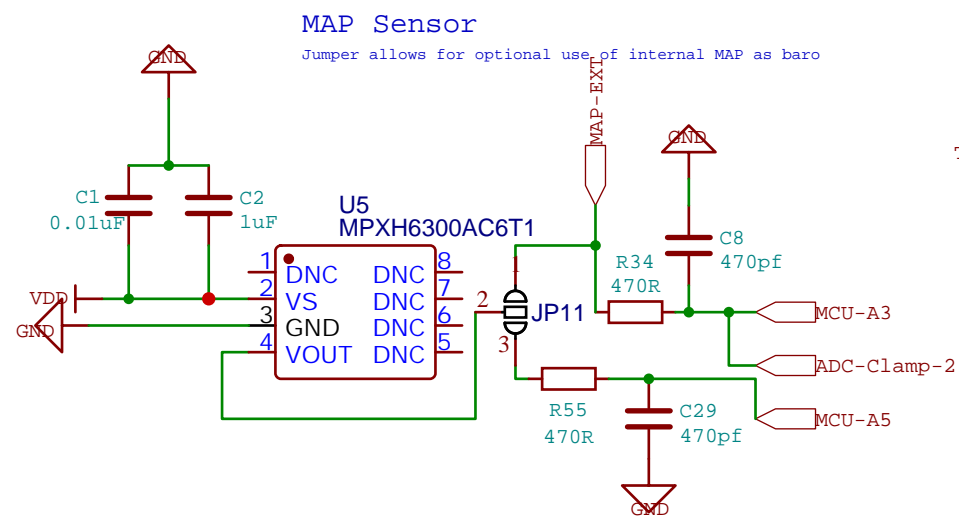


Conex õ es sobressalentes na placa conectadas ao conector da sa í da, para prototipagem ou expans ã o de I/O



TITLE: Connector		REV: 1.0
	Company:	Sheet: 1/1
	Date: 2023-03-20 Drawn By: Pedro H da Rocha	





Originally designed by Josh Stewart. PCB redesigned by Pedro H. Teles da Rocha

TITLE: Inputs		REV: 1.0
	Company: Your Company	Sheet: 1/1
	Date: 2023-03-20 Drawn By: Pedro H da Rocha	