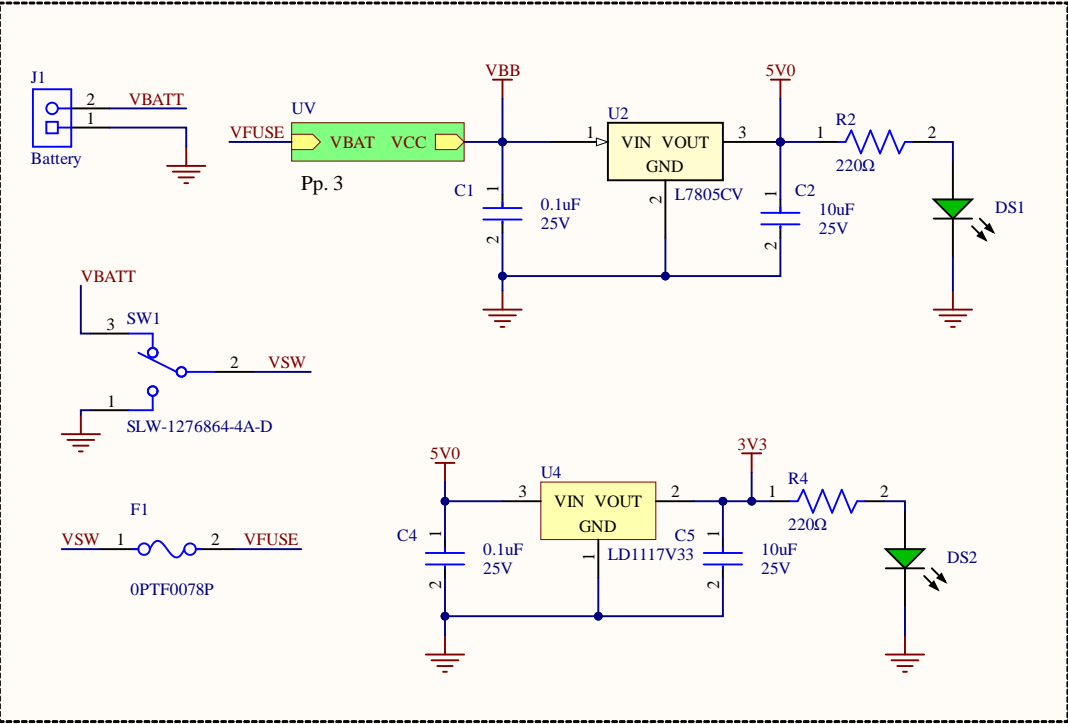
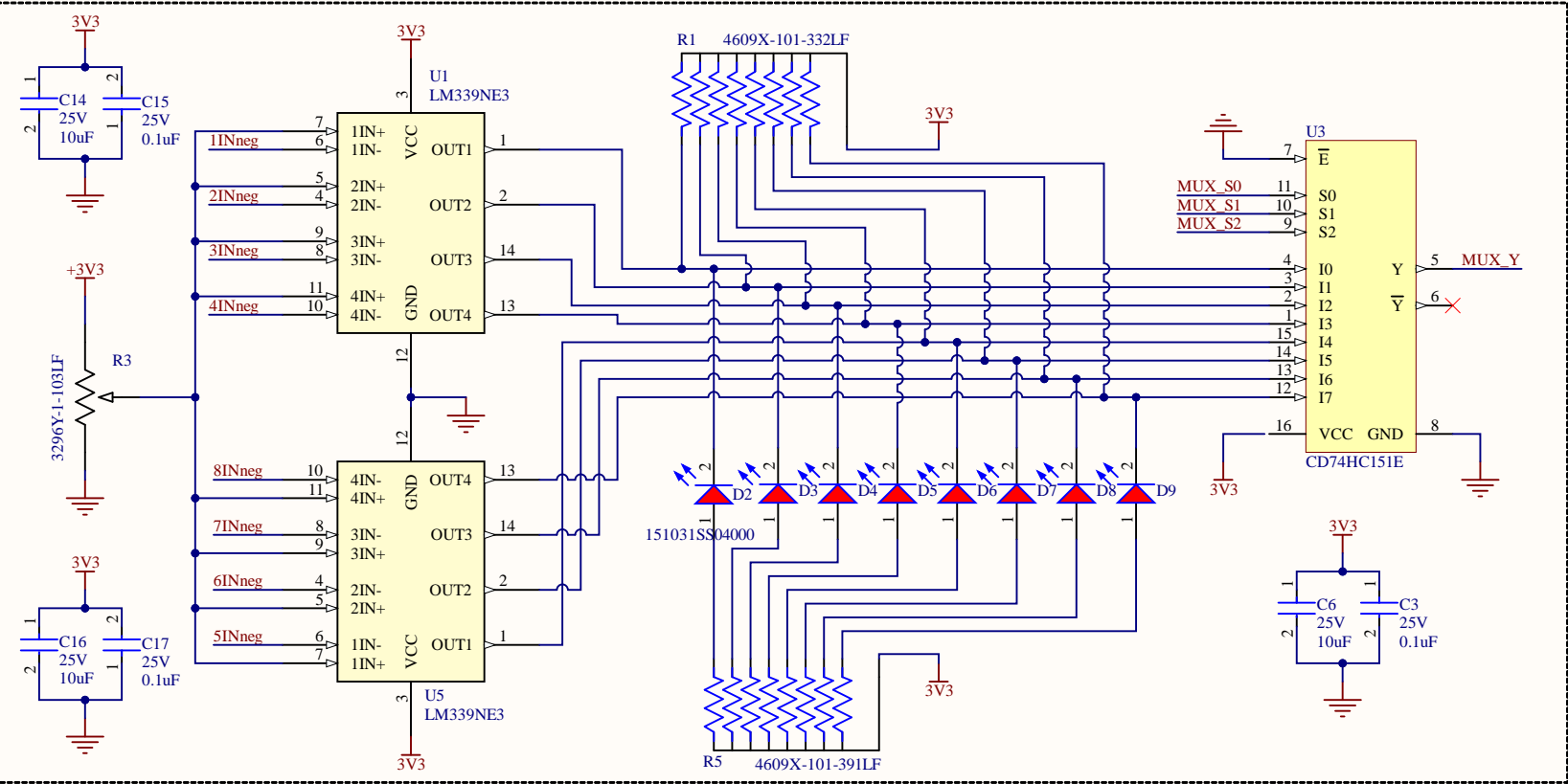


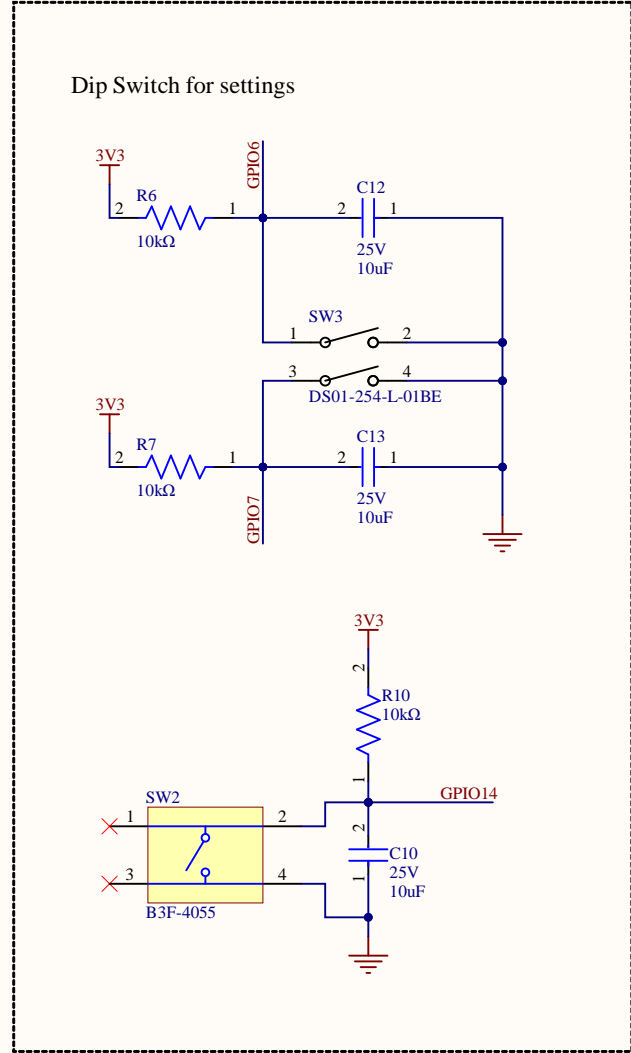
POWER



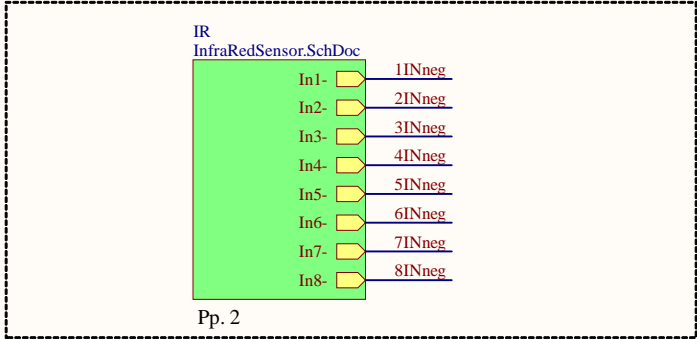
IR COMPARATOR AND MUX



GPIO

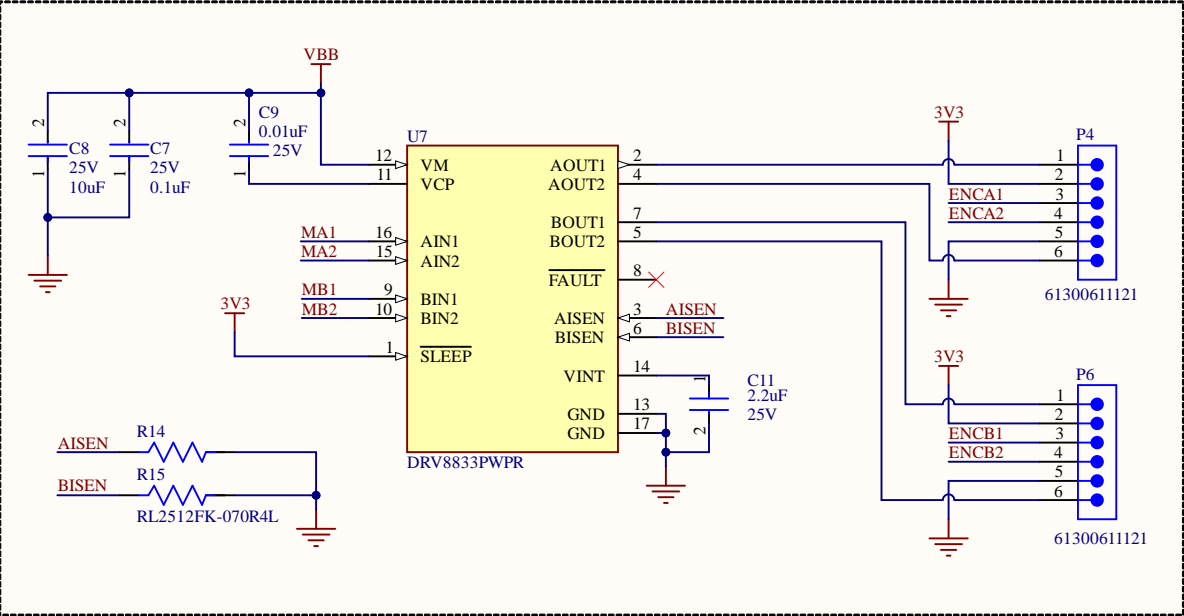


IR SENSORS

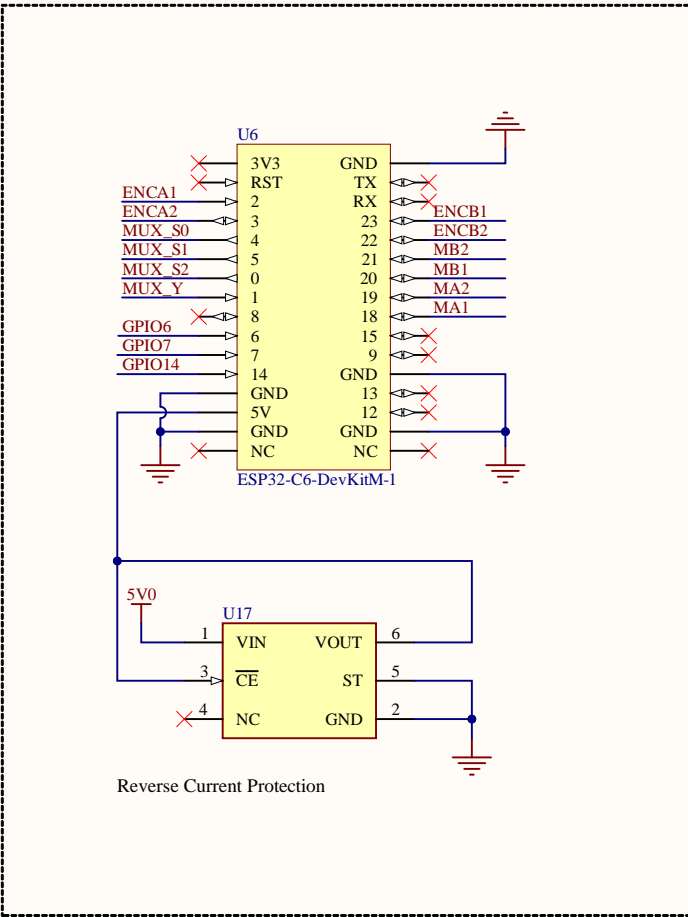


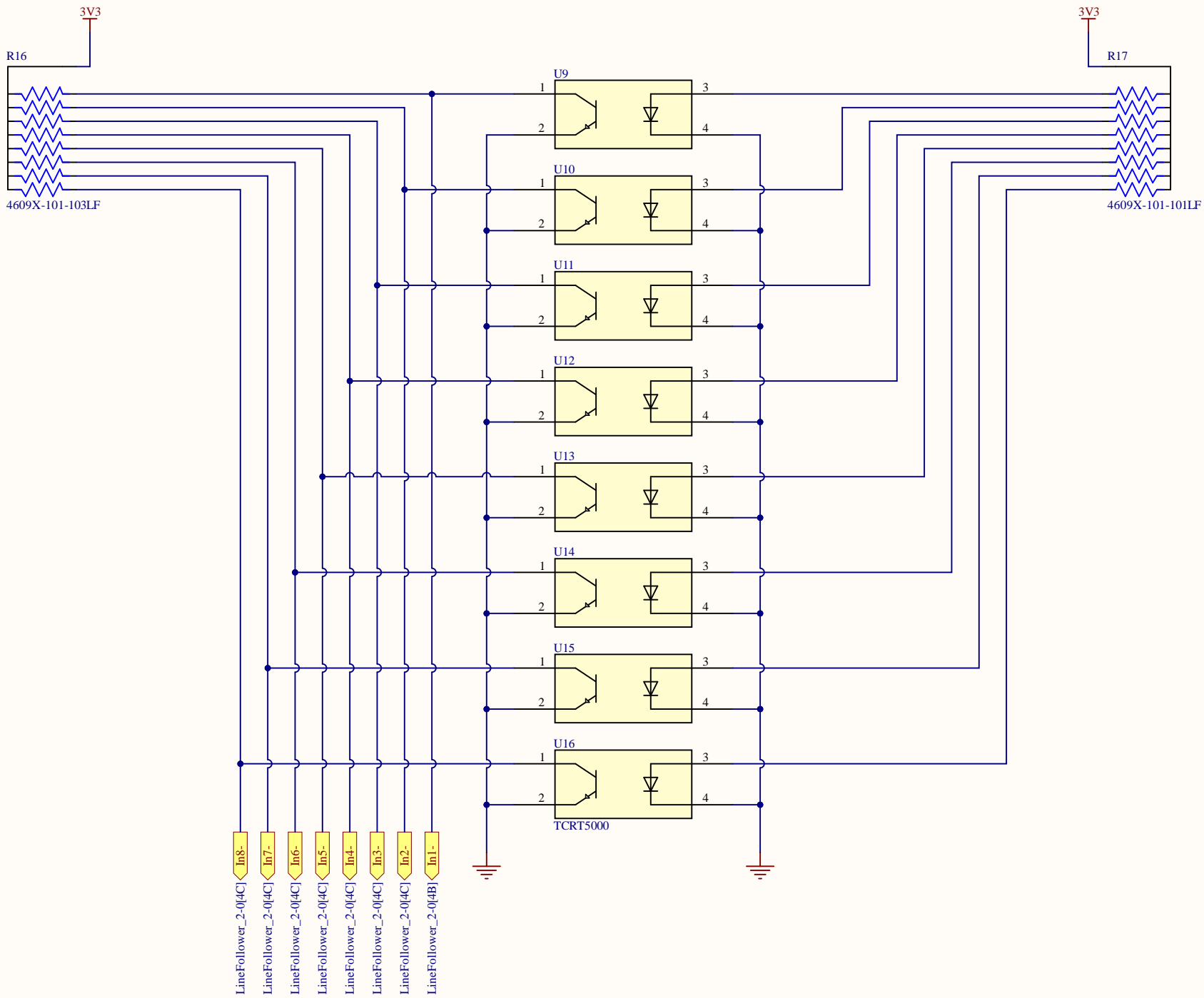
Pin	Use	Pin	Use
3V3	NC	GND	GND
RST	NC	TX	NC
IO2	ENCA1	RX	NC
IO3	ENCA2	IO23	ENCB1
IO4	MUX_S0	IO22	ENCB2
IO5	MUX_S1	IO21	MB2
IO0	MUX_S2	IO20	MB1
IO1	MUX_Y	IO19	MA2
IO8	GPIO8	IO18	MA1
IO6	GPIO6	IO15	NC
IO7	GPIO7	IO9	NC
IO14	GPIO14	GND	GND
GND	GND	IO13	NC
5V	VUSB	IO12	NC
GND	GND	GND	GND

MOTORS

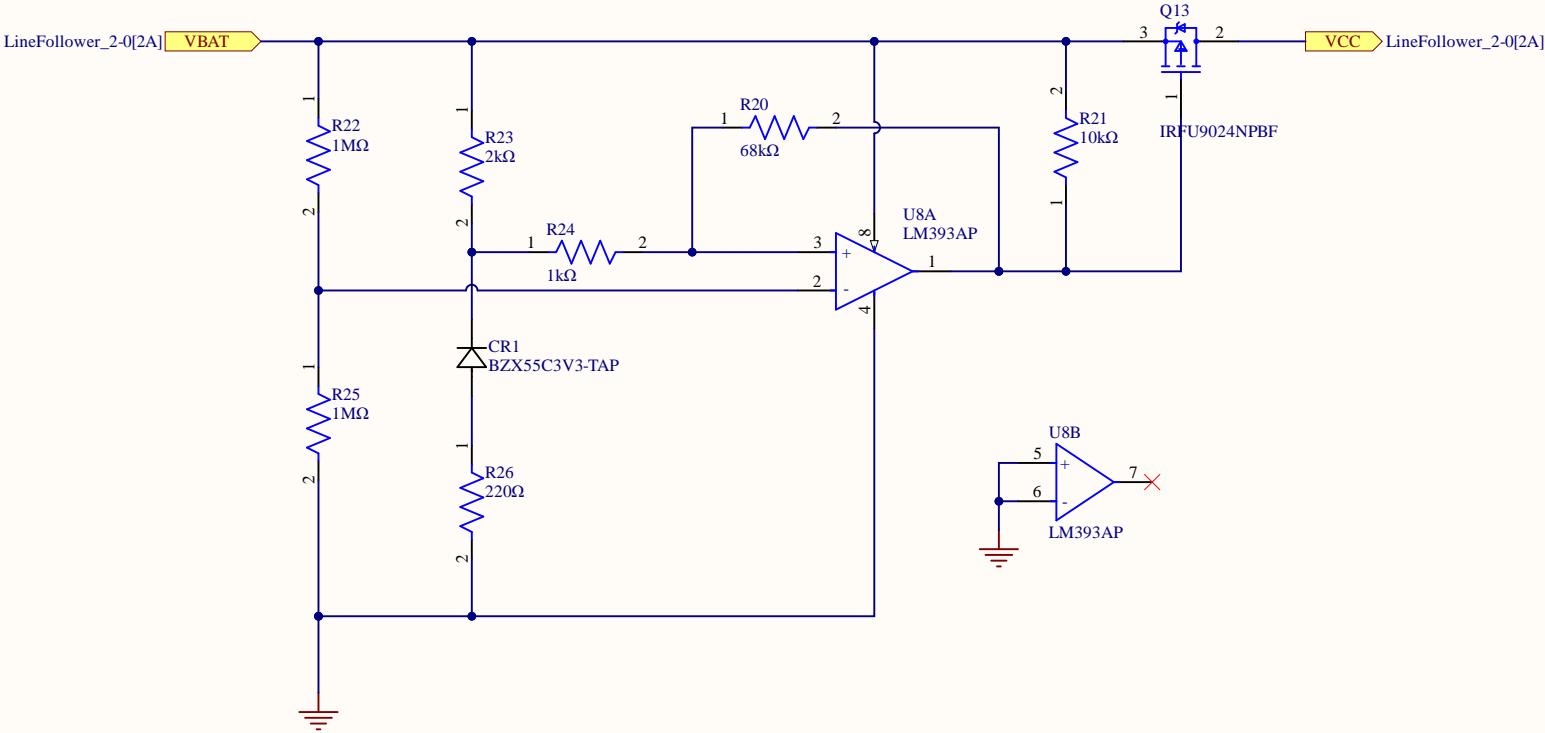


MCU





Title		
Infra-red sensor		
Size	Number	Revision
A3	2	3
Date:	9/03/2025	Sheet 2 of 3
File:	C:\Users\...\InfraRedSensor.SchDoc	Drawn By: Roberto Grajales R



Title		
Undervoltage protection		
Size	Number	Revision
A3	3	2
Date:	9/03/2025	Sheet 3 of 3
File:	C:\Users\...\UnderVProtection_1-0.SchDoc Drawn By: Roberto Grajales R	