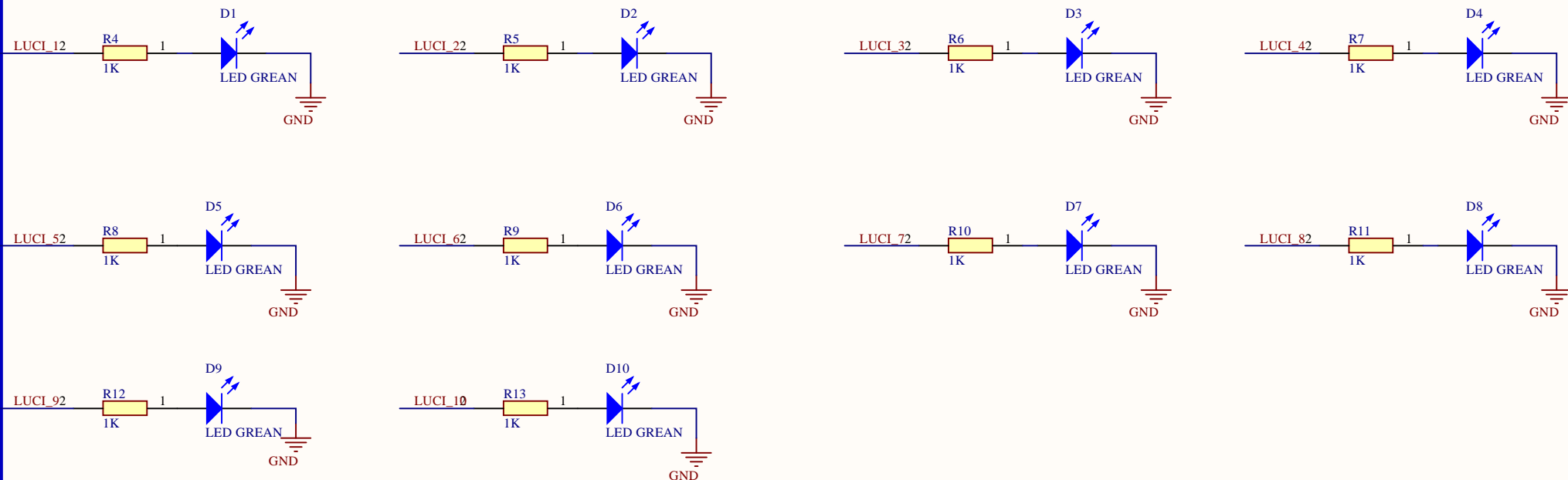
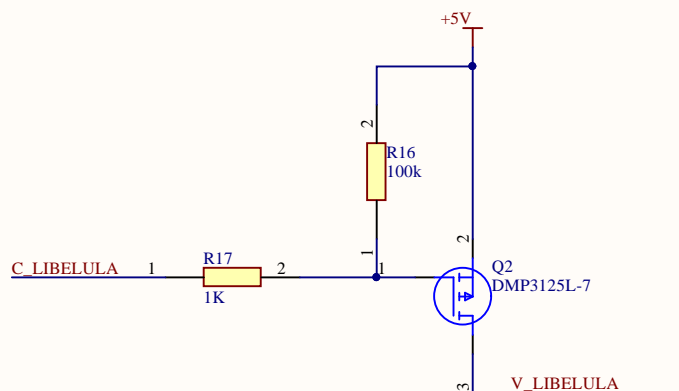


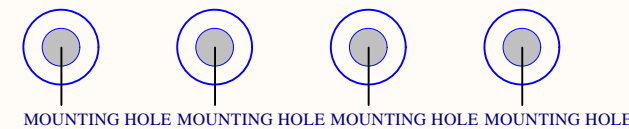
## LEDs FIREFLIES



## DRAGONFLY POWER

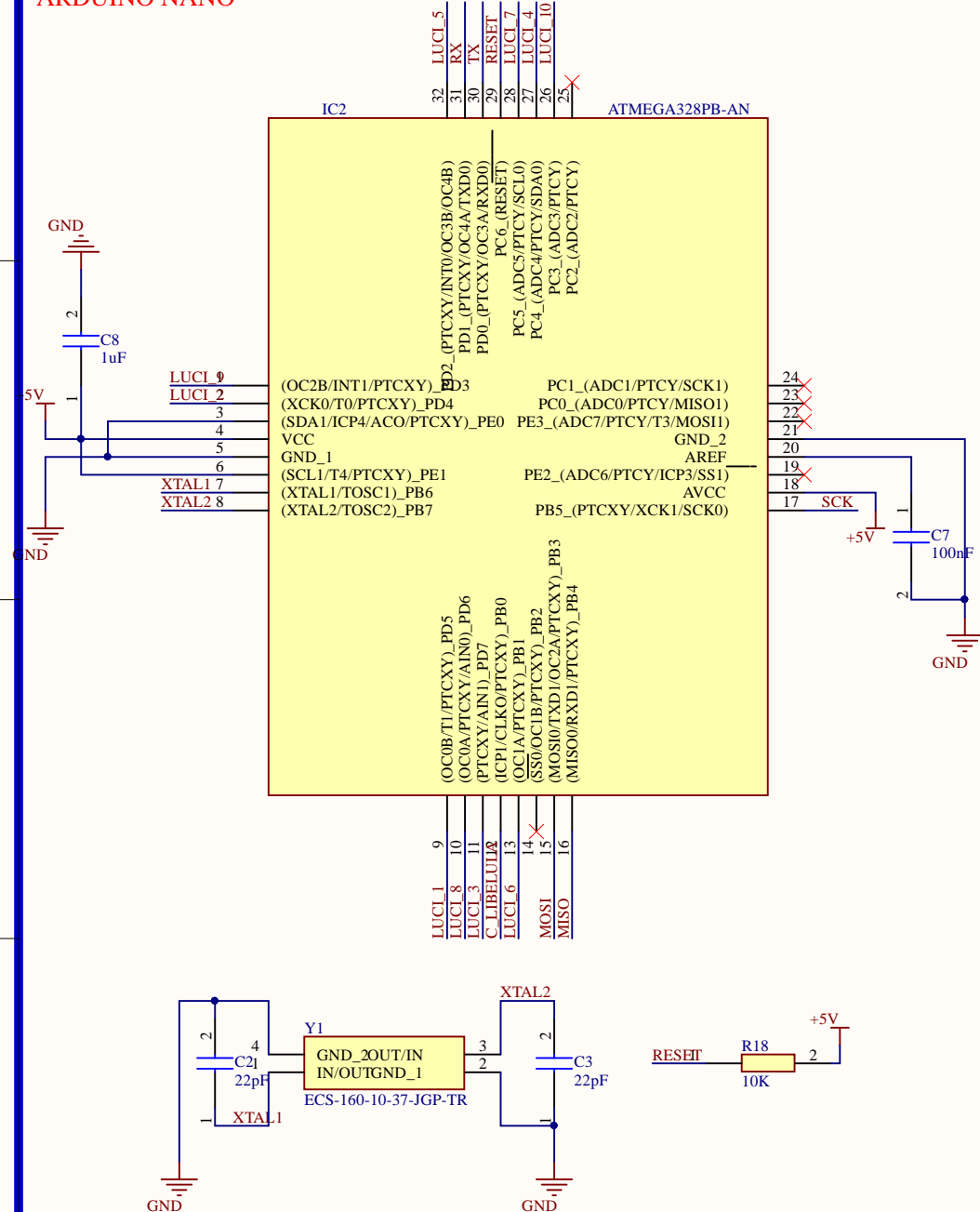


## MOUNTING HOLES

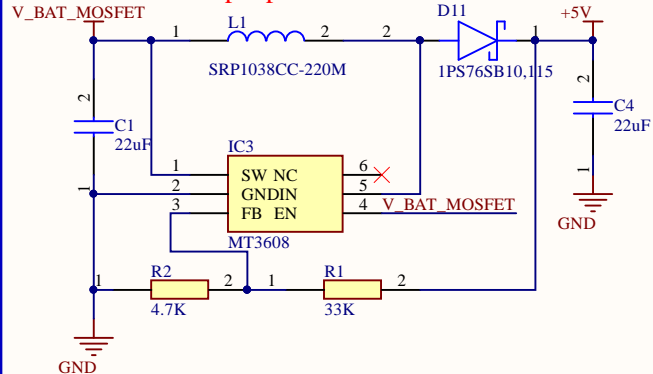


Title PCB FIREFLAYS		
Size A4	Number	Revision
Date: 11/07/2024	Sheet 2of 2	
File: D:\Users\...\Sheet7.SchDoc	Drawn By: Jorge Luis Bustos Armas	

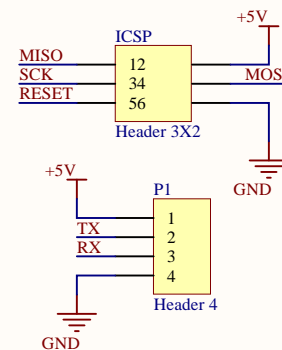
# ARDUINO NANO



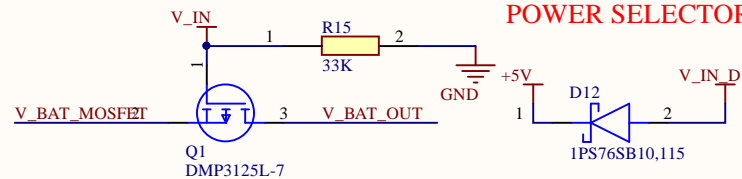
## Step Up Converter



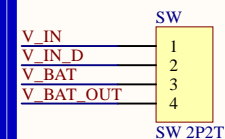
## COMUNICATION



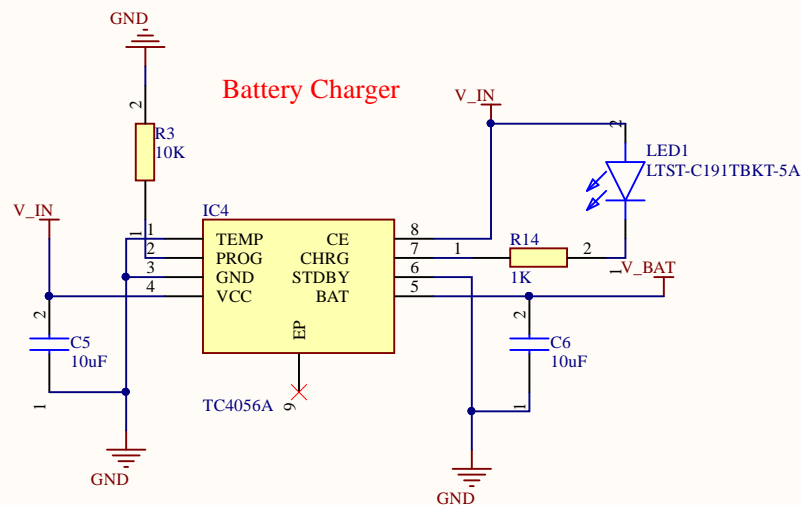
## POWER SELECTOR



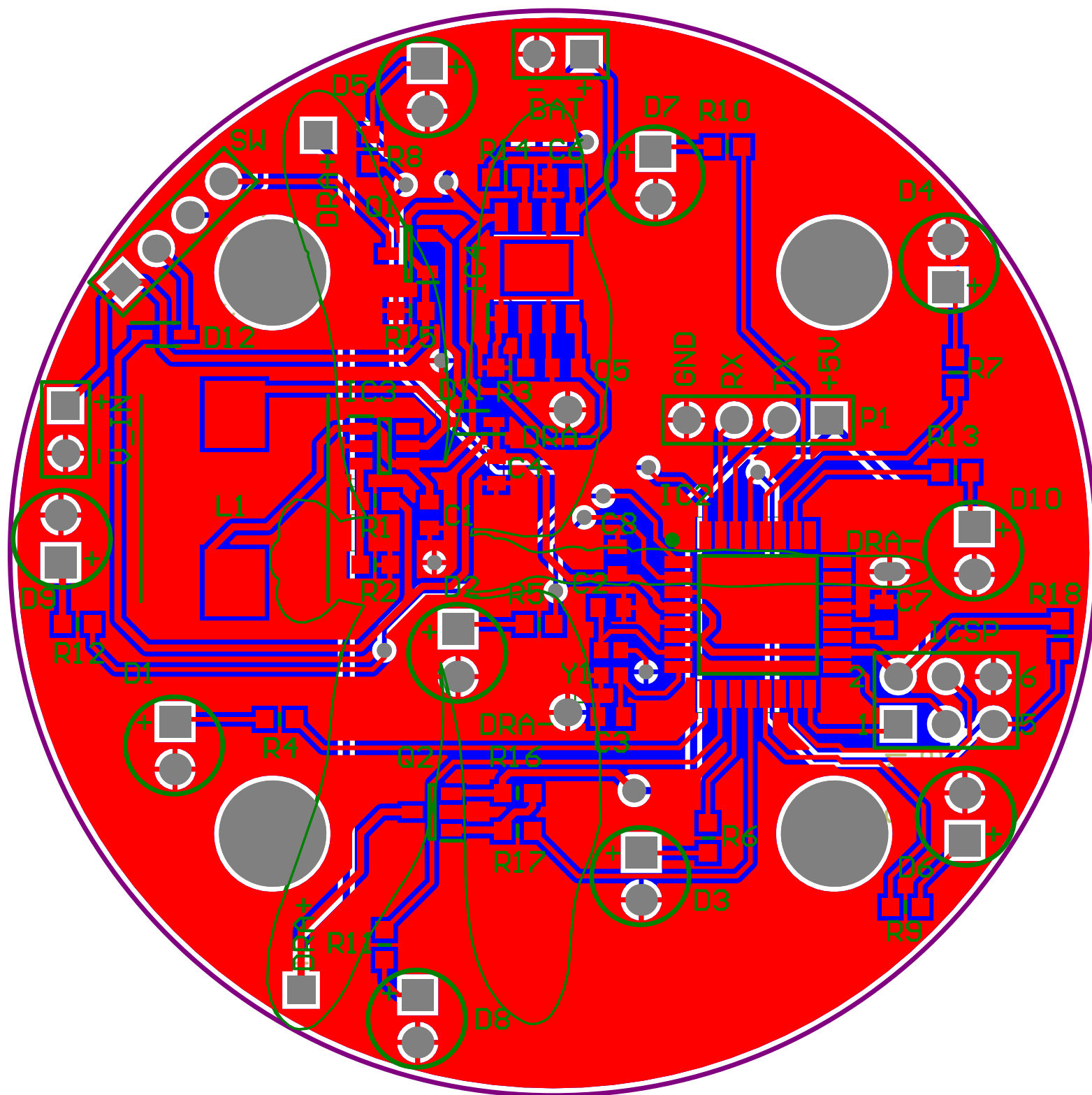
## CONNECTORS



## Battery Charger



Title			
PCB FIREFLAYS			
Size	Number		Revision
A4			
Date:	11/07/2024	Sheet 1 of 2	
File:	D:\Users\...Sheet8.SchDoc	Drawn By:	Jorge Luis Bustos Armas



Comment	Description	Designator	Quantity
Battery	Li-Po battery 400 mAh	BAT	1
22uF	Capacitor	C1, C4	2
22pF	Capacitor	C2, C3	2
10uF	Capacitor	C5, C6	2
100nF	Capacitor	C7	1
1uF	Capacitor	C8	1
LED GREAN	Typical GREAN LED	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10	10
1PS76SB10,115	Schottky Diode	D11, D12	2
ATMEGA328PB-AN	Integrated Circuit	IC2	1
MT3608	Integrated Circuit	IC3	1
TC4056A	Integrated Circuit	IC4	1
SRP1038CC-220M	Inductor	L1	1
LTST-C191TBKT-5A	LED	LED1	1
DMP3125L-7	MOSFET (P-Channel)	Q1, Q2	2
33K	Resistor	R1, R15	2
4.7K	Resistor	R2	1
10K	Resistor	R3, R18	2
1K	Resistor	R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R17	12
100k	Resistor	R16	1
SW 2P2T	SWITCH, 2 POLES 2 THROWS	SW	1
Type C female connector	USB Type C 2 Pins Connector Jack Female Type-C 3A 30V Oval with Wire Current Fast Charging Jacker Port USB-C Charger Plug Socket	V_IN	1
ECS-160-10-37-JGP-TR	Crystal or Oscillator	Y1	1