Technical Documentation Avionics Bay
Elpis MK IIb
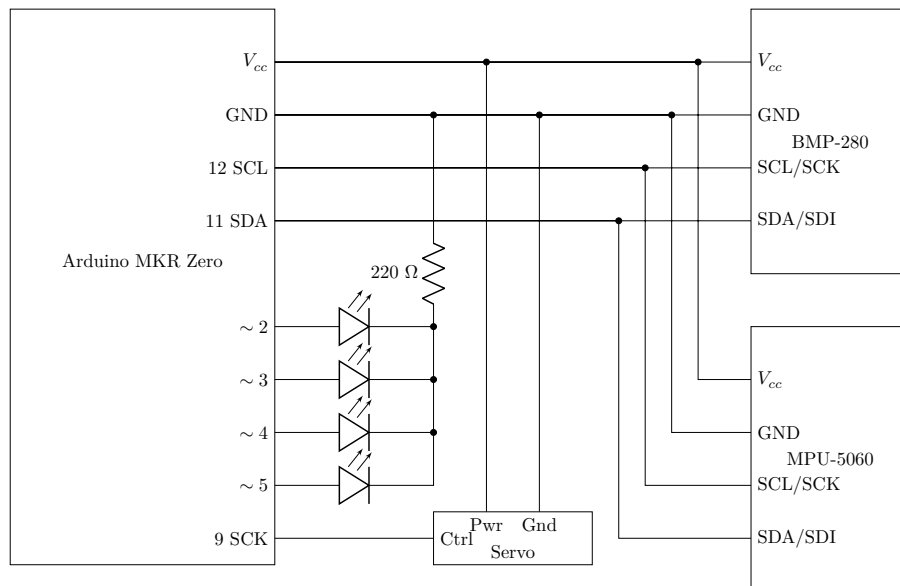
Mytikas

Hardware

Components

Microcontroller	Arduino MKR Zero
Barometer	BMP 280
Accelerometer	MPU 5060
Servo	

Circuit diagram

Pinmap

Printed name	Compiler name	Variable name	Use
V_{cc}	n/a	n/a	Power supply voltage
GND	n/a	n/a	Ground
12 SCL	n/a	n/a	Clock signal for I^{2}C
11 SDA	n/a	n/a	Data signal for I^{2}C
9 SCK	9	SERVO_PIN	Signal for parachute servo
$\sim$ 2	2	LED_PIN	Status LED
$\sim$ 3	3	ERROR_LED_PIN	Error LED
$\sim$ 4	4	LAUNCH_LED_PIN	Launch LED
$\sim$ 5	5	CARD_LED_PIN	Card LED

Software