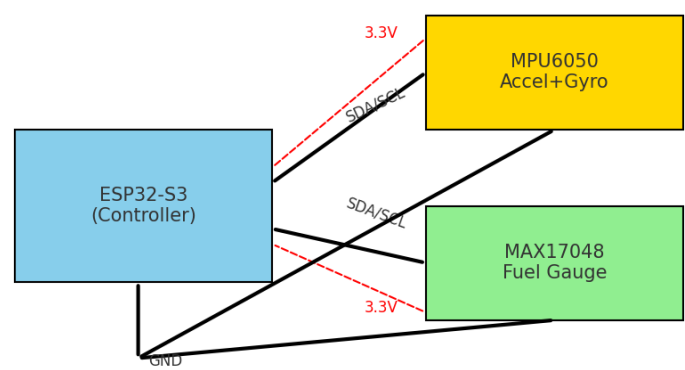


# Tomo Pendant Hardware Reference

## Schematic Overview:



## Pin Mapping Table:

Function	ESP32-S3 Pin	Connected To
I2C SDA	GPIO 8	MPU6050 SDA, MAX17048 SDA
I2C SCL	GPIO 9	MPU6050 SCL, MAX17048 SCL
Power 3.3V	3V3	VCC of MPU6050 + MAX17048
Ground	GND	GND of MPU6050 + MAX17048
Emergency Button	GPIO 0 (example)	Button input (active low w/ pull-up)
Buzzer / Vibration	GPIO 10 (example)	Driver transistor for buzzer/motor
Battery sense (optional)	GPIO 1 (ADC)	Battery divider (if needed)
Microphone (future)	GPIO 4,5,6 (I2S)	ICS-43434 / SPH0645 MEMS mic