RoboCore-32 Block Diagram

- **Barrel Jack Power Input**
- **FT232RL (USB-UART)**
- **LM2596S-5 5V Regulator**
- 12V
- Flash Firmware
- **ESP32-WROOM-32 (MCU)**
- **AMS1117-3.3 3.3V Regulator**
- **TB6612FNG Motor Driver**
- **Motors (2x DC)**
- PWM Signal
- Sensor Data
- **I2C/Sensor Expansion**