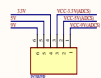


RESET PART



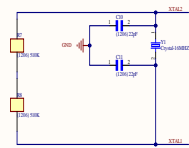
Power PART



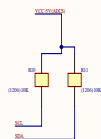
Burn PART



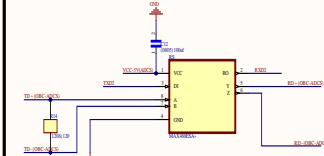
VCC & VREF PART



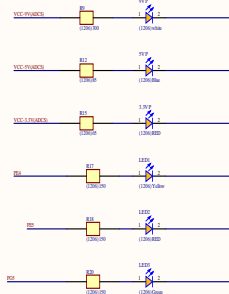
Crystal Part



I2C Pull-Up Resistor Part



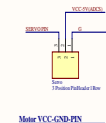
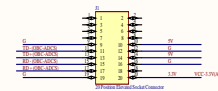
UART2-MAX488 Part



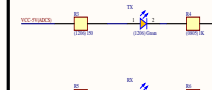
Test & Power LEDs



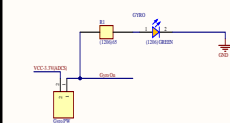
Micro-Controller Part



Motor VCC-GND-PIN



TX & RX LEDs



Gyro Sensor



EUTS & Signal Part

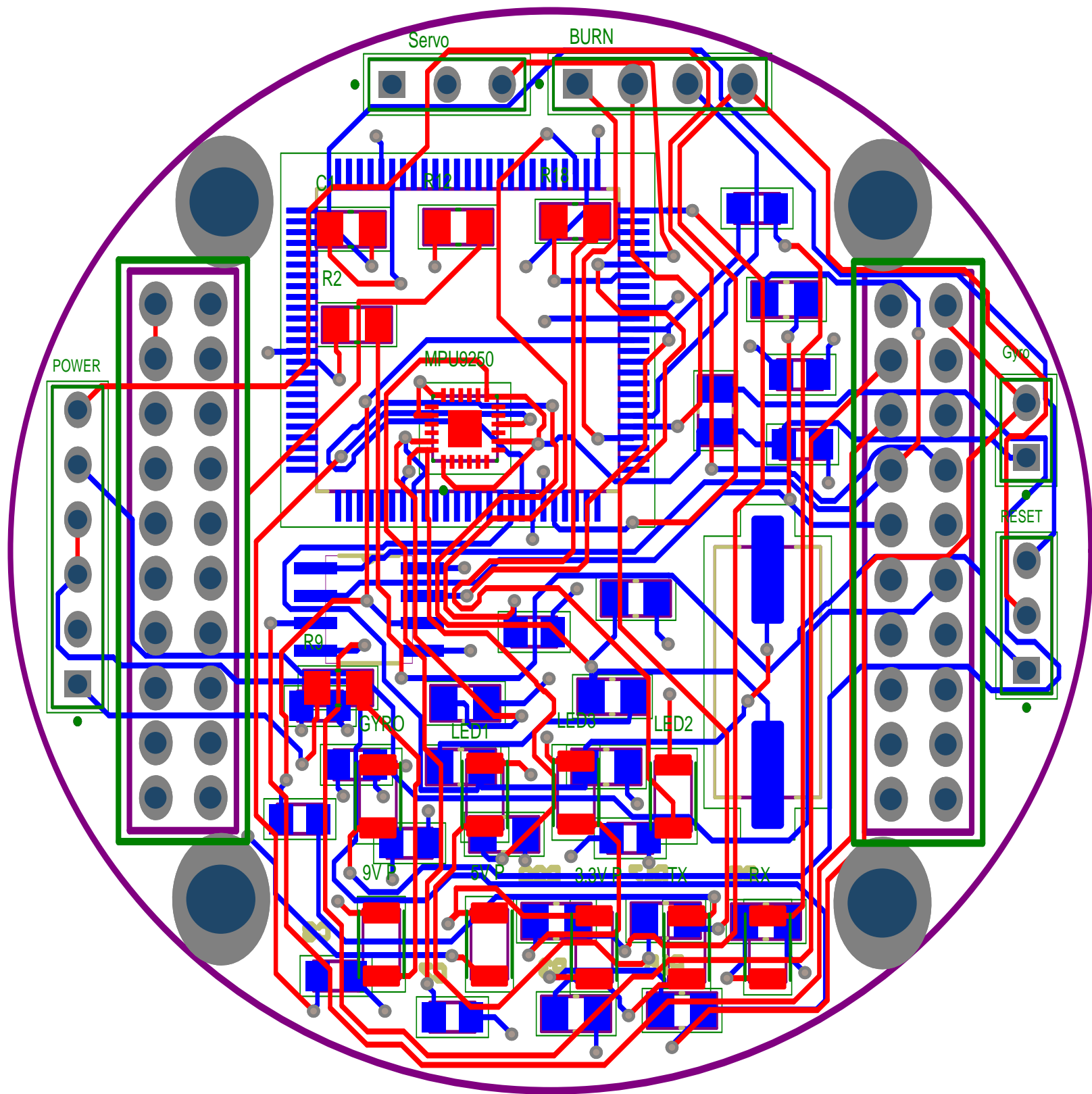
LM35 Temperature Sensor

Current & Voltage Sensor

DC Input & 5V Regulator Part

3.3V Regulator Part

Rev		
Rev	Rev	Rev
Rev	Rev	Rev
Rev	Rev	Rev



Comment	Description	Designator	Footprint	LibRef	Quantity
(1206) RED	LED SMD 1206 High Quality Forward Voltage: 3.2 V Brightness: 700 mcd	3.3V P, LED2	RESC3015X65-01	LED 1206	2
(1206) Blue	LED SMD 1206 High Quality Forward Voltage: 3.2 V Brightness: 700 mcd	5V P, RX	RESC3015X65-01	LED 1206	2
(1206) white	LED SMD 1206 High Quality Forward Voltage: 3.2 V Brightness: 700 mcd	9V P	RESC3015X65-01	LED 1206	1
		Atmega1	QFP50P1600X1600X120-100N	ATMEGA2560-16AU	1
4 Position PinHeader 1Row	Conn Unshrouded Header HDR4 POS 2.54mm Solder ST Thru-Hole Bag/Box	BURN	TE_3-644456-4	4 Position PinHeader 1Row	1
(1206) 22pF	UMF316B7103KFFH71 206 Capacitor	C1, C10, C11	CAPC3216X125N0	Capacitor 1206	3
(0805) 100nF	UMK212SD103KD-T/CAP CER 10000PF 50V 0805	C2, C3, C4, C5, C7, C8, C9, C12	CAPC2012X95N-0	Capacitor 0805	8
(0805) 10nF	UMK212SD103KD-T/CAP CER 10000PF 50V 0805	C6	CAPC2012X95N-0	Capacitor 0805	1
2 Position PinHeader	Cabezal del conector Agujero pasante 2 posiciones 0,100 (2,54 mm)	Gyro PW	TE_2-103327-2	2 Position PinHeader	1
(1206) GREEN	LED SMD 1206 High Quality Forward Voltage: 3.2 V Brightness: 700 mcd	GYRO, LED3, TX	RESC3015X65-01	LED 1206	3
20 Position Elevated Socket Connector	20 Position Elevated Socket Connector Through Hole	J1, J2	ESQ-110-XX-X-D	20 Position Elevated Socket Connector	2
(1206) Yellow	LED SMD 1206 High Quality Forward Voltage: 3.2 V Brightness: 700 mcd	LED1	RESC3015X65-01	LED 1206	1
MPU-9250	MPU-9250 series Accelerometer, Gyroscope, Humidity, Magnetometer, Pressure, Temperature Sensor Evaluation Board	MPU9250	QFN40P300X300X105-25N	MPU-9250	1
6 Position PinHeader 1Row	Connector Header Through Hole 6 position 0.100 (2.54mm)	POWER	TE_6-146285-6	6 Position PinHeader 1Row	1
(1206) 65		R1, R15	CAPC3216X125N0	Resistor 1206	2
(1206) 10k		R2, R10, R11	CAPC3216X125N0	Resistor 1206	3
(1206) 150		R3, R17, R18, R20	CAPC3216X125N0	Resistor 1206	4
(0805) 1K		R4, R6	CAPC2012X95N-0	Resistor 0805	2
(1206) 85		R5, R12	CAPC3216X125N0	Resistor 1206	2
(1206) 510K		R7, R8	CAPC3216X125N0	Resistor 1206	2
(1206) 300		R9	CAPC3216X125N0	Resistor 1206	1
(1206) 120		R14	CAPC3216X125N0	Resistor 1206	1
3 Position PinHeader 1Row	Conn Unshrouded Header HDR3 POS 2.54mm Solder ST Thru-Hole Carton	RESET, Servo	TE_3-103327-3	3 Position PinHeader 1Row	2
MAX488ESA+	1/1 Transceiver Full RS422, RS485 8-SOIC	RS	SOIC127P600X175-8N0	MAX488ESA+	1
Crystal-16MHZ		Y1	XTAL1140X490X430N-0	Crystal-16MHZ	1