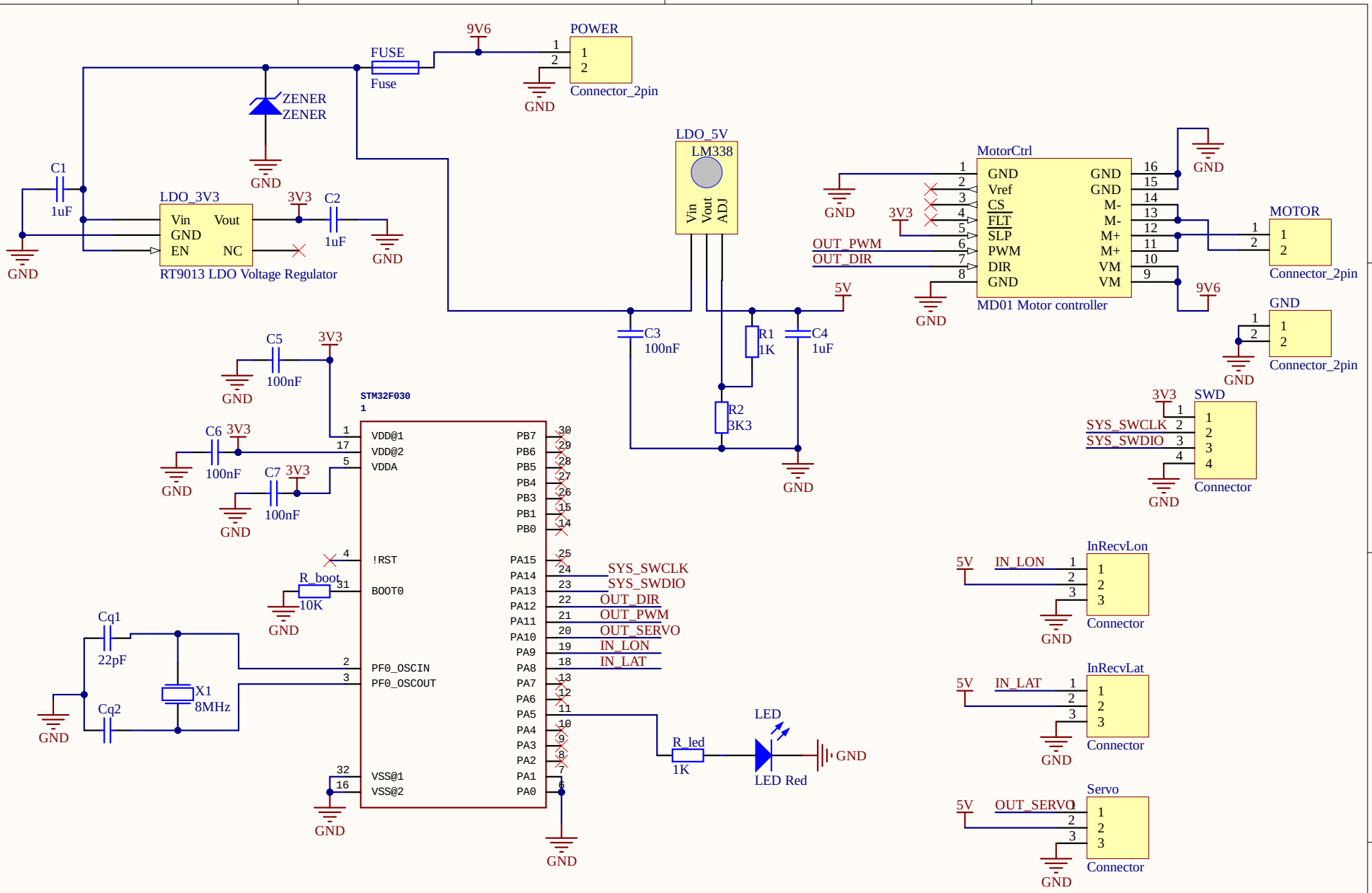

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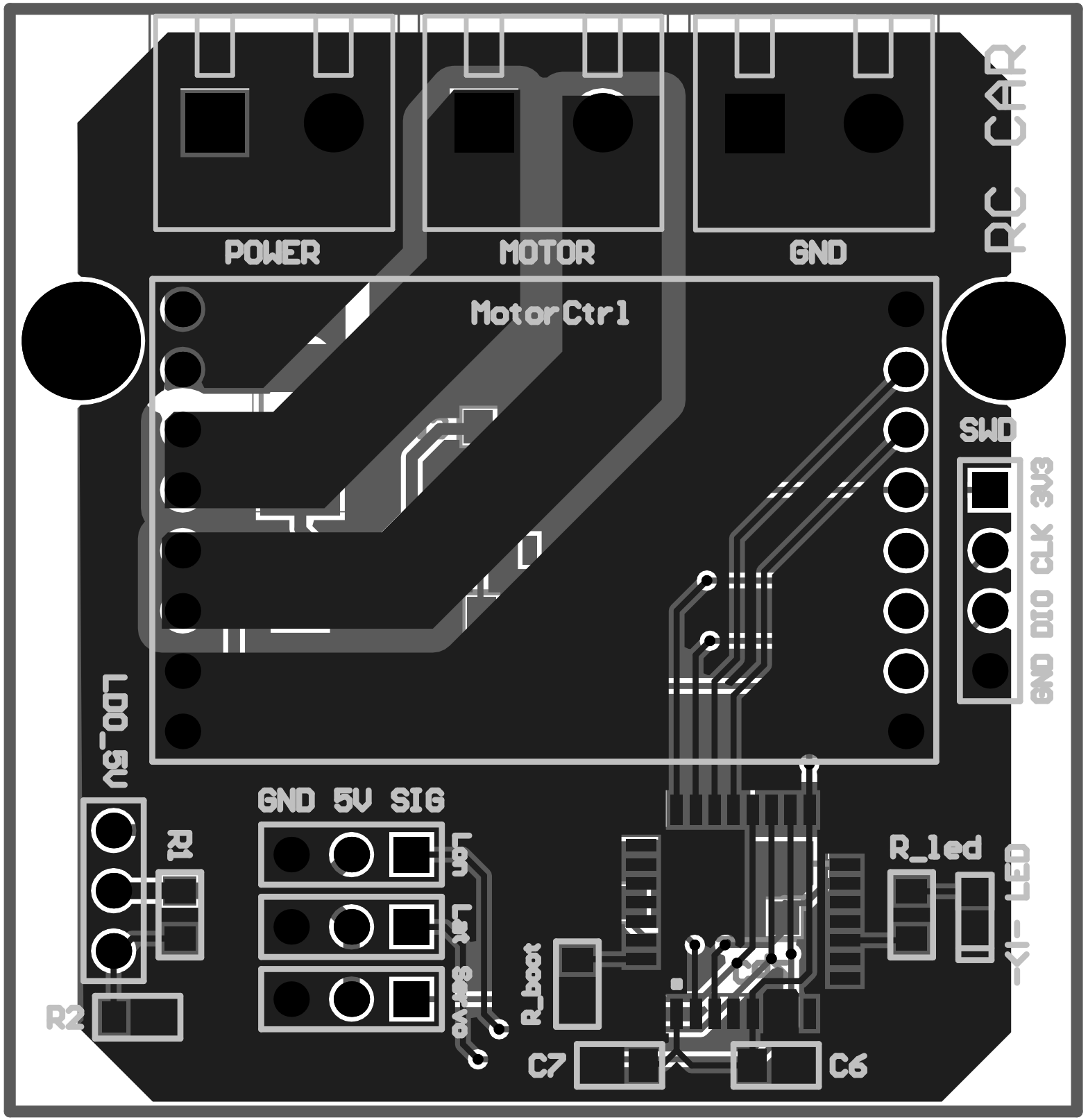
POWER
MOTOR
GND
RC CAR
MotorCtrl
SWD
GND DIO CLK 3V3
LDO_5V
GND 5V SIG
R1
R2
R_boot
R_led
-V- LED
C7
C6

Comment	Description	Designator	Footprint	LibRef	Quantity
STM32F030		1	TQFP32-08	STM32F030	1
1uF	Capacitor	C1, C2, C4	FP_0805_CAP_085	CAP 1uF	3
100nF	Capacitor	C3, C5, C6, C7	FP_0805_CAP_085	CAP 100nF	4
22pF	Capacitor	Cq1	FP_0805_CAP_085	CAP 22pF	1
=Value	Capacitor	Cq2	FP_0805_CAP_085	CAP 22pF	1
Fuse	Fuse	FUSE	FP_1812_MULTIFUSE	Fuse	1
Connector_2pin		GND, MOTOR, POWER	PT_2-5	Connector_2pin	3
Connector	3pin connector	InRecvLat, InRecvLon, Servo	FP_CONN3_TUSKE_254MM	Connector_3pin	3
RT9013 LDO Voltage Regulator	LDO Voltage Regulator	LDO_3V3	RT9013_SOT23	RT9013	1
LM338	Voltage regulator	LDO_5V	LM338	LM338	1
LED Red	Red LED	LED	FP_0805_LED_RED	LED Red	1
MD01 Motor controller	Motor controller module	MotorCtrl	MD01	MD01	1
1K	Resistor	R1, R_led	FP_0805_RES	RES 1K	2
3K3	Resistor	R2	FP_0805_RES	RES 3K3	1
10K	Resistor	R_boot	FP_0805_RES	RES 10K	1
Connector	4pin Connector	SWD	FP_CONN4_TUSKE_254MM	Connector_4pin	1
8MHz	Quarz Crystal	X1	FP_CRYSTAL_HC49_SMD	Crystal	1
ZENER	Zener Diode	ZENER	FP_SMA	ZENER	1