



Title				theMonarch - Transmitter	
Size		Number		Revision	
A4				1.0	
Date:		10/08/2020		Sheet of	
File:		\\.\WemosESP8266.SchDoc		Drawn By: Madison Beare	

Comment	Description	Designator	Footprint	LibRef	Quantity
100uF	Capacitor	C1	RAD-0.3	Cap	1
Cap	Capacitor	C2	RAD-0.3	Cap	1
a4988		IC1	MODULE_A4988_STEP PER_MOTOR_DRIVER_ CARRIER	a4988	1
FC681478	CLIFF ELECTRONIC COMPONENTS FC681478 CONNECTOR, POWER ENTRY, RCPT, 2A, 16VDC	J1	FC681478	FC681478	1
nRF24L01+	SPARKFUN TRANSCEIVER BREAKOUT -	J2	TE_5-146278-8	WRL-00691	1
826936-3	Connector Header Through Hole 3 position 0.100 (2.54mm)	J3, J4	TE_826936-3	826936-3	2
S4B-XH-A	Conn Shrouded Header HDR 4 POS 2.5mm Solder RA Thru- Hole Box	P1	S4B-XH-A(LF)(SN)	S4B-XH-A(LF)(SN)	1
Header 5	Header, 5-Pin	P2	HDR1X5	Header 5	1
2x1 Header	Conn Shrouded Header HDR 2 POS 2.5mm Solder RA Thru- Hole Box	P3, P4, P6, P7	JST_S2B-XH-A(LF)(SN)	S2B-XH-A(LF)(SN)	4
B2B-PH-K-S	Connector Header, PH Series, 2 Position, 2.00mm, Through Hole, Press-Fit, Solder, Natural	P5	JST_B2B-PH-K- S(LF)(SN)	B2B-PH-K-S(LF)(SN)	1
Res1	Resistor	R1, R2, R3	AXIAL-0.3	Res1	3