

Bill of Material for				
On 2017/7/13 at 13:14:01				
Comment	Pattern	Quantity	Components	
0	0603	1	Rb13	Resister
33R	0603	2	Ra31, Ra33	Resister
1K	0603	6	Ra32, Ra34, Rc13, Rc23, Rc33, Rc43	Resister
1.5K	0603	1	Ra21, Rb05	Resister
2.2K	0805	1	Ra11	Resister
10K	0603	27	Rb11, Rb12, Rb14, Rc11, Rc12, Rc14, Rc15, Rc16, Rc17, Rc21, Rc22, Rc24, Rc25, Rc26, Rc27, Rc31, Rc32, Rc34, Rc35, Rc36, Rc37, Rc41, Rc42, Rc44, Rc45, Rc46, Rc47	Resister
20pF	0603	2	Cb17, Cb18	Capacitor
22pF	0603	2	Ca34, Ca35	Capacitor
10nF	0603	1	Ca33	Capacitor
100nF	0603	9	Ca23, Ca32, Cb11, Cb12, Cb13,	Capacitor 0402 / 000603 / 000805
1uF	0805	1	Ca31	Capacitor
4.7uF	0603	1	Cb21	
10uF	0805	3	Ca12, Ca14, Ca22	Capacitor
47uF/50V	SMD-EC-F6.3	5	Ca11, Cc11, Cc21, Cc31, Cc41	Electro Capacitor
220uF/16V	SMD-EC-F6.3	1	Ca13	ELECTR
33uH	L	1	L1	L
LED	LED-000805	12	LDA, LDR, LDT, LDX, LDY, LDZ, MD1, MD2, MD3, MD4, PD1, PD2	Typical RED, GREEN, YELLOW, AMBER GaAs LED
Fuse	1812	1	Fuse/1.1A	
LM1117-3.3	SOT223	1	Ua2	Voltage Regulator
LM2596-ADJ5.0	LM2596S	1	Ua1	LM2575
8MHZ	XTAL-3215-2P	1	Yb1	Crystal Oscillator
12M	XTAL-3215-2P	1	Ya1	Crystal Oscillator
A4988	A4988	4	MA, MX, MY, MZ	
CH340G	SO-16	1	CH340G	
MOSFET-N	LR7843	4	Qc1, Qc2, Qc3, Qc4	N-Channel MOSFET
SS34	SMA	6	Da11, Da12, Dc11, Dc12, Dc13, Dc14	Low-Loss RF Switching Diode
STM32F103xC	QFP64	1	Ub1	
SW-PB	RST-6*6	1	RST	Switch
SW-SPST	SWTCH	1	SWITCH	Single-Pole, Single-Throw Switch
DC	DC-9V	1	DC 18-24VIN	
microSD PUSH-PULL	TF Card	1	TF Card	
Mini-USB	USB-mini-S	1	Mini-USB	
USB-B	USB-B2	1	USB-B	
Header 2	DG1282-5.0	4	MTR1, MTR2, MTR3, MTR4	Header, 2-Pin
Header 3	HDR-2.54-3P	3	XSW, YSW, ZSW	Header, 3-Pin
Header 4	HDR-2.54-4P	6	ADC, STP1, STP2, STP3, STP4, UART	Header, 4-Pin
Header 5X2	IDC10P-2.54	1	JTAG	Header, 5-Pin, Dual row
Header 7	HDR-2.54-7P	1	SPI	Header, 7-Pin