



Comment	Description	Designator	Footprint	LibRef	Quantity
0.1uF		C1, C25, C26, C27	LC-0402	Cap-0402	4
106		C2, C5, C15	LC-0402	Cap-0402	3
104		C3, C4, C11, C12, C13, C14, C21	LC-0402	Cap-0402	7
500pF		C6	LC-0402	Cap-0402	1
10uF		C7	LC-0402	Cap-0402	1
2.2uF		C8	Cap-0603	Cap0603	1
22pF		C9, C10, C16, C20	LC-0402	Cap-0402	4
2.2nF		C17	Cap-0603	Cap0603	1
4.7uF		C18	Cap-0603	Cap0603	1
0.22uF		C19	Cap-0603	Cap0603	1
0.1uF		C22, C23, C28	Cap-0603	Cap0603	3
10nF		C24	Cap-0603	Cap0603	1
22pF		C29	Cap-0603	Cap0603	1
D-Schottky MBR0520		D1	SOD123	D-Schottky MBR0520	1
Inductor	Inductor	L1	INDC1608L	Inductor	1
LED		L2, L3	0603_LED_S1	LED	2
Si2302-NMOS		M1, M2, M3, M4	SOT-23(SOT-23-3)	Si2302-NMOS	4
Test5V	Header, 2-Pin	P1	HDR1X2	Header 2	1
ResetKey_C5382		P2	ResetKeyC5382	ResetKey_C5382	1
JTAG	Header, 10-Pin, Dual row	P3	HDR2X10	Header 10X2	1
STARTUP	Header, 3-Pin, Dual row	P4	HDR2X3	Header 3X2	1
MOTOR1	Header, 2-Pin	P5	HDR1X2	Header 2	1
MOTOR2	Header, 2-Pin	P6	HDR1X2	Header 2	1
MOTOR4	Header, 2-Pin	P7	HDR1X2	Header 2	1
TFCard		P8	TF_card	TFCard	1
MOTOR3	Header, 2-Pin	P9	HDR1X2	Header 2	1
nRF24L01	Header, 4-Pin, Dual row	P10	HDR2X4	Header 4X2	1
Header 5	Header, 5-Pin	P11	HDR1X5	Header 5	1
Header 4	Header, 4-Pin	P12, P13	HDR1X4	Header 4	2
Li-po	Header, 2-Pin	P14	HDR1X2	Header 2	1
40K		R1	Res-0402	Res-0402	1
13.3K		R2	Res-0402	Res-0402	1
4.7K		R3, R12, R13, R14, R15	Res-0402	Res-0402	5
2.2K		R4, R6	Res-0402	Res-0402	2
10K		R5, R7, R8, R9, R10, R11, R16, R17, R18, R19, R20, R21, R22, R23	Res-0402	Res-0402	14
AMS1117		U1	AMS1117	AMS1117	1
STM32F103C8T6	ARM Cortex-M3 32-bit MCU, 64 KB Flash, 20 KB Internal RAM, 37 I/Os, 48-pin LQFP, -40 to 85 degC, Tray	U2	STM-LQFP48_L	STM32F103C8T6	1
CH340G		U3	LC-SOP-16_150mil	CH340G	1
miniUSB		U4	miniUSB	miniUSB	1
LM27313		U5	LM27313	LM27313	1
MPU6050		U6	MPU6050	MPU6050	1
HMC5883L		U7	LCCS50P300X300X90-16N-1	HMC5883L	1
MS5611		U8	MS5611	MS5611	1
12MHz		X1	LC-HC-49SMD	49SMD	1
8M		X2	LC-HC-49SMD	49SMD	1