









Quantity	Designator	Value	Footprint	Comment	Description	LibRef
6	C1, C3, C4, C8, C11, C24	4.7uF 16V	V0603	0603	Capacitor	Cap, K0603_100nF_50V_X7R
12	C2, C7, C10, C17, C18, C19, C20, C21, C22, C23, C25, C26	100nF 50V	V0402	0402	Capacitor	CAP
2	C5, C12	10nF	V0402	0402	Capacitor	Cap
1	C6	2.2nF	V0402	0402	Capacitor	CAP
3	C9, C13, C14	2.2uF 6V	V0402	0402	Capacitor	Cap
2	C15, C16	22pF	V0402	0402	Capacitor	Cap
2	D1, D2	Led Red 0603	KP-1608SURC_R	RED	Typical RED, GREEN, YELLOW, AMBER GaAs LED	LED2
1	IC1	STM32F405RGT6	LQFP64	STM32F40x- RG_Dirk		STM32F40x-RG_Dirk
2	L1, L2	10uH	V0402RES	0402	FERRITE BEAD, 1OHM, 100MA, 0402	Res3
5	LiPo1, P1, P2, P5, P6		PICOBLADE_53047- 0210	Header 2	Header, 2-Pin	Header 2
4	Q1, Q2, Q3, Q4	BSS138	SOT23A_CDW	N-FET	BSS138	BSS138
12	R1, R2, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13	10k	V0402RES	0402	Resistor	Res3
2	R3, R14	1k	V0402RES	0402	Resistor	Res3
1	U1	MS5611-01BA01	MS5611-01BA	MS5611-01BA01 or 03	MS5611-01BA01 High Resolution Barometer Module	MS5611-01BA01
1	U2	MPU6000, MPU6050 or MPU9150	mpu60X0	MPU6000, MPU6050 or MPU9150	INVENSENSE Integrated Dual Axis Gyroscope	MPU6000
1	U3	LP2992AIM3.3	SOT-23-OT5_N	3.3V LDO	Micropower 250 mA Low-Noise Ultra Low-Dropout Regulator in SOT- 23 and LLP Packages	LP2992AIM5-5.0
1	U4	VL53L0X	VL53L0Xtra	VL53L0X		VL53L0X
1	Y1	XTAL, 12.000MHZ, 18PF, SMD, 3.2X5	CFPX-5	3SMXB	Surface Mount Quar	3SMXB

