

BOM

Mainboard:

No	Type	Specification	quantity	Position
1	Capacitor	1.8pF 0402 NP0 50V	1	C37
2	Capacitor	100nF 0402 X7R 16V	9	C10 C13 C14 C15 C18 C19 C22 C23 C28
3	Capacitor	12pF 0402 NP0 50V	4	C1 C2 C3 C4
4	Capacitor	1nF 0402 X7R 50V	1	C9
5	Capacitor	1pF 0402 NP0 50V	1	C36
6	Capacitor	2.2nF 0402 X7R 16V	1	C34
7	Capacitor	3.9pF 0402 NP0 50V	1	C35
8	Capacitor	47nF 0402 X7R 16V	1	C32
9	Capacitor	10uF 0603 X5R 6.3V	4	C24 C25 C26 C27
10	Capacitor	1uF 0603 X5R 10V	4	C11 C20 C21 C33
11	Capacitor	4.7uF 0603 X5R 10V	1	C65
12	Crystal	16MHz_10ppm_9pF_SMD	1	X1
13	Ferrite Chip Bead	BLM18PG181SN1	4	FB1 FB2 FB3 FB4
14	Pure White SMD LED	IF=25mA,VF=2.5 to 3.0V,0603	1	D2
15	IMU	ICM-20602	1	U12
16	Inductor SMD 0603	10uH 0603 80mA	1	L2
17	Inductor SMD 0402	15nH 0402	1	L3
18	Inductor SMD 0402	10nH 0402	1	L6
19	Inductor SMD 0402	3.3nH 0402	1	L8
20	Inductor SMD 0402	3.9nH 0402	1	L7
21	MOS FET	SI2301	2	Q5 Q14
22	Stacked Inductor	4.7uH_0806_1.1A_20%	1	L4
23	BLE	nRF51822-QFAC	1	U1
24	SMT BUTTON	NTC010-AK1G-A160T	1	S1
25	SMT BUTTON	NTC017-BA1J-A160T	2	S2 S3
26	PCB	X3C01_Cobra_51822_VerA	1	PCB
27	Crystal	32.768k_20ppm_12.5pF_SMD(3 .2*1.5*0.8mm)	1	U4
28	Resistor	0 0402 5% 1/16W	4	R10 R12 R15 R81
29	Resistor	100 0402 5% 1/16W	1	R18
30	Resistor	100K 0402 1% 1/16W	2	R11 R31
31	Resistor	10K 0402 1% 1/16W	4	R4 R6 R8 R28
32	Resistor	4.7K 0402 5% 1/16W	5	R25 R26 R27 R35 R36

33	Resistor	560K 0402 1% 1/16W	1	R16
34	DC-DC	SGM6603-ADJYN6G/TR	1	U3
35	TVS	ESD9B5VL	5	Q2 Q6 Q15 Q16 Q17
36	FPC connector	6pin_1mm_0.5mmpitch	1	J4

TP Board:

No	Type	Specification	quantity	Position
1	IC	ZT7528 QFN36	1	U1
2	Capacitor	1uF 0201 X5R 10V	1	C1
3	Capacitor	100nF 0201 X5R 10V	2	C2, C3
4	Resistor	10K 0201 5% 1/16W	1	R1
5	FPC Connctot	6pin	1	J1
6	TVS	ESD9B5VL	5	D1,D2,D3,D4,D5
7	PCB	X3C01_TP_VerA	1	