

COMPONENT INFORMATION

DRONE

Description	Comment	PackageReference	Designator	Quantity
2 Transistor Array	PEMH20	SOT666	Q5311, Q5312, Q5313	3
3 Pins Header - Angle	POWER PAD	POWER3PIN	V1	1
6-Axis IMU Sensor	MPU-6000	MPU-60xx - on ByQ	U6	1
Balun	2450BM15A0002	2450BM15A0002	U34	1
Bead	BEAD	L1005	L3100	1
Capacitor	0.1uF	C1005	C610, C613, C3110, C3121, C3124, C3127, C3131	7
Capacitor	0.5pF	C1005	C341	1
Capacitor	10pF	C1005	C3104	1
Capacitor	16pF	C1005	C3122, C3123	2
Capacitor	1nF	C1005	C3120	1
Capacitor	1uF	C1005	C3139, C3140	2
Capacitor	2.2nF	C1005	C71, C72, C73, C74, C620	5
Capacitor	220pF	C1005	C400, C3128	2
Capacitor	47pF	C1005	C32, C33	2
Capacitor	1uF	C1608	C72_1, C72_2, C72_3, C72_4, C331, C332	6
Capacitor	2.2uF	C1608	C3100	1
Crystal	32MHz	X32	Y31	1
Inductor	6.8nH	L1005	L3130	1
Infra-Red Receiver	R24FV1A	ir3-ksm603 2	U400	1
Micro Tact Switch	MicroTact Switch	MicroTact 4x3	BUT1	1
Micro USB B Type Connector	microUSB	MicroUSB-B HI05	U4311	1
Microcontroller	CC2531	CC2531 - SMT	U31	1
N-Channel MOSFET	SI2300DS	SOT23-3L	Q71, Q72, Q73, Q74	4
Resistor	0	R1005	R340, R5311, R5312, R5313, R5313_1, R5313_2, R5313_3, R5313_4, R5314, R5323_1, R5323_2, R5323_3, R5323_4	13
Resistor	10K	R1005	R341, R342	2

Resistor	1K5	R1005	R111, R331	2
Resistor	220	R1005	R711, R721, R731, R741	4
Resistor	2K2	R1005	R623, R624, R3120	3
Resistor	33	R1005	R32, R33, R5211, R5212, R5213, R5214, R5311_1, R5311_2, R5311_3, R5311_4, R5312_1, R5312_2, R5312_3, R5312_4, R5314_1, R5314_2, R5314_3, R5314_4, R5321_1, R5321_2, R5321_3, R5321_4, R5322_1, R5322_2, R5322_3, R5322_4, R5324_1, R5324_2, R5324_3, R5324_4	30
Resistor	4K7	R1005	R712, R722, R732, R742	4
Resistor	56K	R1005	R3130	1
Resistor	10	R1608	R520	1
Schotky Diode	SD103AWS	SOD-323	D72_1, D72_2, D72_3, D72_4	4
Transistor	MMBT4401L	SOT23-3L	Q51, Q52	2
Typical INFRARED LED	IR204/H60	IRTx	D51, D52	2
Typical LED	BLUE	LED1608 - BLUE	D5311, D5312, D5313, D5313_1, D5313_2, D5313_3, D5313_4, D5314, D5323_1, D5323_2, D5323_3, D5323_4	12
Typical LED	GREEN	LED1608 - GREEN	D5311_3, D5311_4, D5314_3, D5314_4, D5321_3, D5321_4, D5324_3, D5324_4	8
Typical LED	RED	LED1608 - RED	D5211, D5212, D5213, D5214, D5312_1, D5312_2, D5312_3, D5312_4, D5322_1, D5322_2, D5322_3, D5322_4	12
Typical LED	WHITE	LED1608 - WHITE	D5311_1, D5311_2, D5314_1, D5314_2, D5321_1, D5321_2, D5324_1, D5324_2	8
Voltage Regulator	TC1185-2.5	SOT23-5N	U3311	1
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