















Part	Value	Device	Package	Description
BALUN	HHM1710D1	BALUNA	BALUN	
C1	0.1uF	CAP0402-CAP	0402-CAP	Capacitor
C2	100pF	CAP0402-CAP	0402-CAP	Capacitor
C3	1uF	CAP0402-CAP	0402-CAP	Capacitor
C4	1uF	CAP0402-CAP	0402-CAP	Capacitor
C5	1uF	CAP0402-CAP	0402-CAP	Capacitor
C6	1uF	CAP0402-CAP	0402-CAP	Capacitor
C7	2.2nF	CAP0402-CAP	0402-CAP	Capacitor
C8	0.1uF	CAP0402-CAP	0402-CAP	Capacitor
C9	0.1uF	CAP0402-CAP	0402-CAP	Capacitor
C10	10nF	CAP0402-CAP	0402-CAP	Capacitor
C11	1nF	CAP0402-CAP	0402-CAP	Capacitor
C12	10uF	CAP0603-CAP	0603-CAP	Capacitor
C13	0.1uF	CAP0402-CAP	0402-CAP	Capacitor
C14	0.1uF	CAP0402-CAP	0402-CAP	Capacitor
C15	1uF	CAP0402-CAP	0402-CAP	Capacitor
C16	1uF	CAP0402-CAP	0402-CAP	Capacitor
C17	1uF	CAP0402-CAP	0402-CAP	Capacitor
C18	0.1uF	CAP0402-CAP	0402-CAP	Capacitor
C19	22pF	CAP0402-CAP	0402-CAP	Capacitor
C20	22pF	CAP0402-CAP	0402-CAP	Capacitor
C21	12pF	CAP0402-CAP	0402-CAP	Capacitor
C22	12pF	CAP0402-CAP	0402-CAP	Capacitor
C23	0.1uF	CAP0402-CAP	0402-CAP	Capacitor
C24	1uF	CAP0402-CAP	0402-CAP	Capacitor
C25	1uF	CAP0402-CAP	0402-CAP	Capacitor
C26	1uF	CAP0402-CAP	0402-CAP	Capacitor
C27	2.2uF	CAP0402-CAP	0402-CAP	Capacitor
C28	0.1uF	CAP0402-CAP	0402-CAP	Capacitor
C29	10uF	CAP0603-CAP	0603-CAP	Capacitor
C30	1nF	CAP0402-CAP	0402-CAP	Capacitor
C31	100pF	CAP0402-CAP	0402-CAP	Capacitor
C32	100pF	CAP0402-CAP	0402-CAP	Capacitor
D1	PMEG2015EJ	DSOD323	SOD323	DIODE
D2	PMEG2015EJ	DSOD323	SOD323	DIODE
JP1	MPCS2PH	MPCS2PH	MOLEX-PICO_CLASP_S2P	Molex Pico-Clasp Single Row 2 Pos
JP2	51441-2493-C	OV7660FSL_CON-24	MOLEX-52740-2490	
JP3	ICD2	MPCS6PH	MOLEX-PICO_CLASP_S6P	Molex Pico-Clasp Single Row 6 Pos
JP4	WII	MPCS6PH	MOLEX-PICO_CLASP_S6P	Molex Pico-Clasp Single Row 6 Pos
JP10		SOLDER_PADS_9P	SOLDER_PADS_9P	
LED1	Red	LEDCHIP-LED0603	CHIP-LED0603	LED
LED2	Green	LEDCHIP-LED0603	CHIP-LED0603	LED
LED3	Yellow	LEDCHIP-LED0603	CHIP-LED0603	LED
PROC	DSPIC33FJ128MC706A	DSPIC33FJ128MC706-I/PT	TQFP64	Microchip dsPIC33FJ128MC706
Q1	ZXMN2B01FCT	MOSFET-NCHANNELSMD	SOT23-3	
Q2	ZXMN2B01FCT	MOSFET-NCHANNELSMD	SOT23-3	
R1	1k	R-US_R0402	R0402	RESISTOR, American symbol
R2	100k	R-US_R0402	R0402	RESISTOR, American symbol
R3	1k	R-US_R0402	R0402	RESISTOR, American symbol
R4	1k	R-US_R0402	R0402	RESISTOR, American symbol
R5	4.7k	R-US_R0402	R0402	RESISTOR, American symbol
R6	4.7k	R-US_R0402	R0402	RESISTOR, American symbol
R7	4.7k	R-US_R0402	R0402	RESISTOR, American symbol
R8	4.7k	R-US_R0402	R0402	RESISTOR, American symbol
R9	10k	R-US_R0402	R0402	RESISTOR, American symbol
R10	27k	R-US_R0402	R0402	RESISTOR, American symbol
R11	270K	R-US_R0402	R0402	RESISTOR, American symbol
R12	470	R-US_R0402	R0402	RESISTOR, American symbol
R13	100K	R-US_R0402	R0402	RESISTOR, American symbol
R14	470	R-US_R0402	R0402	RESISTOR, American symbol
R15	470	R-US_R0402	R0402	RESISTOR, American symbol
R16	270K	R-US_R0402	R0402	RESISTOR, American symbol
R17	100K	R-US_R0402	R0402	RESISTOR, American symbol
R18	1k	R-US_R0402	R0402	RESISTOR, American symbol
R19	100k	R-US_R0402	R0402	RESISTOR, American symbol
R22	100K	R-US_R0402	R0402	RESISTOR, American symbol
R23	270K	R-US_R0402	R0402	RESISTOR, American symbol
U1	MIC5335-SPYMT	MIC5320-38TML	MLF-6	MIC5320 High Performance Dual 150mA Voltage Regulator
U2	MIC5320-JGYML	MIC5320-38TML	MLF-6	MIC5320 High Performance Dual 150mA Voltage Regulator
U3	ITG-3200	ITG-3200-00	QFN-24	Invensense 3-axis Gyroscope
U4	AT86RF231-ZU	AT86RF231-ZU	QFN-32	Atmel 2.4GHz transceiver for Zigbee
U5	AT45DB321D	AT45DB321D	MLF (VDFN)-8	Atmel DataFlash AT45DB Series
U6	ECS-2033	OSCILLATORS	OSCILLATOR-SMD	
U7	A3903S	A3903S	DFN-8	Allegro Low Voltage DC Motor Driver (A3903)
U8	ADXL345-LGA12	ADXL345	LGA14	
U9	MN13822-L	VOL_DETECTOR	SOT-23-3	
U10	ECS-160-8	CRYSTALS	CRYSTAL-SMD	
U11	ANTENNA	ANTENNA	ANTENNA_PAD	
U12	ANTENNA-CHIP	ANTENNA-CHIP	ANTENNA-CHIP	