

**Bill Of Materials      May 12,2015**

Item	Quantity	Reference	Part	Pcb Footprint
1	1	C7	100uF/10V	CES73X43
2	7	C8,C10,C11,C26,C27,C28,	100nF	C0603
		C31		
3	1	C9	1uF	C0805
4	1	C12	1nF	C0805
5	2	C13,C25	12pF	C0805
6	2	C14,C24	33pF	C0805
7	4	C15,C17,C20,C22	100pF	C0805
8	2	C16,C21	56pF	C0805
9	2	C18,C23	39pF	C0805
10	2	C29,C30	15pF	C0603
11	1	C32	10uF/25V	C1206
12	1	IC2	PN512	qfn32_1p5h
13	1	J2	GPIO Raspberry Pi	h2x13mz
14	1	K6	SIGIN	Holec8d5
15	1	K7	SIGOUT	Holec8d5
16	1	K27	VCC	Holec8d5
17	1	K28	GND	Holec8d5
18	1	L2	22nH	R0805
19	2	L3,L4	470nH	R0805
20	9	R1,R5,R9,R11,R17,R18,R21,	DNP(OR)	R0805
		R23,R30		
21	7	R2,R6,R10,R12,R15,R20,	OR	R0805
		R24		
22	6	R3,R4,R7,R8,R13,R14	DNP(1K)	R0805
23	1	R16	1K	R0805
24	1	R22	2.7K	R0805
25	4	R25,R26,R27,R29	4R4	R0805
26	4	R28,R32,R33,R34	10K	R0805
27	12	TP1,TP2,TP3,TP4,TP5,TP6,	TP	TP50
		TP7,TP8,TP9,TP10,TP11,		
		TP12		
28	1	XT1	27.12MHz	SX4-0302