

## BOB4 1.1

Ref Name	Component	Value	Qty
C1	Capacitor	100p	1
C2	Capacitor	100p	1
C3	Capacitor	100p	1
C4	Capacitor	100p	1
C5	Capacitor	100p	1
C6	Capacitor	100p	1
C7	Capacitor	100p	1
C8	Capacitor	100p	1
C9	Capacitor	100p	1
C10	Capacitor	100p	1
C11	Capacitor	100p	1
C12	Capacitor	100p	1
C13	Capacitor	100n	1
C14	Capacitor	100n	1
C15	Capacitor	1n	1
C16	Elco	1 $\mu$	1
C17	Capacitor	100n	1
C18	Capacitor	100n	1
C19	Elco	1 $\mu$	1
C20	Capacitor	100n	1
C21	Capacitor	100n	1
C22	Elco	100 $\mu$	1
C23	Elco	10 $\mu$	1
C24	Elco	1 $\mu$	1
C25	Elco	1 $\mu$	1
CONN1	Flatcable PCB 10P		1
CONN2	Flatcable PCB 10P		1
CONN3	Flatcable PCB 10P		1
CONN4	Flatcable PCB 10P		1
D1	Diode	1N4148	1
D2	Diode	1N4148	1
D3	Diode	BAT46	1
D4	Diode	BAT46	1
J1	Connector	USB B	1
J2	Connector	DB25M-90	1
J3	Connector	Screw 2	1
J4	Connector	Screw 2	1
J5	Connector	Screw 2	1
J6	Connector	Screw 2	1
J7	Connector	Screw 2	1
J8	Connector	Screw 2	1
J9	Connector	Screw 2	1
J10	Connector	Screw 2	1
J11	Connector	Screw 2	1
J12	Connector	Screw6	1
J13	Connector	Screw 2	1
J14	Connector	Screw 2	1
JP1	Jumper sil 3		1
LED1	LED	Red	1
LED2	LED	Red	1
LED3	LED	Red	1
LED4	LED	Red	1

LED5	LED	Red	1
LED6	LED	Green	1
LED7	LED	Green	1
LED8	LED	Yellow	1
LED9	LED	Red	1
LED10	LED	Yellow	1
LED11	LED	Yellow	1
Q1	Transistor	BC337	1
Q2	Transistor	BC337	1
Q3	Transistor	BC337	1
Q4	Transistor	IRL540 or 530	1
Q5	Transistor	BC547	1
Q6	Transistor	BC557	1
R1	Resistor 1%	560	1
R2	Resistor 1%	560	1
R3	Resistor 1%	560	1
R4	Resistor 1%	560	1
R5	Resistor 1%	560	1
R6	Resistor 1%	560	1
R7	Resistor 1%	560	1
R8	Resistor 1%	560	1
R9	Resistor 1%	560	1
R10	Resistor 1%	560	1
R11	Resistor 1%	560	1
R12	Resistor 1%	560	1
R13	Resistor 1%	470	1
R14	Resistor 1%	470	1
R15	Resistor 1%	1K	1
R16	Resistor 1%	1M	1
R17	Resistor 1%	1K	1
R18	Resistor 1%	10K	1
R19	Resistor 1%	560	1
R20	Resistor 1%	10K	1
R21	Resistor 1%	10K	1
R22	Resistor 1%	1K	1
R23	Resistor 1%	1K	1
R24	Resistor 1%	1K	1
R25	Resistor 1%	1K	1
R26	Resistor 1%	1K	1
R27	Resistor 1%	1K	1
R28	Resistor 1%	1K	1
R29	Resistor 1%	1K	1
R30	Resistor 1%	5K6	1
R31	Resistor 1%	10K	1
R32	Resistor 1%	560	1
R33	Resistor 1%	2K2	1
R34	Resistor 1%	270	1
R35	Resistor 1%	1K	1
R36	Resistor 1%	10K	1
R37	Resistor 1%	10K	1
R38	Resistor 1%	22K	1
R39	Resistor 1%	5K6	1
R40	Resistor 1%	10K	1
RA1	R_Sil_7	10K	1
RA2	R_Sil_7	10K	1
RN1	R SIL-6	10K	1

U1	IC	74ACT14		1
U2	IC	74ACT14		1
U3	Optocoupler	EL827		1
U5a	Optocoupler	EL827		1
U5b	Optocoupler	EL827		1
U6	Optocoupler	EL827		1
U10	Optocoupler	4N32		1
U11	IC	LM358		1
U12	Voltage regulator		7812	1
VR1	Pot multiturn	20K		1