

## **Component list**

Date: 22-11-2013 Time: 21:54:55  
File: M:\Schematic Design\PKBee NT6W 2013v1.spl7  
Page: "1: Controller"  
Page: "2: PLL Unit"  
Page: "3: VCO"  
Page: "4: End-Stage"

C2 = 1 x 1uF  
C4 = 1 x 10uF  
C12 = 1 x 470n  
C16 = 1 x 3p3F  
C24 = 1 x 22uF  
C24 = 1 x 47uF  
C25 = 1 x 22nF  
C32 = 1 x 47nF  
C33 = 1 x 47pF  
C33 = 1 x 2u2F  
C35 = 1 x 220uF  
C37 = 1 x 100n/SMD  
C40 = 1 x 68pF  
C44 = 1 x 1n  
C45 = 1 x 56pF  
C56 = 1 x 100uF  
C61 = 1 x 15pF  
C1,C3,C11,C13,  
C26,C41 = 6 x 100n  
C14,C15,C57 = 3 x nc  
C15,C30 = 2 x 100pF  
C17,C22,C23,  
C36,C38,C39,  
C46,C51 = 8 x 1nF  
C18,C35,C43,  
C44,C46 = 5 x 10uF  
C26,C36 = 2 x 10n  
C27,C28,C29,  
C32,C39,C41,  
C45,C52,C55,  
C60 = 10 x 10nF  
C33,C34 = 2 x 18nF  
C34,C37 = 2 x 33pF  
C35,C36 = 2 x 10pF  
C5,C19,C21,C34,  
C38,C41,C54,  
C58 = 8 x 100nF  
C9,C31,C38,C59 = 4 x 47uF

R1 = 1 x 3k3  
R3 = 1 x 100k  
R8 = 1 x 5k6  
R9 = 1 x 3k9  
R9 = 1 x 150  
R12 = 1 x 100  
R18 = 1 x 10  
R19 = 1 x 470k  
R28 = 1 x 820  
R13,R30,R31,  
R35,R36 = 5 x 330  
R14,R22,R30,  
R34 = 4 x 470  
R15,R16 = 2 x 82

R2,R20	= 2 x 6k8
R20,R21,R23	= 3 x 10k
R21,R25	= 2 x 47k
R22,R23,R24	= 3 x 22k
R25,R26	= 2 x 680
R26,R27	= 2 x 1k2
R27,R31	= 2 x 180
R28,R29	= 2 x 47
R4,R10,R10,R11, R13,R14,R15	= 7 x 4k7
R5,R7,R19,R29	= 4 x 1k
D22	= 1 x 5v1/400mWatt
D24	= 1 x 1N4148
D27	= 1 x 3v9/400mWatt
D28	= 1 x RED
D29	= 1 x GREEN
D32	= 1 x 10v/400mWatt
D14,D23,D24, D25,D26,D27, D28,D29,D30, D31	= 10 x BBY40
L3	= 1 x 10 $\mu$ H
L8	= 1 x 22 $\mu$ H
L17	= 1 x 1T5/6D/1
L21	= 1 x 3T/5D/1
L1,L19	= 2 x VK200
L15,L16	= 2 x 3T/6D/1
L18,L24	= 2 x 1 $\mu$ H
L5,L6	= 2 x 22 $\mu$ H
L7,L25	= 2 x 2 $\mu$ 2H
Q3	= 1 x BC547
Q4	= 1 x RD06HVF
Q5	= 1 x BFG591
Q6	= 1 x BD139
Q1,Q6	= 2 x BC 547
Q4,Q5	= 2 x j310
U1	= 1 x MSA
U1	= 1 x CA3140
U2	= 1 x PIC16F88
U7	= 1 x uA741
U8	= 1 x TSA5511
CN11,CN12	= 2 x HDR_1
P1	= 1 x 500
P3	= 1 x 10k
VR3	= 1 x 7805
CN1	= 1 x HDR_16
XT4	= 1 x 3.2 MHz
CV2	= 1 x 22pF