

Component list

Date: 30-9-2013 Time: 22:21:54
File: M:\Schematic Design\PKBee NT6W 2013v1.sp17
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 2u2F
C33 = 1 x 47pF
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
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

CN1 = 1 x HDR_16

CN11,CN12 = 2 x HDR_1

CV2 = 1 x 22pF

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 10uH
L8 = 1 x 22uH
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 1uH
L5,L6 = 2 x 22uH
L7,L25 = 2 x 2u2H

P1 = 1 x 500
P3 = 1 x 10k

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

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
U1	= 1 x MSA
U1	= 1 x CA3140
U2	= 1 x PIC16F88
U7	= 1 x uA741
U8	= 1 x TSA5511
VR3	= 1 x 7805
XT4	= 1 x 3.2 MHz