

## BOM

NHB-108B (Ver3.4)

Type	model	Brand	specification	Quantity	Numbering
Resistors	20R	VISHAY BC	MRS25 1%0.25w	4	R21 , R22
	27R	VISHAY BC	MRS25 1%0.25w	4	R23, R24
	36R	VISHAY BC	MRS25 1%0.25w	4	R15, R16
	51R	VISHAY BC	MRS25 1%0.25w	2	R100
	360R	VISHAY BC	MRS25 1%0.25w	4	R9, R10
	3K3	VISHAY BC	MRS25 1%0.25w	4	R5, R6
	7K5	VISHAY BC	MRS25 1%0.25w	4	R11 , R12
	12K	VISHAY BC	MRS25 1%0.25w	4	R13,R14
	27K	VISHAY BC	MRS25 1%0.25w	4	R7, R8
	56K	VISHAY BC	MRS25 1%0.25w	4	R1 , R2
	100K	VISHAY BC	MRS25 1%0.25w	4	RB, R4
	510K	VISHAY BC	MRS25 1%0.25w	4	R101 , R102
	4K7 2W	VISHAY BC	PR02 5%4mm*12mm	4	R25, R26
	6K8 2W	VISHAY BC	PR02 5% 4mm*12mm	4	R17, R18
	39R5W	BCPhilips	AC05W 5%7*16MM	4	R19, R20
diode	15V1W	Vishay	BZX85C15V DO-41	4	Z5,Z6
	5V1 1W	Vishay	BZX85C5V1 DO-41	4	Z1, Z2
	1N4004	Vishay	1N4004-E3/73	4	D3, D4
Potentiometer	50K VR	BOURNS	3266X-503	2	P1
Condenser	330uF/35V	Matsushita M series	10mm x 12.5mm x 5mm	4	C17,C18
	47uF/100V	-	8mm x11.5mm x3.5mm	4	C15,C16
Condenser	3.3UF/50V	WIMA MKS-2	72x5.5x11.5mm	4	C6. C7
	0.22uF/100V	WIMA MKS-4	13mm x 4mm x 9mm	4	C11 ,C12
	1uF/63V	WIMA MKS-4	13mm x 4mm x 9mm	8	C19, C20, C9.C10
	0.68uF/100V	EVOX MMK	18mm x5mm x10mm	4	C13,C14
	47pF/200V	US AVX CK	1 % 5mm RM	6	C100,C3,C4
	150pF/200V	USAVX CK	1 % 5mm RM	4	C1 ,C2
Transistor	2N5401	FairChild	TO-92 PNP	4	Q1 ,Q4
	2N5551	FairChild	TO-92 NPN	4	Q2,Q3
	MJE15032G	Onsemi	TO-220 NPN	8 05,08,010,0100	
	MJE15033G	Onsemi	TO-220 PNP	8	Q6, Q7, Q9, Q90
	M J 3281A	Onsemi	TO-3P NPN	2	Q11
	MJL1B02A	Onsemi	TO-3P PNP	2	Q12
PCB	11.5x8 cm	-	-	2	-
Supercap	SCNP	AVX	20mm x 15mm	2	
Other	Insulation	Bergquist	TO-220	16	Mica insulation for TO-220
	Insulation	Bergquist	TO-3P	4	Mica insulation for TO-3P
	M3 screw	-	M3x6mm	8	
	M3 screw	-	M3x10mm	16	
	M3 screw	-	M3x12mm	4	