

VFD Big Ellipse Clock Check list

HW v.01

Component	Quantity	Check	Position
resistor 680K-760K 0.25w	1		R9
resistor 100K 0.25w	3		R1, R2, R10
resistor 47K 0.25w	1		R7
resistor 10K 0.25w	1		R5
resistor 3K3 0.25w	1		R4
resistor 1K 0.25w	1		R3
resistor 470 0.25w	1		R8
resistor 330 0.25w	1		R6
capacitor 470uF 16V	1		C6
capacitor 100uF 10V	1		C8
capacitor 33-47uF 63V	1		C13
capacitor 0.22-0.47uF ceramic	1		C5
capacitor 0.1uF 50V	4		C4,C7,C9,C11
capacitor 1nF	1		C12
capacitor 47pF	1		C10
capacitor 33pF	1		C2
capacitor 22pF	1		C1
trim capacitor (red)	1		C3
Crystal 4MHz	1		Z1
Buzzer 5v	1		Buzzer
Transformer PRT35-3901	1		Tr1
Transistor BC639	2		VT1, VT2
Transistor 2SD1804S-TL	1		VT3
IC PIC18F13K50 smd	1		DD1
IC PT6302-LQ smd	1		DD2
IC 78L05	1		VR1
Main PCB	1		
VFD80-1601FA VFD display	1		
Backup battery CR2032	1		GB1
Backup battery holder	1		
Quick blow Fuse 1A	1		F1
1N4001A 1A diode	1		D1
Shottky diode	3		D2,D3,D5
Zenner diode 5.1V	1		DZ2
Zenner diode 33V	1		DZ1
UF4004 fast switch 400V diode	1		D4
Connector 2pins socket DC	1		X1
Connector 5pins plug	1		X2
Connector plug 2pins with jumper	1		J1
Tactile Switch	2		B1, B2