

# IV11 VFD Clock Check list

HW v.02

Component	Quantity	Check	Position
resistor 760K 0.25w	1		R14
resistor 180-220K 0.25w	2		R13, R17
resistor 200K 0.25w 1%	1		R12
resistor 15K 0.25w	2		R2, R7
resistor 10K 0.25w	1		R11
capacitor 100uF 10V	1		C18
capacitor 22uF 63V	1		C15
capacitor 470uF 16V	1		C11
capacitor 0.1uF	10		C2,C3,C4,C12,C14,C16, C17,C19,C23,C24
capacitor 1nF	1		C13
capacitor 33pF	1		C22
capacitor 47pF	1		C21
trim capacitor ( red)	1		C20
Crystal 4MHz	1		Z2
Buzzer 5v	1		Buzzer
Inductor 220uH SMD	1		L1
Transistor IRF720 (IRF730)	1		VT11
IC MAX771	1		DA11
IC PIC16F628A	1		DD11
IC TSC428CBA SMD	1		DD02
IC MAX6921AWI SMD	1		DD01
IC 7809 (KP142EH8A)	1		DA1
IC 78L05	1		D12
Tube PCB	1		
uC PCB	1		
IV-11 VFD Tube	6		
Blue/Green 3mm LED	2		HL7, HL8
Backup battery CR2032	1		GB11
Backup battery holder	1		
Fuse 1A	1		F11
1N4001A 1A diode	1		D11
Shottky diode	2		D13,D14
UF4004 fast switch 400V diode	1		D12
Connector plug 4pins, for tube pcb	3		
Connector plug 2pins, for tube pcb	2		
Connector plug 5pins, right angle	2		X12, X13
Connector socket 4pins, for uC pcb	3		
Connector socket 2pins, for uC pcb	2		
Connector 2.1mm DC for PCB	1		X11
Connector plug 2pins with jumper	1		J1
Tactile Switch Right angle	2		B1, B2