

Bill of Material for IN16-4-V1

[o] = Means these parts are optional and only included when you ordered the RTC (real-time-clock) option.

[e] = Means these parts are optional and only included when you ordered the Encoder option.

Chk	Used	Part Type	Designator	Description
===	====	=====	=====	=====
[]	1	120	R101	SMD RESISTOR 1206
[]	1	330	R41	SMD RESISTOR 1206
[]	4	2K7	R7 - R10	SMD RESISTOR 1206
[]	5	4K7	R1 - R4	SMD RESISTOR 1206
			R43	
[]	4	10K	R103 R104	SMD RESISTOR 1206
			R107 R111	
[]	16	47K	R19 - R22	SMD RESISTOR 1206
			R28 - R39	
[]	1	100K	R25	SMD RESISTOR 1206
[]	4	470K	R13 - R16	SMD RESISTOR 1206
[]	1	680K	R42	SMD RESISTOR 1206
[]	2	33P	C104 C105	SMD CAPACITOR 1206
[]	5	100N	C4 C101	SMD CAPACITOR 1206
			C102 C107	
			C110	
[]	1	470P	C3	SMD CAPACITOR 1206
[]	4	MMBTA92	T1 - T4	PNP TRANSISTOR
[]	16	MMBTA42	T7 - T10	NPN TRANSISTOR
			T13- T24	
[]	1	1N4002	D101	RECTIFIER DIODE
[]	1	BYV27-200	D3	DIODE
[]	1	IRFR320B	T26	IRFR320B N-CHANNEL MOSFET
[]	1	MC34063A	IC1	DC-DC CONVERTER IC
[]	1	16MHZ	CR101	XTAL
[]	1	78L05	IC102	TO92 REGULATOR 5V
[]	1	2K	P1	VARIABLE POTENTIOMETER
[]	1	DCJACK	X102	DCJACK PCB MALE 2.5MM
[]	1	PUSHBUTTON	S1	PUSHBUTTON WITH EXTENSION
[]	1	2u2/250V	C2	ELEC CAPACITOR
[]	1	100U/16V	C108	ELEC CAPACITOR
[]	2	100U/35V	C1 C1B	ELCO 100uF/35V DIA 8.2MM HEIGHT 12.2MM
[]	1	330uH	L1	INDUCTOR
[]	1	NEONBULB	NL1	NEONLAMP + PLASTIC STANDOFF
[]	1	PIC16F87x	IC101	PIC16F87x programmed
[]	1	28PIN SOCKET	IC101	28PIN SOCKET
[]	4	IN16	U1 - U4	NIXIE TUBE WITH SPACER
[o]	1	DS1302	IC104	RTC CLOCK IC
[o]	1	32.768KHZ	CR102	XTAL WATCH
[o]	1	0.047F/5V	C109	SUPER CAP
[e]	1	ENCODER		ENCODER
[e]	1	KNOB FOR ENCODER		KNOB
[]	4	HEX STUDS 5MM+		
[]	4	HEX STUDS 12MM		
[]	1	DC PLUG		