

Bill Of Materials

Qty	Reference	Part
2	R3,R7	resistor 1/4W 3.3 KOhm
1	R6	resistor 1/4W 120 Ohm
1	R8	resistor 1/4W 220 KOhm
3	R10,R18,R25	resistor 1/4W 10 KOhm
2	R11,R16	resistor 1/4W 22 KOhm
2	R12,R13	resistor 1/4W 47 KOhm
1	R14	resistor 1/4W 82 Ohm
3	R17,R23,R24	resistor 1/4W 270 Ohm
4	R19,R20,R21,R22	resistor 1/4W 49.9 Ohm
1	R26	resistor 1/4W 2.32 Kohm 1% metalfilm
3	R27,R28,R29	resistor 1/4W 220 Ohm
2	C1,Ce1	ELCO RAD 4.700/35
1	C2	ELCO RAD 100/35
2	C3,C5	ELCO RAD 1.000/16 or 25V
1	C4	ELCO RAD 100/16 or 25V
5	C6,C7,C8,C16,C17	Ceramic capacitor 100 nF
2	C9,C10	Capacitor 220 nF
1	C13	ELCO RAD 10/16V
2	C14,C15	Ceramic capacitor 15 pF
1	D1	1N5822 / SB340
1	D2	SB160 / 1N5818
1	LED1	LED Yellow
1	LED2	LED Green
3	LED3,LED4,LED5	LED B-3 GN
1	T1	BC337
1	U1	ATMEGA168 DIP28 with socket
1	U2	ENC28J60 DIP28 with socket
1	U3	LM311 with socket
1	VR1	LM2576-12
1	VR4	LM317
1	VR2	LM2575 -3V3 or P3596L3.3
1	F1	PFRA 185
1	GR1	KBU6
1	J1	AKL330/02 + AKL349/02
2	J2,J3	D-SUB BU 09EU
1	J4	MagJack 08B0-1X1T-06-F
2	J5,J6	MEBP 6-6S
1	ICSP1	HEADER 3X2
1	JP1	2 pin header + jumper
1	JP2	Not installed
1	L1	INDUCTOR FED100
1	L2	77A 330 u
1	L3	Inductor 331K
1	X1	CRYSTAL 25 MHz
1	SW1	Dip switch 3
1	Cooling	VPR127/94-M3
2	Clips TO-220	MC725
4	mounting supports	DA4 10mm
4	screws	M4 x 10
1	screw	M3 x 10
1	nut	M3
2	screws	M3 x 8 phillips
1	PC-Board	GCA101

Important !!!!!**For Power IC and Regulators:**

First mount cooling device with screws, then insert IC and regulators, bending wires so that they are flat to cooling, then fix clamps to hold IC's and ONLY AFTER that solder IC's.