

Giling Computer Applications

GCA145

Bill Of Materials

Revised: June 11, 2013

Version V1.3

Qty	Ref	Part
1	R1	1 Kohm
1	R2	2,2 Kohm
2	R3 ,R4	0,47 Ohm 2 Watt
3	R5,R6,R9	22 Kohm
2	R7, R8	3,3 Kohm
4	R10..R13	33 Ohm
10	R14..19, R21..24	10 Kohm
6	R20, R26, R27, R28, R29, R31	470 Ohm
1	R25	680 Ohm
2	R30, R32	4,7 Kohm
1	P1	Trimmer 20 Kohm
1	P2	Trimmer 2 Kohm
1	C1	Elco 4700 uF / 35V rad
1	C2	Elco 100 uF / 35V rad
1	C3	Elco 1000 uF / 25V rad
2	C11, C12	Elco 10 uF / 25 V rad
4	C4,C5,C6,C10	Capacitor 100 nF ceramic
1	C7	Capacitor 33 nF MKT
2	C8, C9	Capacitor 15 pF
3	Led1, Led4, Led6	Led 3mm green
2	Led2, Led3	Led 3mm yellow
1	Led5	Led 3mm red
8	D1..8	Skottky Diode 1N5818
1	D9	Scottly Diode 1N5822
2	D11, D12	Diode 1N4148
3	D13, D14, D15	Diode 1N4003
4	T1..4	Transistor BC547b
1	VR1	LM2576t-adj
1	VR2	7805 TO-220
1	U1	PIC16F873a
1	U2	L297
1	U3	L298
1	U4	LTV844 or 2 x LTV824
1	L1	Inductor FED100
1	F1	PFRA185 Multifuse 1,85 Amp
1	F2	PFRA050 Multifuse 0,5 Amp
1	X1	Crystal 20 Mhz
2	JP1,JP2	3 pin header with jumper
1	EEP1	Not used
1	J1	AKL320-04+ AKL314-04
3	J2, ICSP1 ,I2C1	PSS254/5G
1	J4	PSS254-3G with jumper
3	J5 ,J6, J8	PSS254-10G
1	J7	PSS254-8G
2	K1,K2	Relais Omron G5V-1 5 or 6 Volt
1	GR1	KBU6B
4	GR2..GR5	B80C1500
1	socket	DIL-28s
1	socket	DIL-20
1	socket	DIL-16
3	connector	PSK254-10W
3	connector	PSK254-5W
53	Pins	PSK-pins
4	Bolts	M4x8
4	Supports	M4x10
2	bolts	M3x8
1	cooling	V PR127/94-M3
3	clips	MC 725

Important !!!!!

For assembling cooling, VR1,VR2 and U3 :

First mount cooling device with screws, then insert VR1, VR2 and U3, bending wires so that they are flat to cooling, then fix clamps to hold IC's and after that solder IC's.