

Giling Computer Applications

LocoNet – RS232 Interface

GCA85-V2

Bill of materials

Update May 13, 2015

Qty	Reference	description	order nr
2	R1,R8	Resistor 470 Ohm	
1	R2	220 Kohm	
1	R3	22 Kohm	
5	R4,R9,R10,R12,R13	10 Kohm	
1	R5	47 Kohm	
1	R6	150 Kohm	
1	R7	4.7 Kohm	
1	R11	82 Ohm 1% metalfilm	
1	C1	Elco 4700 uF 35V radial	
3	C2,C6,C13	Capacitor 100 nF ceramic	
2	C3,C4	Capacitor 15 pF ceramic	
1	C5	Elco 10 uF 16V radial	
4	C7.. C10	Elco 1 uF 16V radial	
1	C11	Elco 1000 uF 16V radial	
1	C12	Elco 100 uF 35V radial	
1	Led1	Led 3mm green	
1	Led2	Led red	LED B-3 rt (Reichelt)
1	D1	Scottky Diode 3A	1N5822
1	T1	Transistor	BC337/40
1	VR1	Regulator 12V	LM2576T-12
1	VR2	Regulator 5V	7805
1	VR3	Adjustable regulator	LM337LZ
1	U1	Processor	PIC16F873a
1	U2	RS232 inverter	MAX232 DIL16
1	U3	Binary comparator	LM311 DIL8
1	U1 socket		DIL28s
1	U2 socket		DIL16
1	U3 socket		DIL8
1	F1	Multifuse 1,85 Amp	PFRA185
1	J1	Connector screw-terminal	AKL012-02
3	J2,J3,J4	Sub-D9 connector	D-SUB BU 09EU (Reichelt)
1	J4	RJ12 connector	BP6-6S (Reichelt)
1	GR1	Bridge rectifier 6A	KBU6
1	SW1	Dip Switch 3-pole	
1	X1	Crystal 20 Mhz	
1	L1	Inductor 100 uH	FED100 (Reichelt)
1		PC-Board	GCA85-V2
1		Extension cable RS-232	
1		Cooling	V PR 101/94 M3 (Reichelt)
2		clips	MC 725
4		support with screw M4	