

MGV85 LocoNet RS232 Unit**Components list**

Qty	Reference	Description / Value	Supplier	
3	R1,R8,R11	Resistor 1K		
1	R2	Resistor 220K		
1	R3	Resistor 22K		
3	R4,R10,R12	Resistor 10K		
1	R5	Resistor 47K		
1	R6	Resistor 150K		
1	R7	Resistor 4K7		
1	R9	Resistor 47E		
1	R13	Resistor 3K3		
1	C1	Elco 10.000 uF 35V (> 2Amp)	www.conrad.de	471232
OR		Elco 4700 uF 35V (<2.1Amp)	www.reichelt.de	BSN 4.700/40
3	C2,C6,C13	capacitor 100 nF	www.reichelt.de	kerko 100n
2	C3,C4	capacitor 15 pF	www.reichelt.de	kerko 15p
5	C5,C7,C8,C9,C10	Elco 10 uF 35V radial	www.reichelt.de	rad 10/35
1	C11	Elco 1000 uF 16V radial	www.reichelt.de	rad 1.000/16
1	C12	Elco 100 uF 35V radial	www.reichelt.de	rad 100/35
1	LED1	Led 3mm green		
1	LED2	Led 3mm red		
1	LED3	Led 3mm yellow		
1	D1	Diode SR330	www.reichelt.de	SB 330
1	T1	Transistor BC337-40	www.reichelt.de	BC337-40
1	T2	Transistor BC547b		
1	T3	Transistor BC547b		
1	VR1	LM2576T-adj	www.reichelt.de	LM2576T-adj
1	VR2	Power IC 7805 TO-220	www.reichelt.de	uA7805
1	U1	PIC16F873(A)	see note	
1	U1 socket	28 Pin dil-s	www.reichelt.de	GS28P-S
1	U2	Max232ACPE	www.reichelt.de	Max232ACPE
1	U2 socket	16 Pin dil	www.reichelt.de	GS16P
1	U3	LM311 DIL8	www.reichelt.de	LM311 DIP
1	U3 socket	8 Pin dil	www.reichelt.de	GS08P
1	X1	Crystal 20 MHz	www.reichelt.de	20.0000-HC49U-S
1	J1	2-pole screw	www.reichelt.de	AKL 094-02
1	J2	SubD connector female	www.reichelt.de	D-SUB BU 09EU
1	J3	SubD connector female	www.reichelt.de	D-SUB BU 09EU
1	J4	RJ12 connector	www.darisusgmbh.de \ \ www.reichelt.de	MOD6G \ \ MEBP 6-6S
2	JP1,JP6	2 pin header + jumper	www.reichelt.de	SL 1x36G 2,54 \ \ Jumper 2,54 RT
1	L1	coil 100 uH	www.reichelt.de	FED 100µ
1	F1	Fuse 3A	www.reichelt.de	PFRA 300
1	GR1	Bridge 6 Amp	www.reichelt.de	KBU6A
4		Spacer 10x4mm	www.reichelt.de	DA4 10mm
4		screws	www.reichelt.de	SKL M4x6
2		screws	www.reichelt.de	SKL M3x10
4		nuts 3mm		