

**USB-Can Buffer with power supply
CAN-GC1**

**Revised: Jan 18, 2012
Original design: MERG
Pc-board design:
Peter Giling**

Bill of materials

Qty Ref Part

1	R1	120 Ohm
2	R2,R3	10 KOhm
2	R4,R5	3,3 KOhm
1	R6	100 KOhm
0	R7	Not applied
1	C1	ELCO 4.700 uF /35V Radial
1	C2	ELCO 100 uF 35V Radial
1	C3	ELCO 1000 uF 16V Radial
3	C4,C6,C7	100 nF
5	C5,8..11	ELCO 10 uF/16V or 25V Radial
1	Le1	LED B-3 rt
1	Le2	Led 3mm green
0	Le3	Not applied
1	D1	DIODE 1N5822
1	D2	Diode 1N4002
1	VR2	7805 TO-220
1	GR1	BRIDGE rectifier KBU 6G
1	RES1	RESONATOR 8 MHz
0	PB1	Not applied
1	VR1	LM2576-12
1	U1	MCP2551 with socket Dil08
1	U2	PIC18F2480 with socket Dil28S
1	U3	MAX232a with socket DIL16
1	JP1	2 pin header with jumper
1	L1	INDUCTOR 100 uH (Reichelt FED100)
1	ICSP1	PSS 254/6G (Farnell 167-5768)
1	J1	AKL012-02
2	J2,J3	D-sub BU 09EU
1	F1	FUSE 1,85 Amp MFR
1	PC-Board	CAN-GC1
4	Boardspacers	
4	Screws M4x 10	
2	screws with nut M3 x 10	

for RS232 version:

1	J4	D-Sub BU 09EU
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for USB Version:

1	DB9-USB-F	
1	USB cable	
2	Screws M3x10	
2	Washers M3	
2	Nuts M3	