

LocoIO servo controller
GCA183

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Revision : 1.1
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Bill Of Materials

Qty	Reference	Part
4	R1..R4	270 Ohm
4	R5..R8	470 Ohm
1	R9	2,2 KOhm
1	R10	22 KOhm
3	R11..R13	10 KOhm
2	R14,R15	4,7 KOhm
3	R27..R29	1 KOhm
1	R30	22 Ohm
1	RP1	Resistor network 8 x 10K SIL9 with socket
3	RP2,3,4	Resistor network 4 x 470 Ohm SIL5 with socket
1	C1	ELCO 100/16 radial
1	C2	ELCO 1000/35
1	C3	ELCO 100/35 rad
2	C4,C5	ELCO 10/16 rad
2	C7,C8	Capacitor 15 pF ceramic
5	C9..C13	capacitor 100 nF
8	C14..C21	capacitor 4,7 nF
8	D1..D8	DIODE 1N400x
2	Le1,Le4	LED 3mm red
3	Le2,Le3	LED 3mm green
4	Ls1..Ls4	LED 3mm green
8	IL1..IL8	LED 3mm red
2	Tr1,Tr3	BC557b
1	Tr2	BC337-40
2	Opt1,Opt2	6N137 with socket DIL08
1	VR1	78L05 TO-92
2	VR2,VR3	7805 TO-220
1	IC1	ATMEGA88 with socket DIL28-s
1	IC2	ATMEGA48 with socket DIL28-s
1	GR1	B80C1500
1	J1	D-SUB BU 09EU
1	J2	D-SUB ST 09EU
1	J4	PSS254/10G
1		PSK 254/10W
12	HS1..8,S1..4	PSS254/03G
8		PSK 254/3W
34		PSK pins
2	ICSP1,ICSP2	HEADER 3X2
1	V1	AKL012-2
1	X1	CRYSTAL 9,216 MHz
4	JP1..2,PW1..2	3-pin header with jumper
1	GCA137	female header 3x1
1	F1	FUSE PFRA050
1		PC-board GCA183
4		Pc-board support
4		Fastener M4 x 8
1		Sub-D9 connector male
1		Sub-D9 connector female