

Sheet1

single turnout servo drive Revised: May 19, 2021
 GCA215 Revision: V1.1
 Revisor Peter Giling

Bill Of Materials

Qty	Ref	Part
3	R1,R2,R5	Resistor 1 KOhm 1/8 Watt
3	R3,R4,R18	Resistor 10 KOhm 1/8 Watt
2	R6,R8	Resistor 47 KOhm 1/8 Watt
1	R7	Resistor 270 Ohm 1/8 Watt
1	R9	Resistor 22 KOhm 1/8 Watt
1	R10	Resistor 10 KOhm 1/8 watt
1	R11	Resistor 22 KOhm 1/8 watt
4	R12,R13,R15,R16	Resistor 10 KOhm 1/8 Watt
1	R14	Resistor 10 Kohm 1/8 Watt
1	R17	Resistor 1 KOhm 1/8 watt
1	R19	Resistor 3.3 KOhm 1/8 watt
2	C1,C3	elco 10 uF minimum 16V
1	C2	elco 220 uF minimum 25V
2	C4,C5	capacitor 100 nF 2.5 mm pitch
1	D1	DIODE 1N4003
4	D2..D5	DIODE 1N4148
1	Le1	LED 3mm green
1	Le2	LED 3mm red
1	Le3	LED 3mm blue
1	T1	BS170
1	VR1	7805 (TO220)
1	U1	ATTINY84A with socket
1	U2	PIC12F629 with socket
1	opto2	LTV824 with socket
1	K1	relay Hongfa HFD2/005-S-D
1	F1	Multifuse 0,5 A
1	GR1	B80C1500
3	TP1,PC1,SE1	AKL086/03
3	PB1,PB2,PB3	pushbutton
1	SW1	quadruple dip switch
1	Opto1	6N137 with socket
3	JP1,JP2,JP3	3 pin header with jumper
1	J1	AKL084/02