

Reverse loop switch

Revised: Oct 30,, 2018

GCA102v3

Revision: V3.0

current detection setup

Reference part

R1	Resistor 33 Ohm	
R2	Resistor 33 Ohm	
R3	Resistor 33 Ohm	
R4	Resistor 33 Ohm	
R5	Resistor 33 Ohm	
R6	Resistor 33 Ohm	
R7	Resistor 10 Kohm	
R8	Resistor 10 Kohm	
R9	Resistor 470 Ohm	
R10	Resistor 470 Ohm	
C1	Capacitor 100 nF ceramic	
C2	Capacitor 100 nF ceramic	
C3	Capacitor 100 nF ceramic	
Led1	Led 3mm red	
Led 2	Led 3mm green	
D1	Diode 1N4148	
D2	Diode 1N4148	
GR1..GR6	Rectifier B80C1500	
U1	LTV844	
U1	socket DIL16	
U2	PIC12F675	
U2	Socket DIL08	
U3	LTV824	
U3	Socket DIL08	
J1	3 x AKL012-03	
J2	PSS 254/10G	
H1	PSS 254/3G + PSK254/3W + pins	
H2	PSS 254/3G + PSK254/3W + pins	
H3	PSS 254/3G + PSK254/3W + pins	
H4	PSS 254/3G + PSK254/3W + pins	
F1	Multifuse 0,5Amp	
F2	Multifuse 0,5Amp	
JP1	2 pin header with jumper	
K1	Relay Hongfa HFD2/005-S-D or equivalent	
	4 x pcb support with fastener	
	PCBoard GCA102v3	