



TRUE GRIT Parts list (1)

All the components in this list are included in the kit

Reference	Value	Qty	Description	Marking
R37, R38	5R6	2	Resistor 1%, 1/4W	GRN-BLU-BLK-SLV-BRN
R40	18R	1	Resistor 1%, 1/4W	BRN-GRY-BLK-GLD-BRN
R36	470R	1	Resistor 1%, 1/4W	YEL-VIO-BLK-BLK BRN
R10, R11, R27, R28, R35	1k2	5	Resistor 1%, 1/4W	BRN-RED-BLK-BRN-BRN
R8, R15	1k8	2	Resistor 1%, 1/4W	BRN-GRY-BLK-BRN-BRN
R9, R16, R30	2k2	3	Resistor 1%, 1/4W	RED-RED-BLK-BRN-BRN
R5, R7, R18, R20, R29, R31, R32, R34	4k7	8	Resistor 1%, 1/4W	YEL-VIO-BLK-BRN-BRN
R1, R2, R3, R4, R12, R13, R17, R19	10k	8	Resistor 1%, 1/4W	BRN-BLK-BLK-RED-BRN
R33	15k	1	Resistor 1%, 1/4W	BRN-GRN-BLK-RED-BRN
R21, R22, R25, R26	56k	4	Resistor 1%, 1/4W	GRN-BLU-BLK-RED-BRN
R14	100k	1	Resistor 1%, 1/4W	BRN-BLK-BLK-ORG-BRN
R23, R24	220k	2	Resistor 1%, 1/4W	RED-RED-BLK-ORG-BRN
R6, R39	330K	2	Resistor 1%, 1/4W	ORG-ORG-BLK-ORG-BRN
C1, C6, C7, C10, C14	47p	5	Capacitor Ceramic	470
C2, C3	470p	2	Capacitor Ceramic	471
C23, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37	100n	12	Capacitor Ceramic	104
C39, C40	10u-25V	2	Capacitor Ceramic	106
C17, C18	4n7	2	Capacitor Film	4700
C11, C12	22n	2	Capacitor Film	0,022
C15, C16	220n	2	Capacitor Film	0.22
C9, C13, C21, C22	BP10u-16V	4	Capacitor Electro, Bipolar	
C38	10u-63V	1	Capacitor Electro, 105°	
C41	33u-35V	1	Capacitor Electro, 105°	
C4, C5	47u-63V	2	Capacitor Electro, 105°	
C8, C19, C20	BP100u-16V	3	Capacitor Electro, Bipolar	
C42	100u-25V	1	Capacitor Electro, 105°	
C24	100u-63V	1	Capacitor Electro, 105°	
C25, C26	330u-25V	2	Capacitor Electro, 105°	
L1, L2, L3, L4	22uH	4	Inductor radial	
V1	ECC81	1	Dual triode	
D1, D2, D3, D4	Z5V1	4	Zener diode 5V1	5V1
D5, D6, D7	1N4004	3	Rectifier diode	1N4004
D8	1N914	1	NPN small signal diode	
BR1		1	Diode bridge 1A	

Q1	IRFZ24	1	N channel MOSFET	
U1, U2, U3, U4	OPA2134	4	Dual low noise Op-Amp	
U5	THAT1646	1	Balanced line driver	
U6	40 to 12V	1	DCDC voltage regulator 0.5A	
SW1, SW2, SW3	DPDT	3	Push switch white cap	
SW4	DPDT	1	Push switch red cap	
V1	Noval	1	Ceramic tube socket	
	8 pins	5	IC sockets	
Tube holder		2	Header 90° 2x4 pins	
J1		1	Header 1x10 pins	
J2		1	Socket 1x10 pins	
0V, B+, TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, V+, V-		12	Test pin	
P1	20k Lin	1	Potentiometer 9mm Linear	B20K
P2, P3	2x100k RLog	2	Potentiometer 9mm dual Reverse Log	C100K
P4	10k Lin	1	Potentiometer 9mm Linear	B10K
P5	1k Lin	1	Potentiometer 9mm Linear	B1K
RLY1		1	Relay submin DPDT 24V	
		1	PCB (3 parts splitable)	
Knob		5	12.7x6mm knob, Black	
		1	Front pannel	
Front pannel assembly		2	3D nut	
PCB assembly	M3x6	6	Screw pan head	
Front pannel assembly	M3x6	2	Black screw countersunk	
Module fixing	M3x8	2	Black screw countersunk	
PCB assembly	M3x25	2	Spacer fem/fem	
(1) Data can be changed without notice				
Schematic Rev 1.3				
PCB Rev 1.3				
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