

Comment	Description	Designator	Footprint	LibRef	Quantity
1uF/50	Capacitor	C1, C3	RAD-0.2	Cap	2
0.47uF/ 35V	Capacitor	C2, C13	RAD-0.2	Cap	2
220uF/35	Polarized Capacitor (Radial)	C4, C9	RB5-10.5	Cap Pol1	2
22nF	Capacitor	C5	RAD-0.2	Cap	1
10nF	Capacitor	C5, C8, C8, C15, C15, C20, C20, C21, C23, C23	RAD-0.2	Cap	10
390uF/25	Polarized Capacitor (Radial)	C6, C11	RB5-10.5	Cap Pol1	2
0.001uF/ 25V	Capacitor	C7, C17	RAD-0.2	Cap	2
390pF	Capacitor	C10	RAD-0.2	Cap	2
220uF/25	Polarized Capacitor (Radial)	C12, C14	RB5-10.5	Cap Pol1	2
22uF/50	Polarized Capacitor (Radial)	C16	CAPPR2-5x6.8	Cap Pol1	2
0.01uF/ 35V	Capacitor	C18	RAD-0.2	Cap	1
2nF2	Capacitor	C19	RAD-0.2	Cap	1
4.7nF	Capacitor	C22	RAD-0.2	Cap	1
100pF	Capacitor	C22	RAD-0.2	Cap	1
10uF	Polarized Capacitor (Radial)	C24	RB1.5/0.3	Cap Pol1	1
1N4007	High Conductance Fast Diode	D1, D9	DIODE-0.5	Diode 1N4148	2
MUR1100E	1 Amp General Purpose Rectifier	D2, D6, D10, D11	DIODE-0.5	Diode 1N4007	4
UF4007	High Conductance Fast Diode	D3, D4, D5, D8	DIODE-0.5	Diode 1N4148	4
1N5226	1 Amp General Purpose Rectifier	D7	DIODE-0.5	Diode 1N4007	1
1N4751	Zener Diode	D12	DIODE-0.5	D Zener	1
1.5KE-18CA	18V Transorb	D13	AXIAL-0.7	D Zener	1
1N4148	High Conductance Fast Diode	D14, D17, D18	DO-35	Diode 1N4148	3
1N752	Zener Diode	D15	DIODE-0.5	D Zener	2
HFBR-1527Z		F1	OPTO-TX	R-2551	1
HFBR-2521Z		F2	OPTO-TX	R-2551	2
Plug	Plug	P1	PIN1	Plug	1
Drive	Header, 2-Pin	P2	Screw Terminal	Header 2	1
2N7000	N-Channel MOSFET	Q1, Q5, Q5, Q7	TO-92A	MOSFET-N	4
D44VH10	NPN Bipolar Transistor	Q2	TO-220BCE	NPN	1
D45VH10	PNP Bipolar Transistor	Q3	TO-220BCE	PNP	1
IRF9540	P-Channel MOSFET	Q6	TO-220-D44	MOSFET-P	1
2N3906	PNP Bipolar Transistor	Q8	TO-92A	PNP	1
IRFU9024	P-Channel MOSFET	Q9	TO-151	MOSFET-P	1
ZVP3306	P-Channel MOSFET	Q10	TO-92A	MOSFET-P	2
2N3904	NPN Bipolar Transistor	Q11	TO-92A	NPN	2
11K	Resistor	R1	AXIAL-0.4	Res1	1
1K	Resistor	R2	AXIAL-0.4	Res1	1
1K2	Resistor	R3, R5	AXIAL-0.4	Res1	2
5K6	Resistor	R4, R21	AXIAL-0.4	Res1	2
12K	Resistor	R6, R12	AXIAL-0.4	Res1	2
2K7	Resistor	R7	AXIAL-0.4	Res1	2
100R	Resistor	R8, R78	AXIAL-0.4	Res1	2
2K2/1W	Resistor	R9	AXIAL-0.6	Res1	1
10R	Resistor	R10, R10, R22	AXIAL-0.4	Res1	3
15R	Resistor	R11, R16	AXIAL-0.4	Res1	2
620R/1W	Resistor	R13	AXIAL-0.6	Res1	1
6R8/3W	Resistor	R14	AXIAL-0.6	Res1	1
1R5/3W	Resistor	R15	AXIAL-0.6	Res1	1
1K5/1W	Resistor	R17	AXIAL-0.6	Res1	2
100	Resistor	R18, R18, R19, R19	AXIAL-0.4	Res1	4
10K	Resistor	R20	AXIAL-0.4	Res1	1
120R	Resistor	R23	AXIAL-0.4	Res1	1
1K6	Resistor	R24	AXIAL-0.4	Res1	1
VAC/Omnirel	Center-Tapped Transformer (Coupled Inductor Model)	T1	VAC_CT1	Trans CT	1
LM317		U1	TO-220-AB	LT1086	1
LM7915CT	3-Terminal Negative Regulator	U2	T03B	LM7915CT	1
ISO5500		U3	M16B_M	ISO5500	2
MC33161D	Universal Voltage Monitor	U4	M08A_N	MC33161D	1
MC14538BDW	Dual Precision Retrigger	U5	M16A_L	MC14538BDW	1