

Bill of materials

ITEM	QTY	REFDES	VALUE	MANUFACTURER	PART NUMBER	DESCRIPTION	CATALOGUE	ORDER CODE	PACKAGE
1	2	C1,C2	125uF X 25V	Nichicon	UMF1E150MDD	Aluminium ElectrolyEc Capacitors - Radial Leaded Al LyEc Cap 105C Radial FC Series	Mouser	647-UMF1E150MDD	CAP1
2	1	C3	220uF X 4V	Panasonic	ECE-A0GKS221B	Aluminium ElectrolyEc Capacitors - Radial Leaded 4VDC 220uF SU SU BI-POL	Mouser	667-ECE-A0GKS221B	ECAPR_D62XL25
3	1	C4	120pF	Murata Electronics	RCE5C1H121J0A2H03B	MuElayer Ceramic Capacitors MLCC - Leaded 50volts +/-5%	Mouser	81-RCE5C1H121J0A2H3B	CAP2
4	1	C5	220pF	Murata Electronics	RCER71H221K0A2H03B	MuElayer Ceramic Capacitors MLCC - Leaded 50volts +/-5%	Mouser	81-RCER71H221K0A2H03B	CAP2
5	2	C6,C7	1000pF	Murata Electronics	RCE5C1H102J0A2H3B	MuElayer Ceramic Capacitors MLCC - Leaded 50volts +/-5%	Mouser	81-RCE5C1H102J0A2H3B	CAP2
6	1	C8	18pF	Murata Electronics	RCE5C1H180J0DBH3A	MuElayer Ceramic Capacitors MLCC - Leaded 50volts +/-5%	Mouser	81-RCE5C1H180J0DBH3A	CAP2
7	1	C9	0.1uF	Murata Electronics	RHEL81H104K0A2H3B	MuElayer Ceramic Capacitors MLCC - Leaded 50volts +/-5%	Mouser	81-RHEL81H104K0A2H3B	CAP2
8	1	C10	0.047uF	Murata Electronics	RCER71H473K0A2H3B	MuElayer Ceramic Capacitors MLCC - Leaded 50volts +/-5%	Mouser	81-RCER71H473K0A2H3B	CAP2
9	2	D1,D2	1N4004	Diodes Incorporated	1N4004-T	RecEifiers Vr/400V Io/1A T/R	Mouser	621-1N4004	1N4004
10	2	D3,D4	1N4148	ON Semiconductor / Fairchild	1N4148	Diodes - General Purpose, Power, Switching 100V Io/200mA	Mouser	512-1N4148	1N4148
11	2	D5,D6	1N5242B	ON Semiconductor / Fairchild	1N5242B	Zener Diodes 12V 0.5W Zener	Mouser	512-1N5242B	1N5242
12	7	J1,J2,J4,J6,J7,J8,J10	MKDS 1/3-3.81 HT	Phoenix Contact	1985836	Fixed Terminal Blocks MKDS 1/3-3.81 HT	Mouser	651-1985836	PHOENIX3_381
13	4	J3,J5,J9,J11	MKDS 1/2-3.81 HT	Phoenix Contact	1985823	Fixed Terminal Blocks MKDS 1/2-3.81 HT	Mouser	651-1985823	PHOENIX2_381
14	1	R1	2M2	Xicon	271-2.2M-RC	Metal Film Resistors Through Hole 1% 50PPM	Mouser	271-2.2M-RC	RES1
15	1	R2	200R	Xicon	271-200-RC	Metal Film Resistors Through Hole 1% 50PPM	Mouser	271-200-RC	RES1
16	1	R3	5K1	Xicon	271-5.1K-RC	Metal Film Resistors Through Hole 1% 50PPM	Mouser	271-5.1K-RC	RES1
17	1	R4	10K	Xicon	271-10K-RC	Metal Film Resistors Through Hole 1% 50PPM	Mouser	271-10K-RC	RES1
18	1	R5	220	Xicon	271-220-RC	Metal Film Resistors Through Hole 1% 50PPM	Mouser	271-220-RC	RES1
19	1	R6	20K	Xicon	271-20K-RC	Metal Film Resistors Through Hole 1% 50PPM	Mouser	271-20K-RC	RES1
20	2	R7,R9	3K3	Xicon	271-3.3K-RC	Metal Film Resistors Through Hole 1% 50PPM	Mouser	271-3.3K-RC	RES1
21	1	R8	1M	Xicon	271-1.0M-RC	Metal Film Resistors Through Hole 1% 50PPM	Mouser	271-1.0M-RC	RES1
22	1	T1	EA2622	CAPI Inc.	EA2622	Audio Input Transformer	CAPI	EA2622	EA2622
23	1	T2	EA2503	CAPI Inc.	EA2503	Audio Input Transformer	CAPI	EA2503	EA2503
24	1	U1	2520	Automated Processes INC.	2520	Audio operaEonal amplifier	MOUSER	2520	DOA2520