

Item	Reference Designator	MPN	Description	Vendor	VPN
1	N/A	1151986	RAW PCB	JLCPCB	1151986
2	C1, C5	GRM1885C1H270JA01D	CAP CER 27PF 50V COG/NPO 0603 5%	Mouser	81-GRM1885C1H270JA01
3	C10	890324023015CS	CAP FILM 0.047UF 10% 275VAC RAD	Mouser	710-890324023015CS
4	C2, C3	C0603C104K8RAUTO	Multilayer Ceramic Capacitors MLCC - SMD/SMT 100volts .1uF 10% X7R AUTO	Mouser	80-C0603C104K8RAUTO
5	C4, C11	TAJB107M010RNJ	Tantalum Capacitors - Solid SMD 10volts 100uF 20%	Mouser	581-TAJB107M010R
6	C6	GRM188R71E103KA01D	CAP CER .01uF 25V X7R 0603	DigiKey	490-1520-1-ND
7	C7	C3216X7R1C106K160AC	Capacitors MLCC - SMD/SMT 1206 16V 10uF X7R 10% T: 1.6mm	Mouser	810-C3216X7R1C106K
8	C8	12061C823KAT2A	Multilayer Ceramic Capacitors MLCC - SMD/SMT 100V 0.082uF X7R 1206 10%	Mouser	581-12061C823KAT2A
9	C9	C0603C222J8RACTU	Multilayer Ceramic Capacitors MLCC - SMD/SMT 10V 2200pF 0603 X7R 5%	Mouser	80-C0603C222J8R
10	D1	PTVS7V0S1UR,115	ESD Suppressors / TVS Diodes TVS DIODE PROTECT Diode	Mouser	771-PTVS7V0S1UR115
11	F1	37006300410	Fuses with Leads (Through Hole) 250V IEC SL .630A TR5	Mouser	576-37006300410
12	J1	1935174	Fixed Terminal Blocks PT 1.5/3-5.0-H	Mouser	651-1935174
13	J2,J3	M20-9980445	CONN HEADER VERT 8POS 2.54MM	DigiKey	952-2122-ND
14	L1	RFB0807-220L	Fixed Inductors RFB0807 AEC-Q200 100kHz 0.1mOhms	Mouser	994-RFB0807-220L
15	L2	RFB0807-470L	Fixed Inductors RFB0807 AEC-Q200 100kHz 0.19mOhms	Mouser	994-RFB0807-470L
16	R1, R2, R6	RT0805FRE0751RL	Thin Film Resistors - SMD 1/8W 50ohm 1% 50ppm	Mouser	603-RT0805FRE0751RL
17	R10	RR1220P-472-D	Thin Film Resistors - SMD 1/10W 4.7Kohm 0.5% 25ppm	Mouser	754-RR1220P-472D
18	R11	RC0805FR-7W1KL	Thick Film Resistors - SMD 1K OHM 1% 1/4W	Mouser	603-RC0805FR-7W1KL
19	R14, R15	N/A	Do not populate these parts	Mouser	N/A
20	R3	RC1206FR-07100RL	Thick Film Resistors - SMD 100 OHM 1%	Mouser	603-RC1206FR-07100RL
21	R4	MFR-25FBF52-1M	Metal Film Resistors - Through Hole 1M OHM 1/4W 1%	Mouser	603-MFR-25FBF52-1M
22	R5	MFR-25FTE52-220K	Metal Film Resistors - Through Hole 220K OHM 1/4W 1%	Mouser	603-MFR-25FTE52-220K
23	R7	RC0805FR-072M2L	Thick Film Resistors - SMD 2.2M OHM 1%	Mouser	603-RC0805FR-072M2L
24	R8, R9, R12, R13	RR1220P-103-D	Thin Film Resistors - SMD 1/10W 10Kohm 0.5% 25ppm	Mouser	754-RR1220P-103D
25	T1	78250MC	Power Transformers 2mH 69pF 6 pin SM	Mouser	580-78250MC
26	T2	2N3904TA	Bipolar Transistors - BJT NPN Transistor General Purpose	Mouser	512-2N3904TA
27	U1	TDA5051AT/C1,518	IC HOME AUTOMATION MODEM 16SOIC	DigiKey	568-10301-1-ND
28	U2	H11AA1-X007T	Transistor Output Optocouplers Phototransistor Out AC-In Single CTR 20%	Mouser	782-H11AA1-X007T
29	U3	V250LA4P	Varistors 250V pF	Mouser	576-V250LA4P
30	X1	HC49US-8.000MABJ-UB	Crystals 8MHz 18pF HC49S THROUGH HOLE	Mouser	695-HC49US-8.0ABJB