

Item	Ref Designator	MPN	Description	Vendor	VPN
10	PCB	11041957	RAW PCB	JLCPCB	11171957
20	ACIN	1935161	Fixed Terminal Blocks PT 1.5/2-5.0-H	Mouser	651-1935161
30	C1, C10, C13	CC0603JPX7R9BB104	Multilayer Ceramic Capacitors MLCC - SMD/SMT 50 V 0.1uF X7R 0603 5%	Mouser	603-CC0603JPX7R9BB104
40	C2	890324023015CS	CAP FILM 0.047UF 10% 275VAC RAD	Mouser	710-890324023015CS
50	C3	C1206C106K4PACTU	Multilayer Ceramic Capacitors MLCC - SMD/SMT 16V 10uF X5R 1206 10%	Mouser	80-C1206C106K4P
60	C4	CC0603JRX7R8BB103	Multilayer Ceramic Capacitors MLCC - SMD/SMT 25V 0.01uF X7R 0603 5%	Mouser	603-CC0603JRX7R8BB103
70	C5	06035C823JAT2A	Multilayer Ceramic Capacitors MLCC - SMD/SMT 50V 0.082uF X7R 0603 5%	Mouser	581-06035C823JAT2A
80	C6, C12	EMK316BBJ476ML-T	Multilayer Ceramic Capacitors MLCC - SMD/SMT 1206 16VDC 47uF 20% X5R	Mouser	963-EMK316BBJ476ML-T
90	C7	C0603C222J8RACTU	Multilayer Ceramic Capacitors MLCC - SMD/SMT 10V 2200pF X7R 0603 5%	Mouser	80-C0603C222J8R
100	C8, C11	C0603C270J5GACAU07411	Multilayer Ceramic Capacitors MLCC - SMD/SMT 50V 27pF C0G 0603 5% AEC-Q200	Mouser	80-C0603C270J5GAULR
110	C9	TAJB107M010RNJ	Tantalum Capacitors - Solid SMD 10V 100uF 1210 ESR=1.4Ohms 20%	Mouser	581-TAJB107M010R
120	CFG	22-28-5027	Headers & Wire Housings KK 100 Hdr Assy Bkwy Bkwy 02 Ckt 30 SGold	Mouser	538-22-28-5027
130	D1	PTVS7V0S1UR,115	ESD Suppressors / TVS Diodes TVS DIODE PROTECT Diode	Mouser	771-PTVS7V0S1UR115
140	F1	37011000410	Fuses with Leads - Through Hole 250V IEC LBC SL 1A TR5	Mouser	576-37011000410
150	IC1, IC2, IC3, IC5	SN74LV1T34DBVRG4	Translation - Voltage Levels Single Power Supply BUFFER Logic Level Shifter 5-SOT-23	Mouser	595-SN74LV1T34DBVRG4
160	IC4	DMMT5401-7-F	TRANS 2PNP 150V 0.2A SOT26	Digi-Key	DMMT5401-FDICT-ND
170	L1	RFB0807-470L	Power Inductors - Leaded 47uH UnShld 10% 1.85A 190mOhms AECQ2	Mouser	994-RFB0807-470L
180	L2	RFB0807-220L	Power Inductors - Leaded 22uH UnShld 10% 2.7A 100mOhms AECQ2	Mouser	994-RFB0807-220L
190	Q1	DMG2305UXQ-7	NMOSFET SOT-23-3 ID = 4.2 A Rds = 50 mOhms	Mouser	621-DMG2305UXQ-7
200	Q2	2N7002NXAKR	MOSFET 60V N-CHANNEL SGL TRENCH	Mouser	771-2N7002NXAKR
210	R10	ESR03EZPF4702	Thick Film Resistors - SMD 0603 47Kohm 1% Anti Surge AEC-Q200	Mouser	755-ESR03EZPF4702
220	R1, R2, R14	ERJ-3EKF4701V	Thick Film Resistors - SMD 0603 4.7Kohms 1% AEC-Q200	Mouser	667-ERJ-3EKF4701V
230	R3, R9, R15, R17, R19, R20	CRCW060310K0FKEAC	Thick Film Resistors - SMD 1/10Watt 10Kohms 1% Commercial Use	Mouser	71-CRCW060310K0FKEAC
240	R16	CRCW06032M20FKEAC	Thick Film Resistors - SMD 1/10Watt 2.2Mohms 1% Commercial Use	Mouser	71-CRCW06032M20FKEAC
250	R4	ERJ-P06F1004V	Thick Film Resistors - SMD 0805 1.0Mohms 0.5W 1% Tol AEC-Q200	Mouser	667-ERJ-P06F1004V
260	R5	ESR03EZPF1000	Thick Film Resistors - SMD 0603 100ohm 1% Anti Surge AEC-Q200	Mouser	755-ESR03EZPF1000
270	R6	ERJ-P06F2203V	Thick Film Resistors - SMD 22 Ohms 100-200mW 0603 1%	Mouser	603-RC0603FR-1022RL
280	R7, R8	RC0603FR-1022RL	Thick Film Resistors - SMD 1/10Watt 22ohms 1% Commercial Use	Mouser	603-RC0603FR-1022RL
290	RPI	2223	Adafruit Accessories GPIO Stacking Header for Pi A+/B+/Pi 2/Pi 3 - Extra-long 2x20 Pins	Mouser	485-2223
300	T1	78250JC	Power Transformers SM TRANSFORMER	Mouser	580-78250JC
310	U1	CAT24C32YI-GT3	EEPROM 32K-Bit I2C Serial EEPROM	Mouser	698-CAT24C32YI-GT3
320	U2	H11AA1-X007T	Transistor Output Optocouplers Phototransistor Out AC-In Single CTR 20%	Mouser	782-H11AA1-X007T
330	U3	TDA5051AT/C1,518	IC HOME AUTOMATION MODEM 16SOIC	Mouser	771-TDA5051ATD-T
340	U4	V250LA4P	Varistor 250V pF	Mouser	576-V250LA4P
350	U5	PSK-S12B-5	AC/DC Power Modules ac-dc, 12 W, 5 Vdc, single output, encapsulated	Mouser	490-PSK-S12B-5
360	X1	LFXTAL025208Bulk	Crystals 7.5MHz 18pF -40C 85C	Mouser	449-LFXTAL025208BULK