

bom

Parts	Value	MPN	Package	Qty	Description
C1, C2, C4, C5, C8	0.1u	CC0805KRX7R9BB104	C0805	5	CAPACITOR, European symbol
C10	220u	SK016M0220BZF-0611	E2,5-6	1	POLARIZED CAPACITOR, European symbol
C11	22u 16V	CL31A226KOHNNNE	C1206	1	CAPACITOR, European symbol
C12	47u	CL31A476MQHNNNE	C1206	1	CAPACITOR, European symbol
C3	0.1u	CC1206KRX7R8BB104	C1206	1	CAPACITOR, European symbol
C6, C7	1n	CL21B102KBANNNC	C0805	2	CAPACITOR, European symbol
C9	470u	SK016M0470B3F-0811	E3,5-8	1	POLARIZED CAPACITOR, European symbol
D1, D2, D3, D4, D5		ES1D	DO214AC	5	DIODE
IC1		NCP1117DT33G	DPACK	1	Low drop fixed and adjustable positive voltage regulators 1 A
J1,J4,J5,J7,J8,J9,J10,J12,J13,J14,J16,J17,J18		DG350-3.5-02P-14-00AH	SCREWTERMINAL-3.5MM-2	13	Screw terminal connector 3.5mm x 2
J11,J15,J2,J3,J6		DG350-3.5-03P-14-00AH	SCREWTERMINAL-3.5MM-3	5	Screw terminal connector 3.5mm x 3
J19		PLS-1	1X01	1	JUMPER
J20		PLS-3	1X03	1	JUMPER
JP2		PLS-2	JP1	1	JUMPER
L1		SRP1040-150M	SRP1040	1	POWER INDUCTOR
LED1		KPT-2012ZGC	SML0805	1	LED, Vfd ~3.3V
Q1, Q2, Q3		PHP20NQ20T.127	TO220BV	3	Power MOSFET N-Channel
Q4, Q5, Q6, Q7, Q8, Q9		IRF7424TRPBF	SO-08	6	P-Channel MOSFET
R1, R2, R3, R4, R5, R6, R7, R8, R11	1K	RC0603JR-071KL	0603	9	Resistor
R12	2.4K	RC0603FR-072K4L	0603	1	Resistor
R13	120	RC0603FR-07120RL	0603	1	Resistor
R10,R14, R15, R16, R17, R18, R19	10K	RC0603JR-0710KL	0603	7	Resistor
R20, R21, R22	160	RC0805FR-07160RL	0603	3	Resistor
R9	3K	RC0603JR-073KL	0603	1	Resistor
U\$1		PBS-20	1X20	2	20-pin header connector
U1		MC14504BDR2G	SOIC-16	1	Hex Level Shifter for TTL to CMOS or CMOS to CMOS
U2		MAX3051ESA+T	SO-08	1	Can bus transciever
U3, U4, U5		VOM1271T	SOP-4	3	Photovoltaic optocoupler
U6		ACS711KLCTR-12AB-T	SO-08	1	Hall effect current sensor
U7		ACS711ELCTR-25AB-T	SO-08	1	Hall effect current sensor