

Bill Of Materials for ASSCHARG_SCH

0 Modules

Quantity	References	Value	description
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Sub-totals:

8 Capacitors

Quantity	References	Value	description
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6	C1, C3-C5, C7-C8	0.47u	Capacitor SMD1206
1	C2	47u	CPOL E5-10,5
1	C6	10u	CPOL E2,5-7

Sub-totals:

21 Resistors

Quantity	References	Value	description
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4	R1, R7, R24-R25	10K	Resistor SMD1206
1	R2	330	Resistor SMD1206
1	R3	47K	Resistor SMD1206
2	R4, R6	1k	Resistor SMD1206
1	R5	10k	Resistor SMD1206
6	R8-R13	0.3	Ceramic Resistor AC07
4	R14-R17	0.03	Resistor SMD2512
2	R18-R19	470	Resistor SMD1206

Sub-totals:

11 Integrated Circuits

Quantity	References	Value	description
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2	U1-U2	MCP4725	DAC SOT23-6
2	U3, U11	LM358N	DUAL Operational Amplifier SO8
1	U4	AD8565AKS	Operational Amplifier SOT65P210X110-5N
2	U5-U6	PC817	Optocoupler DIL04
1	U7	INA219AID	Bi-Directional CURRENT/POWER MONITOR with I2TM Interface
1	U8	LM35	LM35DT Temperature Sensor TO220
1	U9	PCF8574	I2C LCD Driver
1	U10	7812	Voltage Regulator 12V 1A

Sub-totals:

2 Transistors

Quantity	References	Value	description
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1	Q1	IRF5210	P-FET Transistor TO220
1	Q3	IRL2910	N-FET Transistor TO220

Sub-totals:

19 Miscellaneous

Quantity	References	Value	description
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2	F1-F2	20A	Fuse 16A+ Holder SH32
5	J1-J3, J5-J6	TBLOCK-M2	5202-03-N-02
1	LCD2	LCD 16X2	I2C LCD Display
1	LED1	LED-GREEN	LED 5MM
1	LED2	LED-RED	LED 5MM
1	LS1	SOUNDER	PIEZO BPT-24X
1	NANO1	ARDUINO NANO V2	

SW1-SW7

Tactile SWITCH 10-XX

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