

Bill Of Materials for ASSCHARG_SCH

Design Title ASSCHARG_SCH
Author
Document Number
Revision
Design Created 14 апреля 2026 г.
Design Last Modified 17 апреля 2026 г.
Total Parts In Design 53

0 Modules

Quantity	References	Value	description
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Sub-totals:

9 Capacitors

Quantity	References	Value	description
9	C1-C9	47u	Capacitor SMD1206

Sub-totals:

12 Resistors

Quantity	References	Value	description
4	R1-R4	0.3	Resistor 3W SM2512
4	R5-R6,R11-R12	10K	Resistpr SMD1206
2	R7-R8	0.2	Resistor 5W Ceramic
2	R9-R10	5K	Resistpr SMD1206

Sub-totals:

8 Integrated Circuits

Quantity	References	Value	description
1	U1	MCP4725	12-Bit Digital-to-Analog Converter with EEPROM Memory in SOT-23-6
1	U2	LM358N	Dual Operational Amplifiers
1	U3	INA219AID	Bidirectional Current/Power Monitor With I2C Interface
2	U4-U5	INA168	High-Side Measurement CURRENT SHUNT MONITOR
1	U6	LM35	
1	U7	PCF8574	I2C LCD Driver
1	U8	7809	Voltage Regulator 9V 1A TO220

Sub-totals:

4 Transistors

Quantity	References	Value	description
2	Q1-Q2	NTF3055L108	NFET Transistor SOT-223
2	Q3-Q4	IRL2910	NFET TO220

Sub-totals:

20 Miscellaneous

Quantity	References	Value	description
1	EN1	Optical Encoder	Encoder 15mm
2	F1-F2	16A	Fuse + Holder 20mm
4	J1-J4	TBLOCK-M2	Terminal Connector 5mm
1	J5	TBLOCK-M3	Terminal Connector 5mm
1	LCD2	LCD 16X2	LCD DISPLAY I2C
1	NANO1	ARDUINO NANO V2	
3	RL1-RL3	12V	RELAY SLA-12VDC-SL-A
1	RV2	10K	Resistor SMD1206 1%
6	SW1-SW6		TACTILE SWITCH B3F-10XX

Sub-totals:

Totals: