

Bill Of Materials for Thyrttest_sch

0 Modules

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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Sub-totals:

16 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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16	C1-C16	0.47u	CapacitorSMD1206
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Sub-totals:

22 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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5	R1-R2,R4-R5,R9	10K	RESISTOR SMD1206
1	R3	39k	RESISTOR SMD1206
2	R6-R7	39K	RESISTOR SMD1206
2	R8,R17	1K	RESISTOR SMD1206
4	R10-R11,R15-R16	2.5k	RESISTOR SMD1206
6	R12-R14,R18-R20	0.3	POWER RESISTOR 20W RWM10X65
1	R21	220	RESISTOR SMD1206
1	R23	100	RESISTOR SMD2512

Sub-totals:

10 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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1	U1	PCF8574	I2C LCD MODULE
2	U2-U3	MCP4725	12-Bit Digital-to-Analog Converter SOT-23-6
3	U4-U6	OPA552PA	High-Voltage, High-Current OPERATIONAL AMPLIFIERS
3	U7,U9-U10	INA168	High-Side Measurement CURRENT SHUNT MONITOR
1	U8	PC817	High Density Mounting Type Photocoupler PC817

Sub-totals:

6 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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4	Q1,Q3-Q4,Q6	BSS138	N-Channel Logic Level Enhancement Mode Field Effect Transistor
2	Q2,Q5	IRL2910	HEXFET Power MOSFET 100V 48A 200W

Sub-totals:

17 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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2	AC-DC1-AC-DC2	IRM10-12	AC-DA CONVERTER 12V 10W
1	ARD1	ARDUINO NANO R3	
1	D6	LED-GREEN	LED 5MM
4	J1-J4	TBLOCK-M2	MKDSN1,5-2-5,08
1	J5	TBLOCK-M3	5202-03-N-02-11MM
1	LCD1	LCD 16X2 V2	I2C LCD DISPLAY
2	RL1-RL2	12V	RELAY G2R DPDT
5	SW1-SW5		TACTILE SWITCH

Sub-totals:

Totals:

21 февраля 2026 г. 10:37:27