Bill Of Materials for PC POWERTEST IGBT SCH2

Design Title PC POWERTEST IGBT SCH2
Author
Document Number
Revision
Design Created 10 ноября 2026 г.
Design Last Modified 10 ноября 2026 г.
Total Parts In Design 85

0 Modules

Quantity	References	Value	description
Sub-totals:			

7 Capacitors

Quantity	References	Value	description
3	C1-C3	10u	Through Hole Capacitor
1	C4	0.01u	Through Hole Capacitor
2	C5-C6	2.2u	Through Hole Capacitor
1	C17	1u	Through Hole Capacitor
Sub-totals:			

33 Resistors

Quantity	References	Value	description
3	R1-R3	50K	Through Hole Resistor
3	R4,R8,R11	4K7	Through Hole Resistor
1	R5	0.1	Through Hole Resistor3W AC05
2	R6,R9	4.7K	Through Hole Resistor
2	R7,R10	3K3	Through Hole Resistor
2	R12-R13	36K	Through Hole Resistor
2	R14-R15	18K	Through Hole Resistor
2	R16-R17	11K	Through Hole Resistor
12	R18,R21-R26, R29-R33	0.3	RKWP338 Current Sense Resistors 1% 20W
2	R19,R27	10k	Through Hole Resistor
2	R20,R28	4k7	Through Hole Resistor
Sub-totals:			

7 Integrated Circuits

Quantity	References	Value	description
2	U1-U2	LM358N	Dual Operation Amplifier DIP8
1	U3	LM358N	Dual Operational Amplifier
2	U4-U5	LM35DT	Temperature sensor TO220
2	U6-U7	,	
Sub-totals:			

6 Transistors

Quantity	References	Value	description
3	Q1-Q3	NTF3055L108	N-Channel, Logic Level, SOT-223 3. 3A
1	Q4	IRL2910	MOSFET TO220
2	Q5-Q6	FT100R12RT4	34mmmodulewithfastTrench/FieldstopIGBT4andEmitterControlled4diode
Sub-totals:			

32 Miscellaneous

Quantity	References	Value	description
1	ARD1	ARDUINO MEGA 2560	
1	ARD2	,	
1	J1	ATX24PIN	
1	J3	ATX6PIN	
1	J4	ATX8PIN	

2	J8-J9	TBLOCK-M2	
2	J10-J11	24PIN CONNECTOR 2.54MM 2ROW	24 Position Receptacle Connector 0.100 (2.54mm) Through Hole, Right Angle Gold
1	LCD2	ST7735R	TFT COLOR DISPLAY
2	PL1-PL2	Con-harting-v 24pin	
2	PL3-PL4	Con-harting-angl 24pin	
2	RL1-RL2	NVF4-3C-Z60b	AUTOMOTIVE RELAY MURDTD 12V 60A
1	RL3	12V	RELAY G2R
2	RV1-RV2	6K8	TRIMMER R-TRIMM74W
2	RV3-RV4	6k8	TRIMMER R-TRIMM74W
11	SW1-SW11		Tactile Switch B3F-40XX

Sub-totals:

Totals:

10 ноября 2026 г. 17:24:05