

Bill Of Materials for RTRAD_TKR1_SCH

0 Modules

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

6 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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1	C1	47u	CAPACITOR EL. SMC-D
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5	C2-C6	0.47u	CAPACITOR SMD1206
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Sub-totals:

15 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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4	R1-R2,R8-R9	0.015	RESISTOR SMD2512 2W
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4	R3-R4,R6-R7	10	POWER RESISTOR KH216-8 10 Ohm 10w
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1	R5	10k	RESISTOR SMD 1206
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2	R10,R13	4K7	RESISTOR SMD1206
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1	R11	0.1	POWER RESISTOR KH216-8 0.1 Ohm 10w
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1	R12	1K	RESISTOR SMD1206
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2	R14-R15	10K	RESISTOR SMD1206
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Sub-totals:

5 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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2	U1-U2	LM35DT	TEMP. SENSOR LM35DT TO220
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2	U3-U4	INA219AID	Bi-Directional CURRENT/POWER MONITOR with I2TM Interface
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1	U5	TLC2272	Advanced LinCMOSE RAIL-TO-RAIL OPERATIONAL AMPLIFIERS
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Sub-totals:

5 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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2	Q1,Q3	MTP10N10EL	MOSFET N-CHANNEL 10A TO220
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2	Q2,Q5	BSS138	N-CHANNEL MOSFET SOT-23
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1	Q4	IRL2910	N-Channel MOSFET Transistor TO220
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Sub-totals:

16 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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1	ARD2	ARDUINO NANO R3	
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2	D1-D2	TS4148	DIODE SMD
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4	J1-J4	5202-03-N-02	
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1	LCD2	LCD 16X2 V2	
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2	RV1-RV2	10k	POTENTIOMETER PTV09
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6	SW1-SW6		TACTILE SWITCH B3F-10XX
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