

Bill Of Materials for Charg_func_tsch

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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4	C1-C4	1u	SMD1206
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2	C5-C6	47u	
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Sub-totals:

10 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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1	R1	15K	Through Hole Resistors 0.25W
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3	R2,R9-R10	10K	Through Hole Resistors 0.25W
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1	R3	330	Through Hole Resistors 0.25W
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3	R4-R6	0.3	Through Hole Power Resistors 10W
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1	R7	0.01	Through Hole Power Resistors 5W
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1	R8	1K	Through Hole Resistors 0.25W
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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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1	U1	PC817	High Density Mounting Type Photocoupler
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1	U2	LM358N	Low-Power, Dual-Operational Amplifier
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1	U3	INA219AID	Voltage-Current Sensor I2C
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1	U4	LM35	Analoque Temperature Sensor
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1	U5	7805	
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Sub-totals:

2 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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1	Q1	IRF4905	P-CHANNEL MOSFET -55V -74A TO220
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1	Q2	IRFB3207	N-CHANNEL MOSFET 75V 180A
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Sub-totals:

14 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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1	D1	STPS20SM60D	DIODE SCHOTTKY 60V 20A TO220AC
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1	D2	1N4732A	ZENER DIODE 4.7V
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1	F1	10A	FUSE 10A
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1	L1	12V	AUTOMOTIVE LAMP 50W 12A
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1	LCD2	LCD 16X2	I2C LCD DISPLAY 16X2
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1	MOD1	POWER SUPPLAY	15V 10Adc
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1	NANO1	ARDUINO NANO V2	
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1	RV1	1K	POTENTIOMETER
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6	SW1-SW6		Tactile Switch
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Sub-totals: