

Bill Of Materials for UPS pour Raspberry PI

Design Title UPS pour Raspberry PI
Author
Document Number
Revision
Design Created Thursday, April 27, 2017
Design Last Modified Thursday, April 27, 2017
Total Parts In Design 89

4 Condensateurs

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	C1	1000uF	<u>ECR1VPT102MFF501220</u>	\$0.85
1	C2	220uF	<u>ECA1HHG221B</u>	\$0.45
1	C3	0.1uF	<u>453099</u>	\$0.50
1	C4	2.2uF	<u>EEA-GA1H2R2H</u>	\$0.55

Sub-totals:

\$2.35

21 Résistances

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	R1	3.34	<u>MF0207FTE52-3R3</u>	\$0.15
3	R2-R4	200	<u>MF0W4FF2000A50</u>	\$0.20
7	R5-R9,R11-R12	10k	<u>MF0W4FF1002A50</u>	\$0.20
2	R10,R2C	6k8	<u>MF0W4FF6801A50</u>	\$0.20
2	R13-R14	56k	<u>MF0W4FF5602A20</u>	\$0.20
2	R15-R16	2k	<u>MF0W4FF2001A50</u>	\$0.20
1	R0C	16k5	<u>MF0W4FF1652A10</u>	\$0.20
1	R1C	21k	<u>MF0W4FF2102A10</u>	\$0.20
1	R4A	5k5	<u>MF0W4FF5491A10</u>	\$0.20
1	R5B	1k3	<u>MF0W4FF1301A50</u>	\$0.20

Sub-totals:

\$4.15

2 Circuits intégrés

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	U1	PIC18F25K22	<u>PIC18F25K22-I/SP</u> <u>SPDIP-28</u>	\$3.85
1	U2VREG	7805	<u>L7805CV</u>	\$0.40

Sub-totals:

\$4.25

7 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
2	Q1,Q4	IRLIB9343	<u>IRLIB9343</u>	\$1.35
2	Q2,Q5	BC547	<u>BC547B</u>	\$0.20
1	Q3	IRLB3813	<u>IRLB3813PBF</u>	\$1.95
2	Q6-Q7	2N7000	<u>2N7000</u>	\$0.30

Sub-totals:

\$5.65

7 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
2	D1,D3	SB320	<u>SB320</u>	\$0.70
1	D2	YELLOW	<u>L 53 YD</u>	\$0.15
1	D4	GREEN	<u>L 53 GD</u>	\$0.15
1	D5	RED	<u>L 53 HD</u>	\$0.15
1	D6	BAT48	<u>BAT48</u>	\$0.35
1	D7	1N5819	<u>1N5819</u>	\$0.30

Sub-totals:

\$2.50

1 Miscellaneous

Sub-totals:				\$2.20
22 Connecteurs				
<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	J6	Bouton Poussoir	1825910-2	\$0.25
1	J7	Support CI 28 poles	ICFG28/7	\$0.60
1	J2ACC	B02B-XASK-1	B02B-XASK-1	\$0.50
1	J2ACC1	Acc. Li Ion	US18650VTC5A	\$12.95
5	J2ACC2-J2ACC3,J3I2C1-J3I2C3	BXA-001T-P0.6	BXA-001T-P0.6	\$0.20
1	J2ACC4	XAP-02V-1	XAP-02V-1	\$0.25
1	J3I2C	B03B-XASK-1	B03B-XASK-1	\$0.70
1	J3I2C4	XAP-03V-1	XAP-03V-1	\$0.30
1	J4RASP	barrette mâle 2x20	944-13-040-00	\$1.15
1	J4RASP1	Cable plat 40	49900051	\$2.75
2	J4RASP2-J4RASP3	Embase femelle 20x2	PV40OZ	\$0.60
1	J5PICKIT	barrette mâle coudée 6 pôles	088-1-006-0-S-XS0-1080	\$0.40
1	J6ICD	RJ12 MEB6/6PL	MEB6/6PL	\$0.75
1	P1ALIM	DC-10-PCB	FC681478	\$1.00
1	P1ALIM1	Cable Jummelé 2 x 0.5mm2	LiY-Z 49900249	\$0.75
1	P1ALIM2	Conn. Basse Tension Male Droit 5.5/2.1	Cliff FC6814785	\$1.10
1	P1ALIM3	Conn. Basse Tension Male coudé 5.5/2.1	BKL 072115	\$1.35
Sub-totals:				\$27.00

1 Dissipateurs				
<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	T1	V4330N	V4330N	\$1.50
Sub-totals:				\$1.50

24 Quincaillerie				
<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
4	QUINQ1-QUINQ4	Ecrou M3	DIN 439 A4 M3	\$0.05
2	QUINQ5-QUINQ6	Goujon de distance 10mm	6035/10 M3	\$0.45
4	QUINQ7-QUINQ10	Goujon de distance 25mm	6035/25 M3	\$0.45
6	QUINQ11-QUINQ16	Rondelle M3	D9021:A2K M3	\$0.02
8	QUINQ17-QUINQ24	Vis à tête bombée M3	815322 M3	\$0.03
Sub-totals:				\$3.26

Totals:				\$52.86
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