

Bill Of Materials for UPS pour Raspberry PI

Design Title UPS pour Raspberry PI
Author
Document Number
Revision
Design Created Tuesday, October 25, 2016
Design Last Modified Wednesday, February 15, 2017
Total Parts In Design 68

3 Condensateurs

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	C1	1000uF	<u>UVY1V221MPD</u>	\$0.40
1	C2	220uF	<u>UVY1V221MPD</u>	\$0.40
1	C3	3.3pF	<u>451576</u>	\$0.30

Sub-totals:

\$1.10

17 Résistances

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	R1	3.34	<u>MF0W4FF1782A10</u>	\$0.20
3	R2-R4	200	<u>MF0W4FF2000A50</u>	\$0.20
7	R5-R9, R11-R12	10k	<u>MF0W4FF1002A50</u>	\$0.20
1	R10	6K8	<u>MF0W4FF4991A50</u>	\$0.20
1	R0C	16k5	<u>MF0W4FF1782A10</u>	\$0.20
1	R1C	21k	<u>MF0W4FF1872A10</u>	\$0.20
1	R2C	6k8	<u>MF0W4FF4991A50</u>	\$0.20
1	R4A	5k5	<u>MF0W4FF5491A10</u>	\$0.20
1	R5B	1k3	<u>MF0W4FF1301A50</u>	\$0.20

Sub-totals:

\$3.40

2 Circuits intégrés

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	U1PIC	PIC18F1320	<u>PIC18F1320-I/P</u>	\$4.80
1	U2VREG	7805	<u>L78S05CV</u>	\$0.50

Sub-totals:

\$5.30

3 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	Q1	IRLIB9343	<u>IRLIB9343</u>	\$1.35
1	Q2	BC547	<u>BC547B</u>	\$0.20
1	Q3	IRLB3813	<u>IRLB3813PBF</u>	\$1.95

Sub-totals:

\$3.50

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>	\$15.00
1	D6	BAT48	<u>BAT48</u>	\$0.35
1	D7	1N5819	<u>1N5819</u>	\$0.30

Sub-totals:

\$17.35

1 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	L1	22uH	<u>744750420220</u>	\$2.20

Sub-totals:

\$2.20

14 Connecteurs

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
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5	J2ACC1-J2ACC2,J3I2C1-J3I2C3	BXA-001T-P0.6	<u>BXA-001T-P0.6</u>	\$0.20
1	J2ACC3	XAP-02V-1	<u>XAP-02V-1</u>	\$0.25
1	J3I2C	B03B-XASK-1	<u>B03B-XASK-1</u>	\$0.70
1	J4RASP	barrette mâle 2x20	<u>944-13-040-00</u>	\$1.15
1	J4RASP1	Cable plat 40	<u>49900051</u>	\$2.75
1	J4RASP2	Embase femelle 20x2	<u>PV40OZ</u>	\$0.60
1	J5PICKIT	barrette mâle coudée 6 pôles	<u>088-1-006-0-S-XS0-1080</u>	\$0.40
1	J6ICD	RJ12 MEB6/6PL	<u>MEB6/6PL</u>	\$0.75
1	P1ALIM	DC-10-PCB	<u>FC681478</u>	\$1.00

Sub-totals: \$9.10

1 Dissipateurs

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	T1	V4330N	<u>V4330N</u>	\$1.50

Sub-totals: \$1.50

20 Quincaillerie

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
4	QUINQ1-QUINQ4	Ecrou M3	<u>DIN 439 A4 M3</u>	\$0.05
4	QUINQ5-QUINQ8	Goujon de distance 15mm	<u>6035/15 M3 M3</u>	\$0.40
4	QUINQ9-QUINQ12	Rondelle M3	<u>D9021:A2K M3</u>	\$0.02
8	QUINQ13-QUINQ20	Vis à tête bombée M3	<u>815322 M3</u>	\$0.03

Sub-totals: \$2.12

Totals: \$45.57

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