

# 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** Friday, January 13, 2017  
**Total Parts In Design** 63

## 2 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
Sub-totals:				\$0.80

## 12 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
3	R5,R7-R8	10k	<u>MF0W4FF1002A50</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:				\$2.40

## 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	78L05	<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

## 5 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
2	D1,D3	SBT1040	<u>SBT1040</u>	\$0.60
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
Sub-totals:				\$16.50

## 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

## 17 Connecteurs

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
2	J1ACC,J2ACC	B02B-XASK-1	<u>B02B-XASK-1</u>	\$0.50
7	J1ACC1-J1ACC2,J2ACC1-J2ACC2,J3I2C1-J3I2C3	BXA-001T-P0.6	<u>BXA-001T-P0.6</u>	\$0.20
2	J1ACC3,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	J5ICD	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
Sub-totals:				\$9.25

#### 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

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Totals: \$43.57

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