

Bill Of Materials for pic18f-bldc-controller-vd

Design Title pic18f-bldc-controller-vd
Author
Document Number
Revision
Design Created Wednesday, November 16, 2016
Design Last Modified Friday, November 18, 2016
Total Parts In Design 126

18 Condensateurs

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
3	C1,C4,C7	470nF	<u>C320C474M5U5TA+</u>	\$0.60
3	C2,C5,C8	10nF	<u>C315C103K1R5TA+</u>	\$0.25
7	C3,C6,C9-C10,C15-C17	0.1uF	<u>C320C104M5U5TA+</u>	\$0.25
1	C11	1000uF	<u>SY 1000uF/35V</u>	\$0.40
2	C12,C18	220uF	<u>UVY1V221MPD</u>	\$0.40
1	C13	22uF	<u>ECE-A1VN220U</u>	\$0.70
1	C14	0.1uF	<u>EEU-FC2A2R2</u>	\$0.50
Sub-totals:				\$6.70

21 Résistances

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
6	R1-R2,R4-R5,R7-R8	13	<u>MF0207FTE52-13R</u>	\$0.15
3	R3,R6,R9	33k	<u>MF0207FTE52-33K</u>	\$0.15
7	R10-R14,R16-R17	4k7	<u>MF0207FTE52-4K7</u>	\$0.15
4	R15,R18-R20	150	<u>MF0207FTE52-150R</u>	\$0.15
1	RV1	10k	<u>AB 4114503545</u>	\$1.25
Sub-totals:				\$4.25

9 Circuits intégrés

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
3	U1-U3	IR2301	<u>IR2301PBF</u>	\$3.60
1	U4	PIC18F25K22	<u>PIC18F25K22-I/SP</u>	\$3.85
1	U5	L78S05CV	<u>L78S05CV</u>	\$0.50
3	U1A1,U2A1,U3A1	Support CI 8 pôles	<u>2050000074158</u>	\$0.25
1	U4A1	Support CI 28 pôles	<u>2050000074271</u>	\$0.60
Sub-totals:				\$16.50

6 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
6	Q1-Q6	IRLB3813PBF	<u>IRLB3813PBF</u>	\$1.95
Sub-totals:				\$11.70

7 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
6	D1-D6	BAT48	<u>BAT48</u>	\$0.35
1	D7	L 53 HD	<u>L 53 HD</u>	\$0.15
Sub-totals:				\$2.25

8 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
1	WI1	10AWG Silicone Wire 1m (Red)	<u>78181</u>	\$2.84
1	WI2	EC5 Female Connector	<u>92426</u>	\$0.50

1	WI3	3.5mm 3 wire Bullet-connector	<u>10255</u>	\$1.00
1	WI4	12AWG Silicone Wire 1m (Blue)	<u>78184</u>	\$1.46
1	WI5	12AWG Silicone Wire 1m (Red)	<u>78182</u>	\$1.98
1	WI6	12AWG Silicone Wire 1m (Yellow)	<u>78185</u>	\$1.46
1	WI7	10AWG Silicone Wire 1m (Black)	<u>78180</u>	\$2.84

Sub-totals: \$14.28

33 Connecteurs

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	J1	B06B-XASK-1	<u>B06B-XASK-1</u>	\$1.25
1	J2	B04B-XASK-1	<u>B04B-XASK-1</u>	\$0.85
1	J3	B03B-XASK-1	<u>B03B-XASK-1</u>	\$0.70
1	J4	B02B-XASK-1	<u>B02B-XASK-1</u>	\$0.50
1	J5	RJ12 MEB6/6PL	<u>MEB6/6PL</u>	\$0.75
1	J6	FC68148	<u>FC681478</u>	\$1.00
1	J7	MTS-101	<u>SP 165</u>	\$0.90
1	J8	barrette mâle coudée 6 pôles	<u>088-1-006-0-S-XS0-1080</u>	\$0.40
1	J1A1	XAP-06V-1	<u>XAP-06V-1</u>	\$0.45
15	J1B1-J1B6, J2B1-J2B4, J3B1-J3B3, J4B1-J4B2	BXA-001T-P0.6	<u>BXA-001T-P0.6</u>	\$0.20
1	J2A1	XAP-04V-1	<u>XAP-04V-1</u>	\$0.35
1	J3A1	XAP-03V-1	<u>XAP-03V-1</u>	\$0.30
1	J4A1	XAP-02V-1	<u>XAP-02V-1</u>	\$0.25
1	J6A1	Connecteur basse tension mâle	<u>FC6814785</u>	\$1.10
5	P1-P2, P11-P13	746594RG	<u>93014c243</u>	\$0.15

Sub-totals: \$12.57

9 Dissipateurs

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
7	T1, T3-T8	SCI A18-9B	<u>A18-9B</u>	\$0.95
1	T2	SK 482 100 SA	<u>10101589</u>	\$8.15
1	T9	V4330N	<u>V4330N</u>	\$1.50

Sub-totals: \$16.30

15 Quincaillerie

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
5	QUINQ1, QUINQ4, QUINQ7, QUINQ10, QUINQ13	ECROU M3	<u>106857</u>	\$0.02
5	QUINQ2, QUINQ5, QUINQ8, QUINQ11, QUINQ14	ROND. M3	<u>194723</u>	\$0.02
5	QUINQ3, QUINQ6, QUINQ9, QUINQ12, QUINQ15	VIS M3	<u>815322</u>	\$0.04

Sub-totals: \$0.40

Totals: \$84.95

Sunday, December 4, 2016 9:13:18 AM