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 Con	densateurs			
		Value	Stock Code	Lloit
_	References	<u>Value</u>	Stock Code	<u>Unit</u> <u>Cost</u>
3	C1,C4,C7	470nF	C320C474M5U5TA+	\$0.60
3	C2,C5,C8	10nF	C315C103K1R5TA+	\$0.25
7	C3,C6,C9-C10,C15-C17	0.1uF	C320C104M5U5TA+	\$0.25
1	C11	1000uF	SY 1000uF/35V	\$0.40
2	C12,C18	220uF	UVY1V221MPD	\$0.40
1	C13	22uF	ECE-A1VN220U	\$0.70
1	C14	0.1uF	EEU-FC2A2R2	\$0.50
Sub-totals	s:			\$6.70
21 Rés	istances			
Quantity	References	<u>Value</u>	Stock Code	<u>Unit</u> <u>Cost</u>
6	R1-R2,R4-R5,R7-R8	13	MF0207FTE52-13R	\$0.15
3	R3,R6,R9	33k	MF0207FTE52-33K	\$0.15
7	R10-R14,R16-R17	4k7	MF0207FTE52-4K7	\$0.15
4	R15,R18-R20	150	MF0207FTE52-150R	\$0.15
1	RV1	10k	AB 4114503545	\$1.25
Sub-totals	s:			\$4.25
9 Circu	its intégrés			
Quantity	References	<u>Value</u>	Stock Code	<u>Unit</u> <u>Cost</u>
3	U1-U3	IR2301	<u>IR2301PBF</u>	\$3.60
1	U4	PIC18F25K22	PIC18F25K22-I/SP	\$3.85
1	U5	L78S05CV	L78S05CV	\$0.50
3	U1A1,U2A1,U3A1	Support Cl 8 pôles	2050000074158	\$0.25
1	U4A1	Support Cl 28 pôles	2050000074271	\$0.60
Sub-totals	S:			\$16.50
3 Trans	istors			
Quantity	References	<u>Value</u>	Stock Code	<u>Unit</u> <u>Cost</u>
6	Q1-Q6	IRLB3813PBF	IRLB3813PBF	\$1.95
Sub-totals	S:			\$11.70
7 Diode	es			
Quantity	References	<u>Value</u>	Stock Code	<u>Unit</u> Cost
6	D1-D6	BAT48	<u>BAT48</u>	\$0.35
1	D7	L 53 HD	<u>L 53 HD</u>	\$0.15
Sub-totals	3:			\$2.25
8 Misce	ellaneous			
	References	<u>Value</u>	Stock Code	<u>Unit</u> <u>Cost</u>
1	L1	22uH	744750420220	\$2.20
1	WI1	10AWG Silicone Wire 1m (Red)	<u>78181</u>	\$2.84
1	WI2	EC5 Female Connector	92426	\$0.50

1 W/3 3.5mm 3 wire Bullet-connector 10255 \$1.00 1 W/4 12AWG Silicone Wire 1m (Blue) 78184 \$1.46 1 W/5 12AWG Silicone Wire 1m (Red) 78185 \$1.40 1 W/6 12AWG Silicone Wire 1m (Red) 78185 \$1.46 1 W/7 10AWG Silicone Wire 1m (Red) 78185 \$1.46 1 W/7 10AWG Silicone Wire 1m (Red) 78180 \$2.84 Sub-totals: \$14.28 33 Connecteurs Quantity References Value Stock Code Unit 1 J1 B06B-XASK-1 B06B-XASK-1 \$0.25 1 J2 B04B-XASK-1 B04B-XASK-1 \$0.25 1 J2 B04B-XASK-1 B04B-XASK-1 \$0.70 1 J3 B03B-XASK-1 B04B-XASK-1 \$0.70 1 J4 B02B-XASK-1 B04B-XASK-1 \$0.70 1 J5 R012 WEB66PL MEB66PL MEB66PL \$0.75 1 J6 F038148 F0681478 \$1.00 1 J7 MTS-101 \$9.165 \$0.90 1 J7 MTS-101 \$9.165 \$0.90 1 J1A1 XAP-06V-1 XAP-06V-1 \$0.45 1 J2A1 XAP-06V-1 XAP-06V-1 \$0.35 1 J2A1 XAP-06V-1 XAP-06V-1 \$0.35 1 J3A1 XAP-06V-1 XAP-06V-1 \$0.25 1 J	1					
1	WIS	1	WI3	3.5mm 3 wire Bullet-connector	<u>10255</u>	\$1.00
Wife	Wild 12AWG Silicone Wire 1m 78185 \$1.46 Wild Wild 10AWG Silicone Wire 1m 78180 \$2.84 Wild Wild 10AWG Silicone Wire 1m 78180 \$2.84 Wild Stock Code Cost Wild Stock Code Cost Wild Wild Stock Code Wild Wild Wild Wild Stock Code Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild Wild W	1	WI4	12AWG Silicone Wire 1m (Blue)	<u>78184</u>	\$1.46
(Yellow) (Yellow) 7.8180 \$2.84 Sub-totals: \$14.28 \$3.42 \$3.50 \$14.28 \$3.60 \$1.42 \$3.50 \$1.42 \$3.50 \$1.25 \$1.28 \$1.28 \$1.28 \$1.20	(Yellow) 1	1	WI5	12AWG Silicone Wire 1m (Red)	<u>78182</u>	\$1.98
Study Stud	State Stat	1	WI6		<u>78185</u>	\$1.46
Stock Code	Name	1	WI7		<u>78180</u>	\$2.84
Description Perferences Value Stock Code Unit Cost	Name Stock Code Unit Cost Cost Code Unit Code	Sub-tota	ıls:	· ·		\$14.28
1	1	33 Cor	nnecteurs			
1	1	Quantity	<u>References</u>	<u>Value</u>	Stock Code	
1	1	1	J1	B06B-XASK-1	B06B-XASK-1	\$1.25
1	1	1	J2	B04B-XASK-1	B04B-XASK-1	\$0.85
1	J5	1	J3	B03B-XASK-1	B03B-XASK-1	\$0.70
1 J6	1	1	J4	B02B-XASK-1	B02B-XASK-1	\$0.50
1	MTS-101 SP_165 \$0.90 J8	1	J5	RJ12 MEB6/6PL	MEB6/6PL	\$0.75
1	barrette måle coudée 6 pôles	1	J6	FC68148	FC681478	\$1.00
SSO-1080	March Marc	1	J7	MTS-101	SP 165	\$0.90
15 J1B1-J1B6,J2B1-J2B4,J3B1-J3B3,J4B1-J4B2 BXA-001T-P0.6 \$0.20 1 J2A1 XAP-04V-1 XAP-04V-1 \$0.35 1 J3A1 XAP-03V-1 XAP-03V-1 \$0.30 1 J4A1 XAP-02V-1 XAP-02V-1 \$0.25 1 J6A1 Connecteur basse tension mâle FC6814785 \$1.10 5 P1-P2,P11-P13 746594RG 93014c243 \$0.15 Sub-totals: 9 Dissipateurs \$12.57 9 Dissipateurs Value Stock Code Unit Cost 7 T1,T3-T8 \$CI A18-9B A18-9B \$0.95 1 T2 \$K 482 100 SA 10101589 \$8.15 1 T9 V4330N \$1.50 Sub-totals: \$16.30 \$16.30 Sub-totals: \$15 QUIncaillerie \$1.50 Quantity References Value \$1.50 \$16.30 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 </td <td> 15</td> <td>1</td> <td>J8</td> <td>barrette mâle coudée 6 pôles</td> <td></td> <td>\$0.40</td>	15	1	J8	barrette mâle coudée 6 pôles		\$0.40
1 J2A1 XAP-04V-1 XAP-04V-1 \$0.35 1 J3A1 XAP-03V-1 XAP-03V-1 \$0.30 1 J4A1 XAP-02V-1 XAP-02V-1 \$0.25 1 J6A1 Connecteur basse tension mâle FC6814785 \$1.10 5 P1-P2,P11-P13 746594RG 93014c243 \$0.15 Sub-totals: \$12.57 9 Dissipateurs Quantity References Value Stock Code Unit Cost 1 T2 SK 482 100 SA 10101589 \$8.15 1 T9 V4330N V4330N \$1.50 Sub-totals: \$16.30 Sub-totals: \$16.30 Cost 7 T1,T3-T8 SCI A18-9B A18-9B \$0.95 1 T2 SK 482 100 SA 10101589 \$8.15 1 T9 V4330N V4330N \$1.50 Sub-totals: \$16.30 Sub-totals: \$16.30 Cost 15 Quincaillerie Quantity References Value Stock Code Unit Cost 5 QUINQ1, QUINQ4, QUINQ7, QUINQ10, ECROU M3 106857 \$0.02 QUINQ13 5 QUINQ2, QUINQ4, QUINQ7, QUINQ11, ROND. M3 194723 \$0.02 QUINQ14 5 QUINQ3, QUINQ6, QUINQ9, QUINQ12, VIS M3 815322 \$0.04	J2A1	1	J1A1	XAP-06V-1	XAP-06V-1	\$0.45
1 J3A1 XAP-03V-1 \$0.30 1 J4A1 XAP-02V-1 \$0.25 1 J6A1 Connecteur basse tension mâle FC6814785 \$1.10 5 P1-P2,P11-P13 746594RG 93014c243 \$0.15 Sub-totals: \$12.57 9 Dissipateurs Quantity References Value Stock Code Unit Cost 7 T1,T3-T8 SCI A18-9B A18-9B \$0.95 1 T2 SK 482 100 SA 10101589 \$8.15 1 T9 V4330N V4330N \$1.50 Sub-totals: \$16.30 15 Quincaillerie Quantity References Value Stock Code Unit Cost 5 QUINQ1,QUINQ4,QUINQ7,QUINQ10, ECROU M3 106857 \$0.02 5 QUINQ1,QUINQ5,QUINQ8,QUINQ11, ROND. M3 194723 \$0.02 QUINQ14 5 QUINQ3,QUINQ6,QUINQ9,QUINQ12, VIS M3 815322 \$0.04	J3A1	15	J1B1-J1B6,J2B1-J2B4,J3B1-J3B3,J4B1-J4B2	BXA-001T-P0.6	BXA-001T-P0.6	\$0.20
1 J4A1 XAP-02V-1 \$0.25 1 J6A1 Connecteur basse tension mâle FC6814785 \$1.10 5 P1-P2,P11-P13 746594RG 93014c243 \$0.15 Sub-totals: \$12.57 9 Dissipateurs Quantity References Value Stock Code Unit Cost 7 T1,T3-T8 SCI A18-9B A18-9B \$0.95 1 T2 SK 482 100 SA 10101589 \$8.15 1 T9 V4330N V4330N \$1.50 Sub-totals: \$16.30 15 Quincaillerie Quantity References Value Stock Code Unit Cost 5 QUINQ1,QUINQ4,QUINQ7,QUINQ10, ECROU M3 106857 \$0.02 QUINQ13 \$0.02 QUINQ14 PA723 \$0.02 QUINQ14 PA723 \$0.02 QUINQ15	J4A1	1	J2A1	XAP-04V-1	XAP-04V-1	\$0.35
1 J6A1 Connecteur basse tension mâle FC6814785 \$1.10 5 P1-P2,P11-P13 746594RG 93014c243 \$0.15 Sub-totals: \$12.57 9 Dissipateurs Quantity References Value Stock Code Unit Cost 7 T1,T3-T8 SCI A18-9B A18-9B \$0.95 1 T2 SK 482 100 SA 10101589 \$8.15 1 T9 V4330N V4330N \$1.50 Sub-totals: \$16.30 15 Quincaillerie Quantity References Value Stock Code Unit Cost 5 QUINQ1,QUINQ4,QUINQ7,QUINQ10, ECROU M3 106857 \$0.02 QUINQ13 \$0.02 QUINQ14 PROPERTIES \$0.04 QUINQ14 PROPERTIES \$0.04 Stock Code Unit Cost Cost 5 QUINQ2,QUINQ5,QUINQ8,QUINQ11, ROND. M3 194723 \$0.02 QUINQ14 \$0.04 QUINQ15	1	1	J3A1	XAP-03V-1	XAP-03V-1	\$0.30
5 P1-P2,P11-P13 746594RG 93014c243 \$0.15 Sub-totals: 9 Dissipateurs \$12.57 Quantity References Value Stock Code Unit Cost 7 T1,T3-T8 SCI A18-9B A18-9B \$0.95 1 T2 SK 482 100 SA 10101589 \$8.15 1 T9 V4330N V4330N \$1.50 Sub-totals: \$16.30 15 Quincaillerie Quantity References Value Stock Code Unit Cost QUINQ1, QUINQ4, QUINQ7, QUINQ10, ECROU M3 106857 \$0.02 5 QUINQ2, QUINQ5, QUINQ8, QUINQ11, ROND. M3 194723 \$0.02 5 QUINQ3, QUINQ6, QUINQ9, QUINQ12, VIS M3 815322 \$0.04	P1-P2,P11-P13 746594RG 93014c243 \$0.15 Sub-totals: \$12.57 Dissipateurs	1	J4A1	XAP-02V-1	XAP-02V-1	\$0.25
Sub-totals: \$12.57 9 Dissipateurs Quantity References	Stock Code	1	J6A1	Connecteur basse tension mâle	FC6814785	\$1.10
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5 QUINQ1, QUINQ4, QUINQ7, QUINQ10, QUINQ11, QUINQ2, QUINQ5, QUINQ5, QUINQ11, QUINQ14 ECROU M3 106857 \$0.02 5 QUINQ2, QUINQ5, QUINQ8, QUINQ11, QUINQ14 ROND. M3 194723 \$0.02 5 QUINQ3, QUINQ6, QUINQ9, QUINQ12, QUINQ15 VIS M3 815322 \$0.04	Cost Cull NQ1, QUINQ4, QUINQ7, QUINQ10, ECROU M3 106857 \$0.02 QUINQ13 \$0.02 QUINQ2, QUINQ5, QUINQ8, QUINQ11, ROND. M3 194723 \$0.02 QUINQ14 VIS M3 815322 \$0.04 QUINQ15 \$0.04 QUINQ15					
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QUINQ15	QUINQ15 Sub-totals: \$0.40	5		ROND. M3	<u>194723</u>	\$0.02
Sub-totals: \$0.40		5		VIS M3	<u>815322</u>	\$0.04
	otals: \$84.95	Sub-tota	ls:			\$0.40