

Report Title

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Contents

1	Section 1	3
1.1	Subsection 1	3
A	Appendix 1	5

List of Figures

List of Tables

1	Component Selection	3
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1 Section 1

1.1 Subsection 1

[1]

Component	Device
Controller Microcontroller	STM32L432KC*
Receiver Microcontroller	STM32F429ZI
Brushless DC Motors	A2212 BLDC Motors
BLDC Motor ESC	Generic no-name 30A ESC
Brushed DC Motor	Dunkermotoren PLG24
Brushed DC Motor Driver	L298N
Controller Batteries	18650 Li-Ion Batteries
Buzzer	Generic no-name buzzer
12V Regulator	12V Fixed LDO*
5V Regulator	12V Fixed LDO*
3V Regulator	12V Fixed LDO*

*selected due to constraints caused by silicon shortage.

Table 1: Component Selection

Details on how the controller microcontroller software and hardware was developed and interfaced within the scope of the project can be found in §?? and §?? respectively.

Details on how the receiver microcontroller software and hardware was developed and interfaced within the scope of the project can be found in §?? and §?? respectively.

Details on how the ESCs were interfaced with can be found in §??.

Details on how the L298N was interfaced with can be found in §??.

Detailed on how the 12V, 5V, and 3V Regulators were interfaced with can be found in §??.

References

- [1] I. M. Team. (Sep 2016) The 7 principles, themes and processes of prince2. [Online]. Available: <https://www.prince2.com/uk/blog/the-7-principles-themes-and-processes-of-prince2>

A Appendix 1