

ELEC5620M Embedded Microprocessor System Design Assignment 1

Alexander Bolton 200938078

March 2019

1 Abstract

Contents

1	Abstract
2	Introduction
3	Code Design and checking
4	Testing
5	Conclusion
6	Appendix
	6.1 Graphics.c/.h 6.1.1 Graphics Header 6.1.2 Graphics initialise 6.1.3 Graphics drawBox 6.1.4 Graphics drawCircle 6.1.5 Graphics drawLine 6.1.6 Graphics drawTriangle 6.1.7 Graphics fillTriangle 6.1.8 Graphics drawPixel 6.2 Timer.c/.h 6.2.1 Timer Header 6.2.2 Timer start 6.2.3 Timer stop 6.3 sevenSeg.c/.h 6.3.1 SDisplay Header 6.3.2 SDisplay clearAll
7	6.3.3 SDisplay set

- 2 Introduction
- 3 Code Design and checking
- 4 Testing
- 5 Conclusion

6 Appendix

- 6.1 Graphics.c/.h
- 6.1.1 Graphics Header
- 6.1.2 Graphics initialise
- 6.1.3 Graphics drawBox
- 6.1.4 Graphics drawCircle
- 6.1.5 Graphics drawLine
- 6.1.6 Graphics drawTriangle
- 6.1.7 Graphics fillTriangle
- 6.1.8 Graphics drawPixel
- 6.2 Timer.c/.h
- 6.2.1 Timer Header
- 6.2.2 Timer start
- 6.2.3 Timer stop
- 6.3 sevenSeg.c/.h
- 6.3.1 SDisplay Header
- 6.3.2 SDisplay clearAll
- 6.3.3 SDisplay set

7 Bibliography