

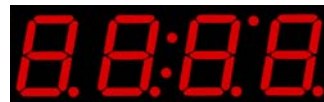
FEATURES

- Based on LiteON LTC-4727 Module 7 Segments 4 Digits + 3 DP
- High Brightness & High Contrast
- Wide viewing angle
- 10.0mm Height
- Built-in driver
- Available LED colors: Yellow or Red
- Common Anode
- RapidSTM32 Segment LED Simulator native support. So you can simulate your LED directly in Matlab/Simulink and also have a working real-world system after code generation. No need for C programming to use a 7 segment LED. So that...
- *...What You Simulate Is What You Get... (WYSIWYG).*
- RoHS compliant.

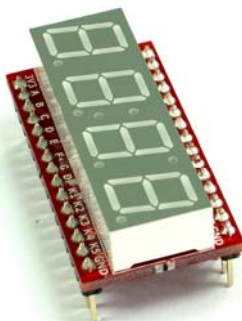
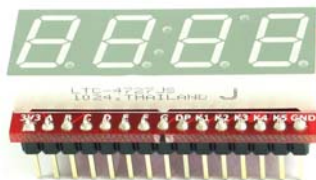
AVAILABLE SELECTION



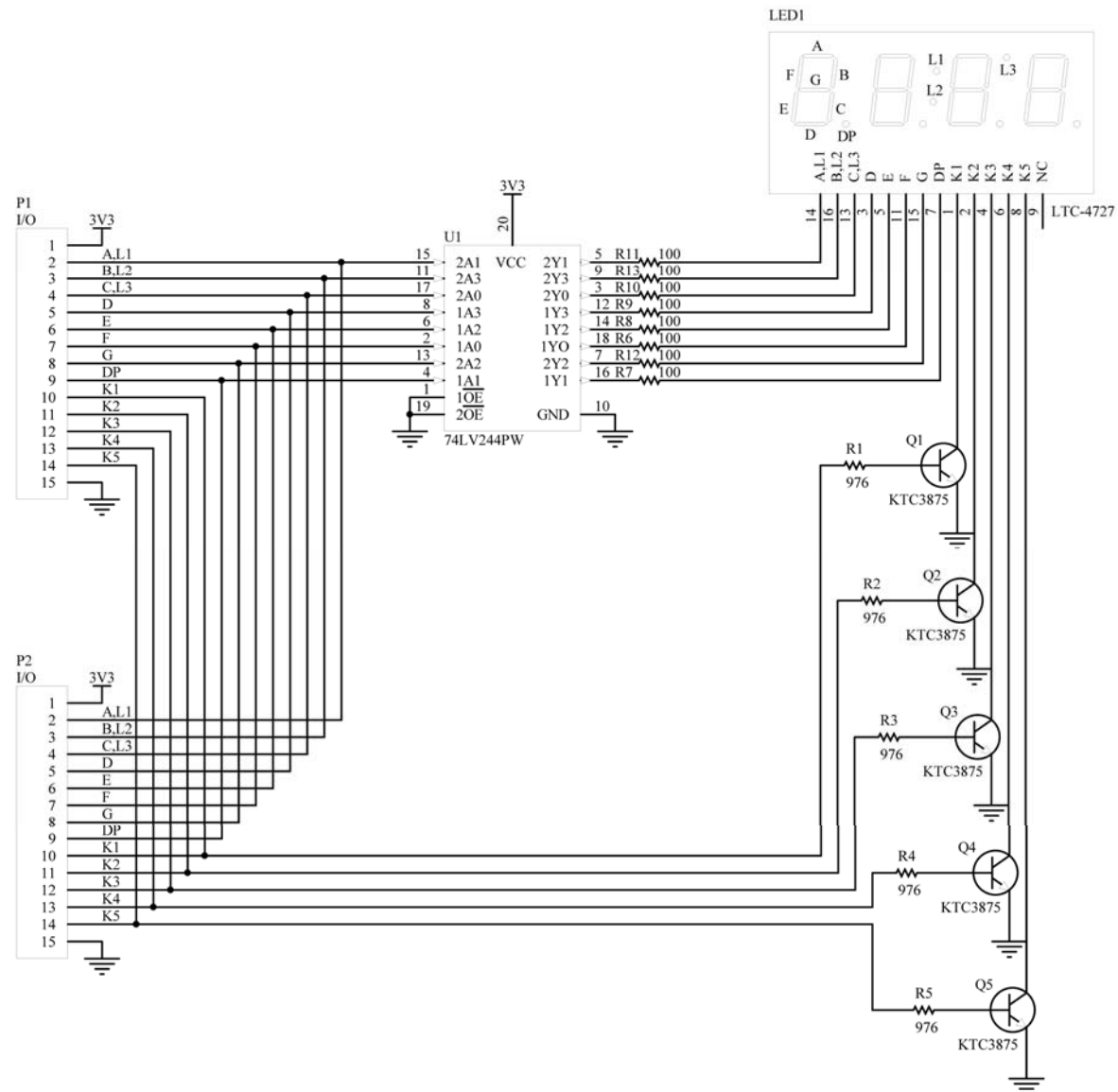
aMG LED7s4d – A – Y



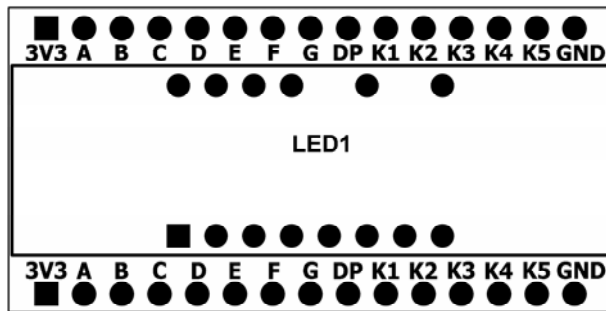
aMG LED7s4d – A – R



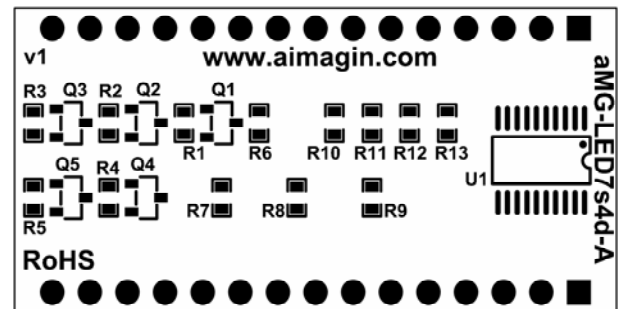
SCHEMATIC DIAGRAM



PCB Layout



Top Side



Bottom Side

Figure 1 aMG LED7s4d - A PCB Layout

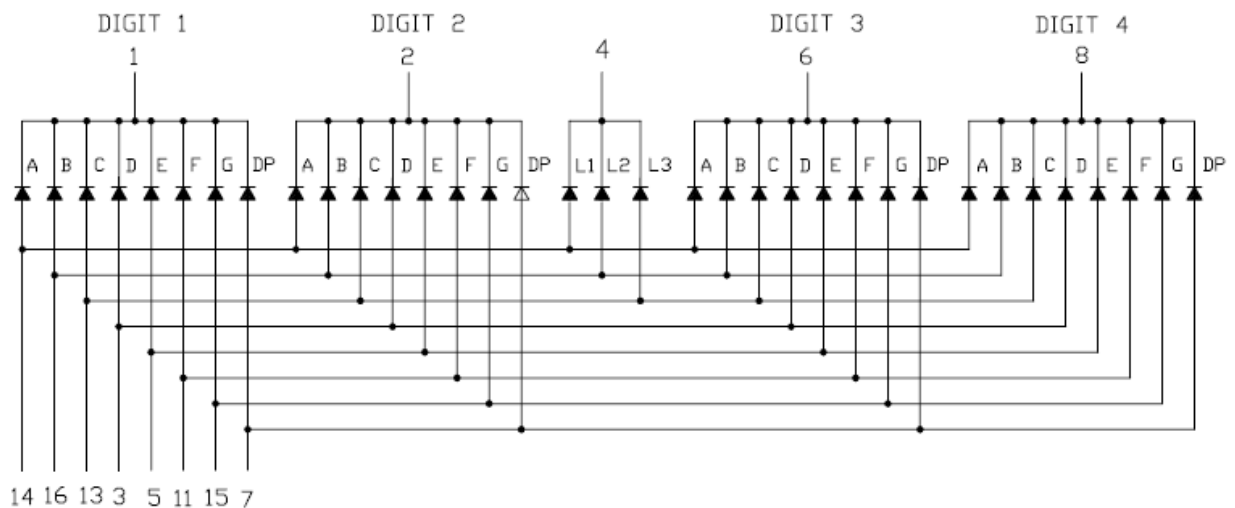


Figure 2 LTC-4727 Internal Circuit Diagram

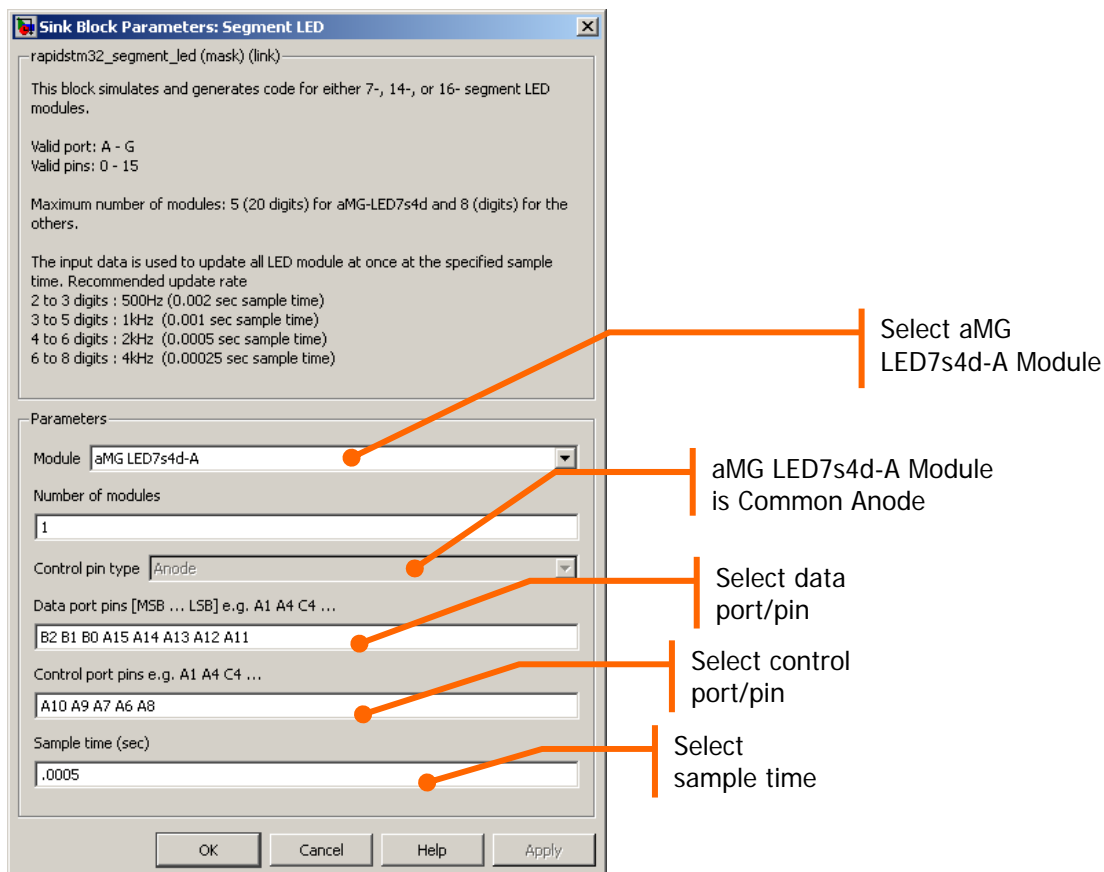


Figure 3 RapidSTM32 Segment LED Simulator Block settings

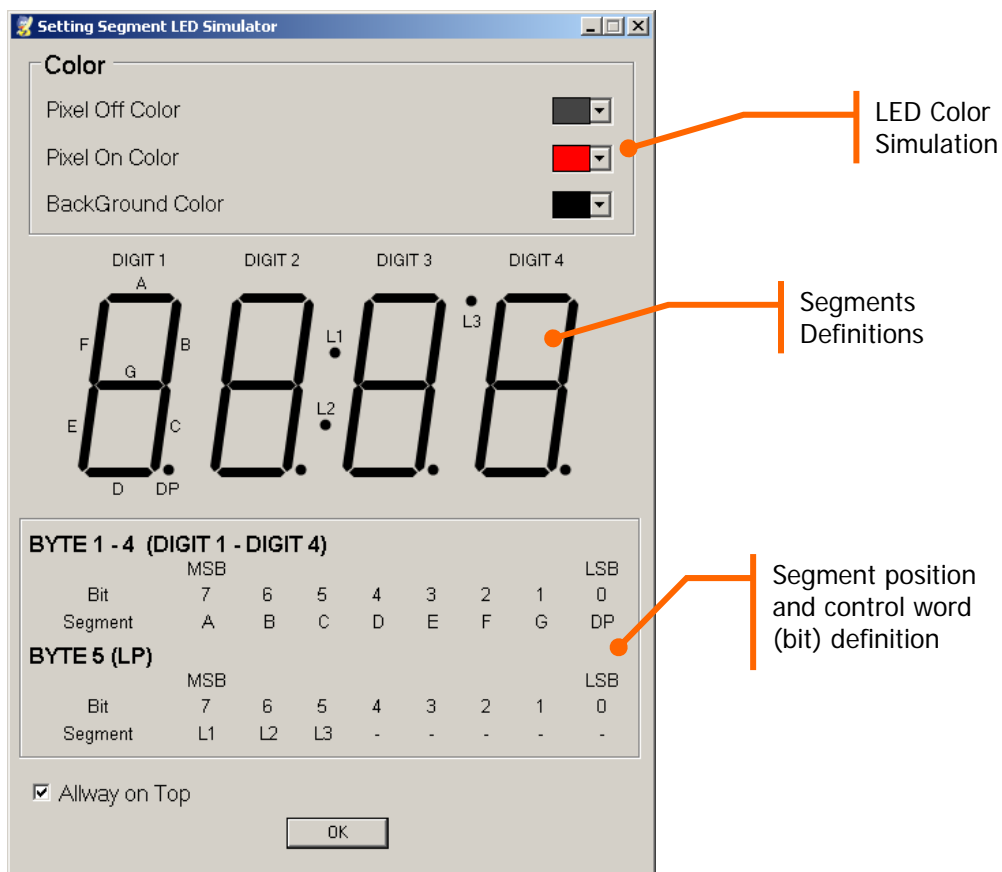
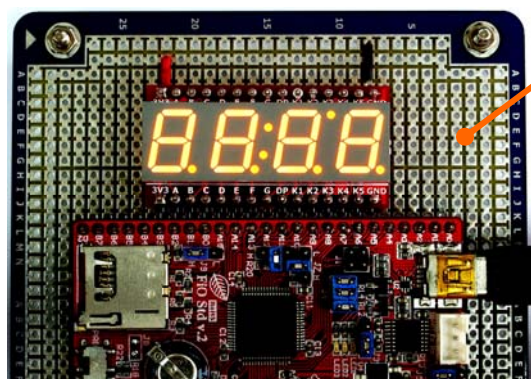


Figure 4 RapidSTM32 7 Segment LED settings

SAMPLE APPLICATION



aMG LED7s4d-A-Y
with aMG Breadboard-B and
FiO Std.

aMG LED7s4d-A-R
with aMG Breadboard-B and
FiO Std.

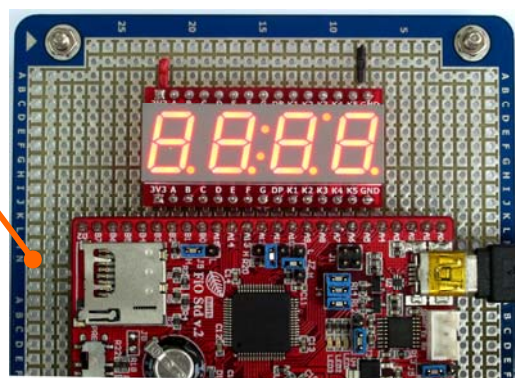


Figure 5 Sample Application with aMG CLCD Std with other aMG breadboards

The following picture shows an example Simulink model that simulates and generates C code for a 7 Segment LED module. The system reads and displays the analog voltage on a LED module. (Visit http://www.aimagin.com/learn/index.php?title=Making_a_simple_volt_meter for more information.)

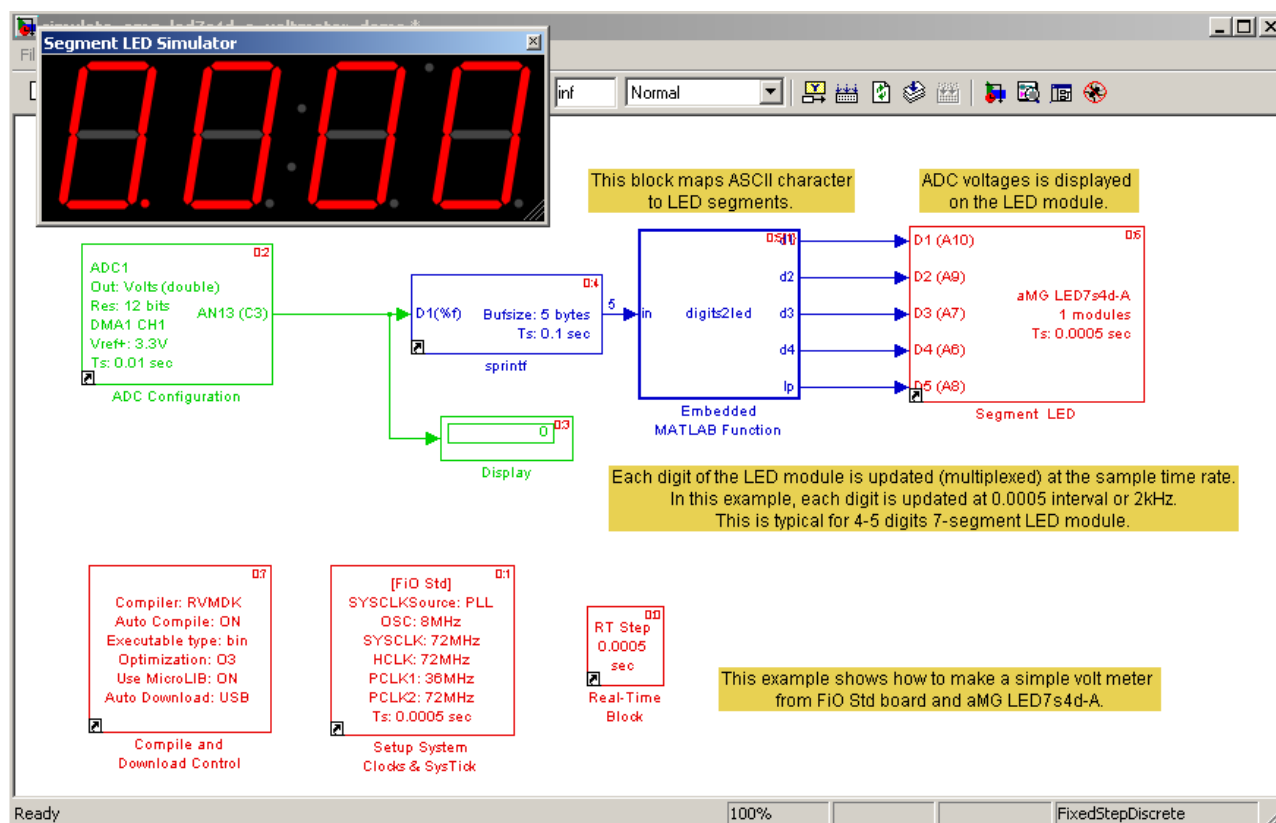
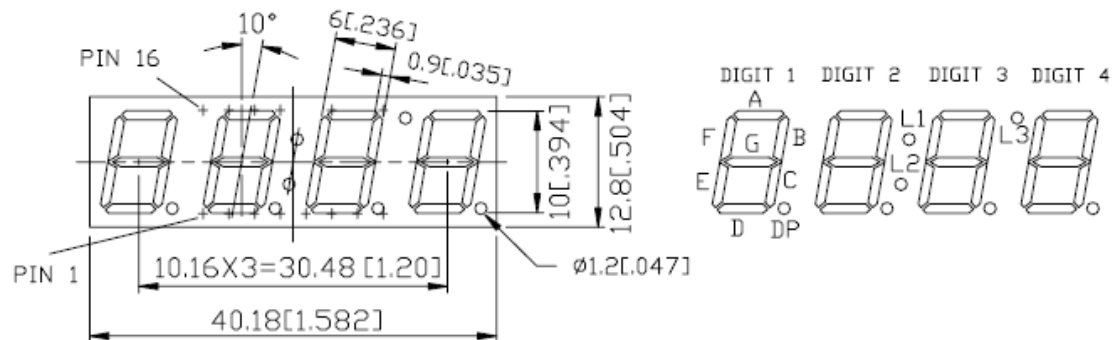
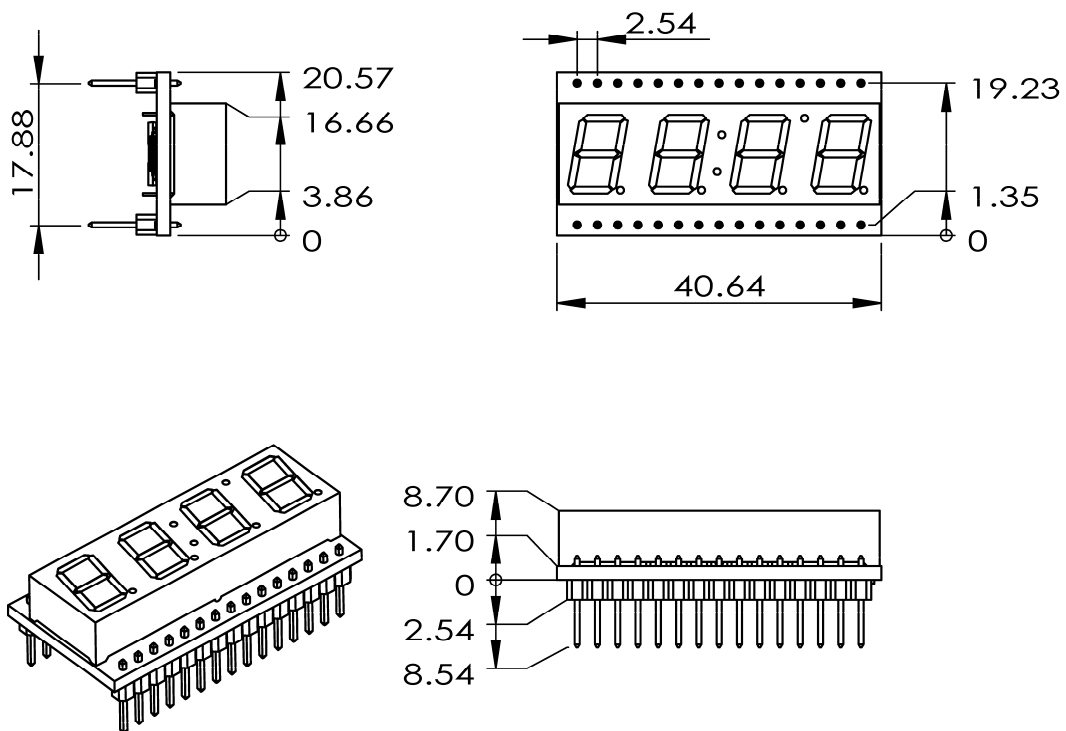


Figure 6 An example usage of RapidSTM32 Segment LED simulator in a volt meter application

LTC - 4727 PACKAGE DIMENSIONS



ENGINEERING DRAWINGS (Units: mm)



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