



# STEVAL-CCM004V1

## TFT LCD panel controller board for the STM3220G-EVAL

Data brief

### Features

- Direct RGB signal driving using the STM32 without on-chip controller requirements
- STM3220G-EVAL based plug-in daughterboard for feature extensibility
- Ready-to-use graphic library APIs for easy GUI design
- Real-time camera image streaming to showcase driver performance
- Onboard constant current drive circuit for an LED based TFT-LCD backlight
- Static image display with refresh rate of 60 frames per second
- RoHS compliant

### Description

The STEVAL-CCM004V1 TFT-LCD panel controller is designed to be connected to the STM3220G-EVAL evaluation kit to demonstrate the capabilities of the STM32F2x high performance flexible static memory interface (FSMC) for a driving TFT-LCD.

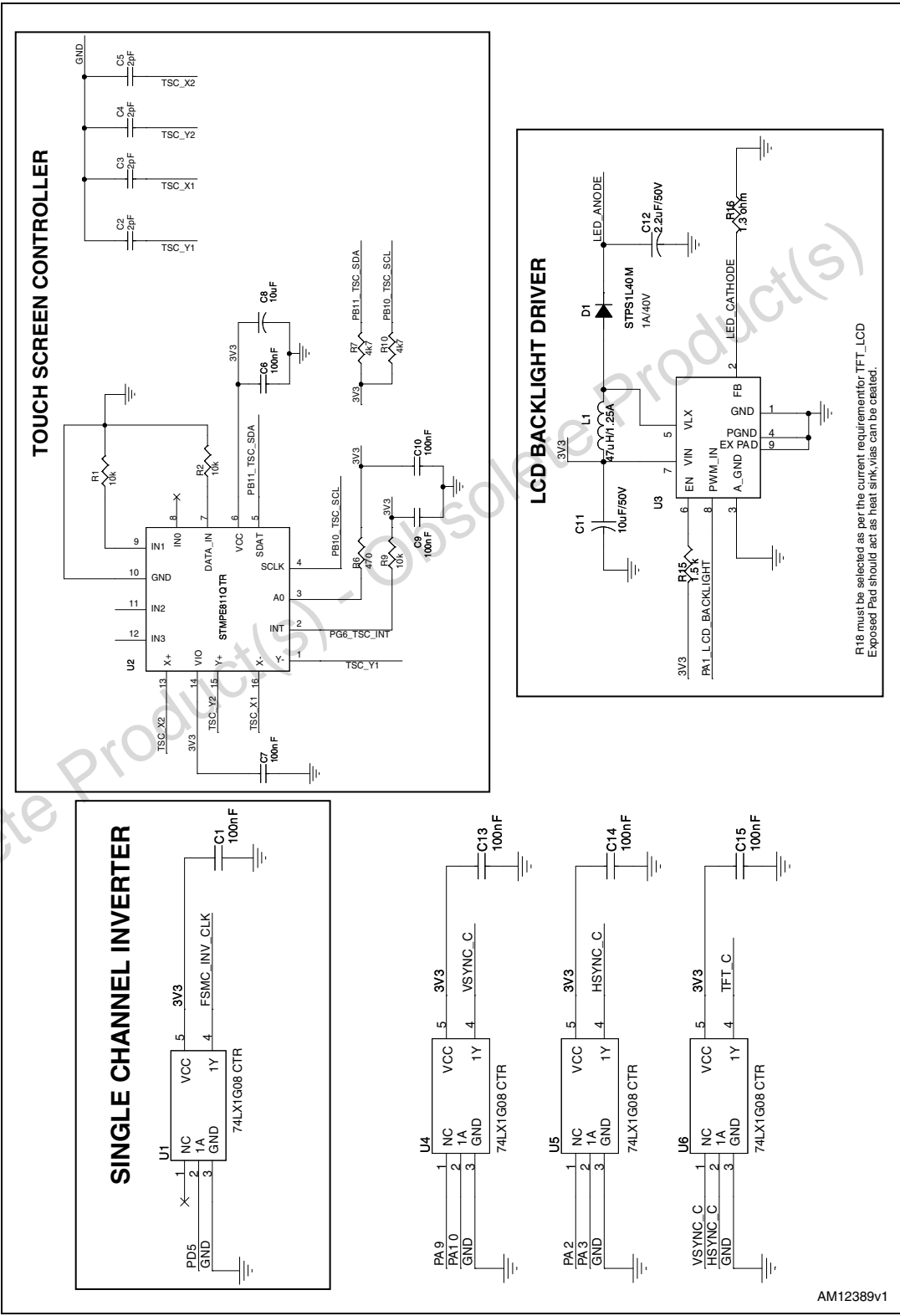
The 3.5" QVGA resolution TFT-LCD panel is interfaced with the STM32 FSMC peripheral.



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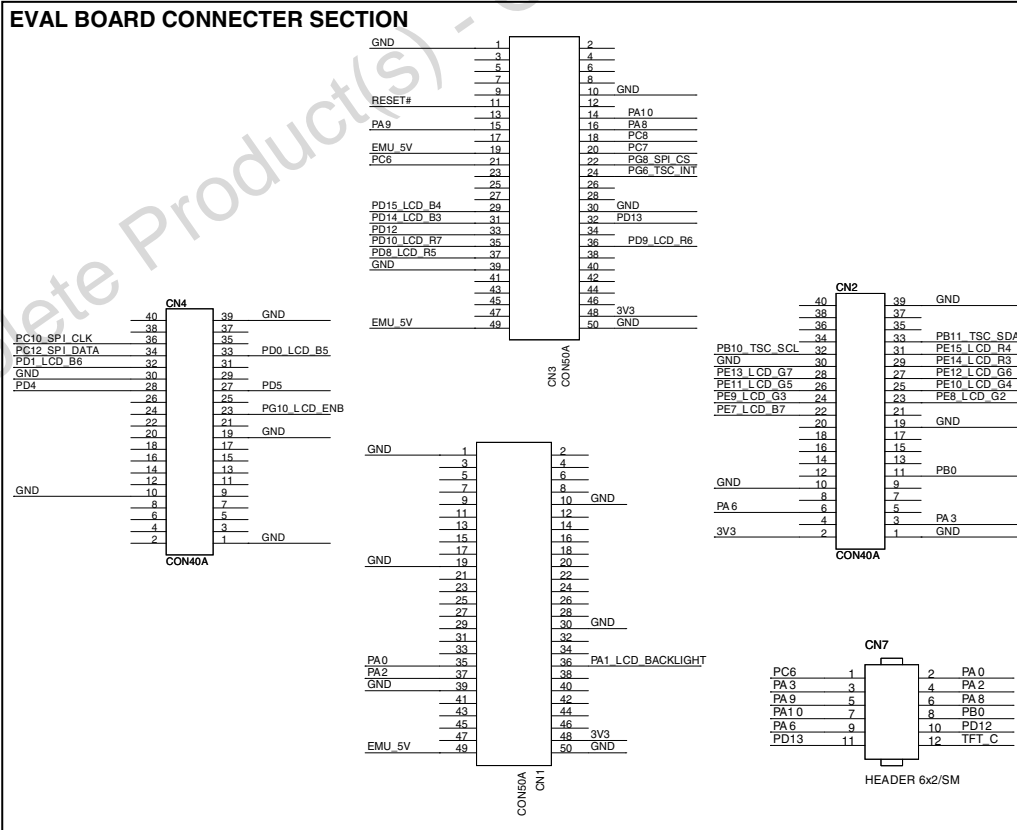
# Schematic

Figure 1. STEVAL-CCM004V1 schematic (part 1)



AM12389v1

AM12390v1



## 2 Revision history

**Table 1. Document revision history**

| Date        | Revision | Changes          |
|-------------|----------|------------------|
| 06-Jul-2012 | 1        | Initial release. |

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