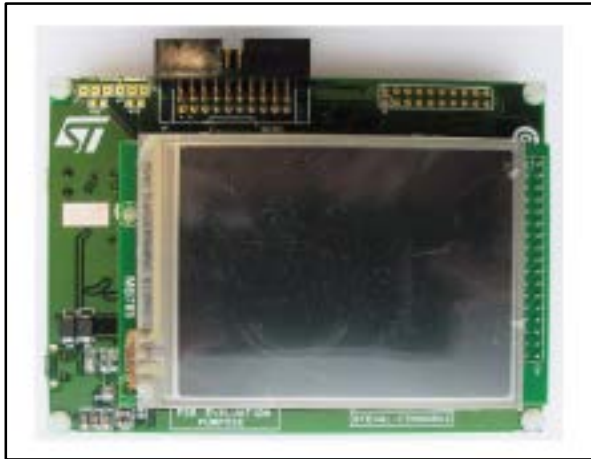


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**STM32F405x based NAND Flash driver evaluation board  
(with TFT MB785/P)**

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Data brief



- RoHS compliant

**Description**

The STEVAL-CCM008V2 is a product evaluation board for a NAND Flash driver based on the STM32F405ZGT6 microcontroller.

It supports 512 byte & 2 kilobyte page SLC NAND Flash, and dynamic detection of NAND Flash based on "Device ID".

The firmware automatically detects which NAND Flash is mounted on the PCB, and functions accordingly.

**Features**

- Designed for 512 byte and 2 kilobyte page size NAND Flash interfacing using the FSMC interface of the STM32
- Supports both FAT (ELM\_FS) file system and USB mass storage device mode
- Supports garbage collection, wear leveling, bad block management & ECC check
- Displays BMP images stored in NAND Flash on MB785/P TFT

# 1 Schematic diagrams

Figure 1: Microcontroller section

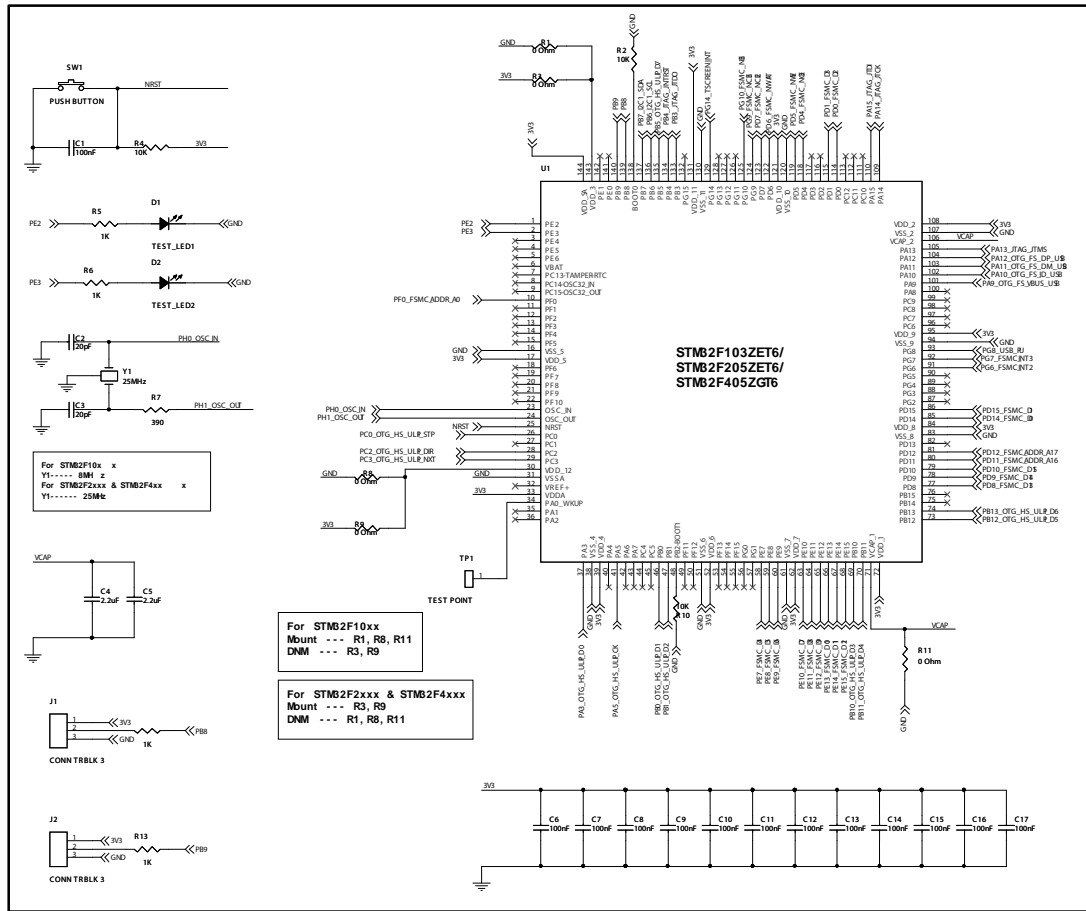


Figure 2: NAND Flash

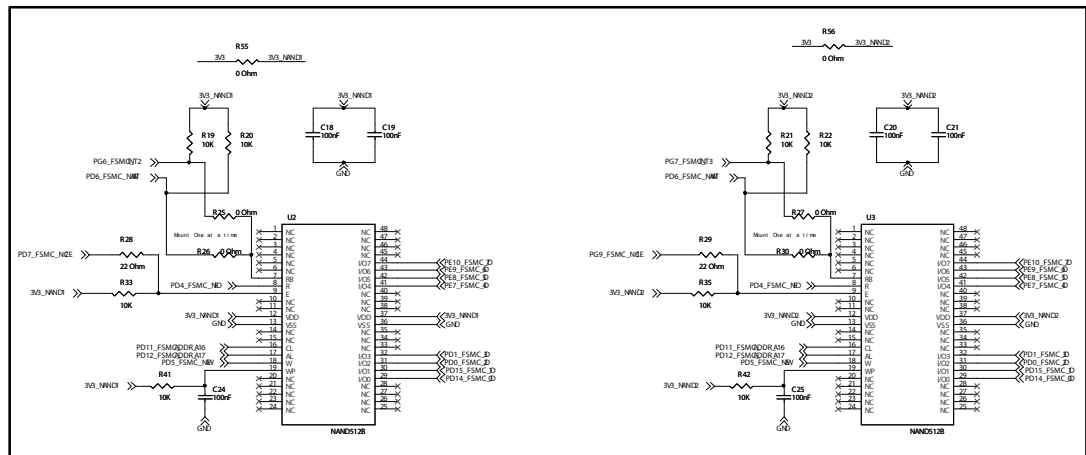


Figure 3: USB full speed

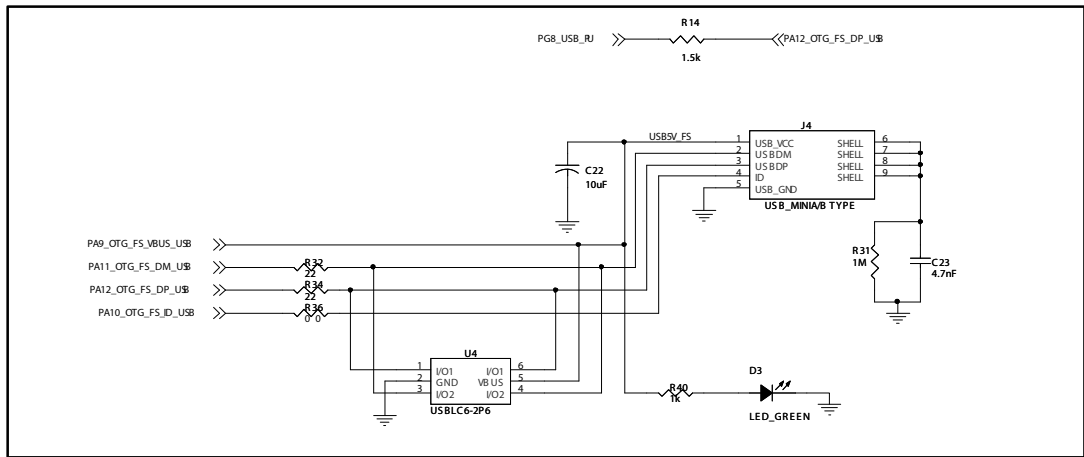


Figure 4: JTAG connector

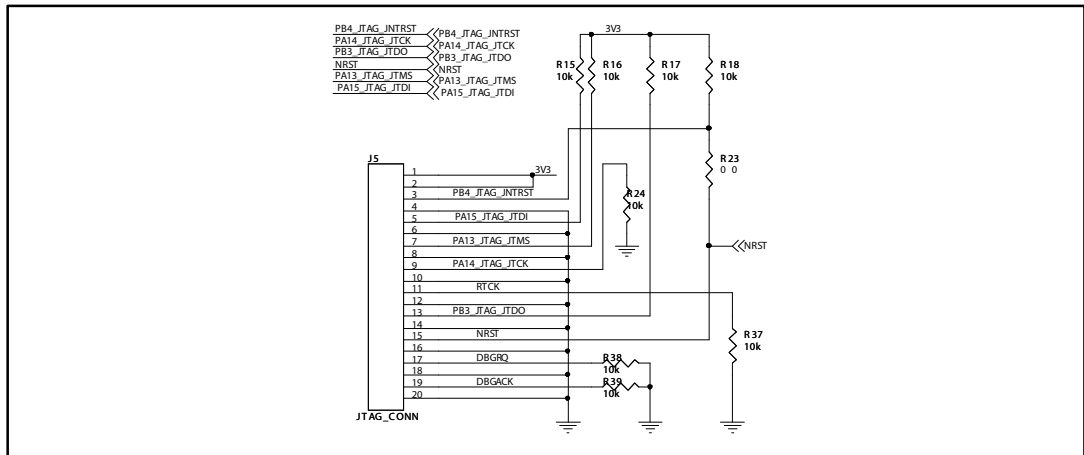


Figure 5: USB high speed

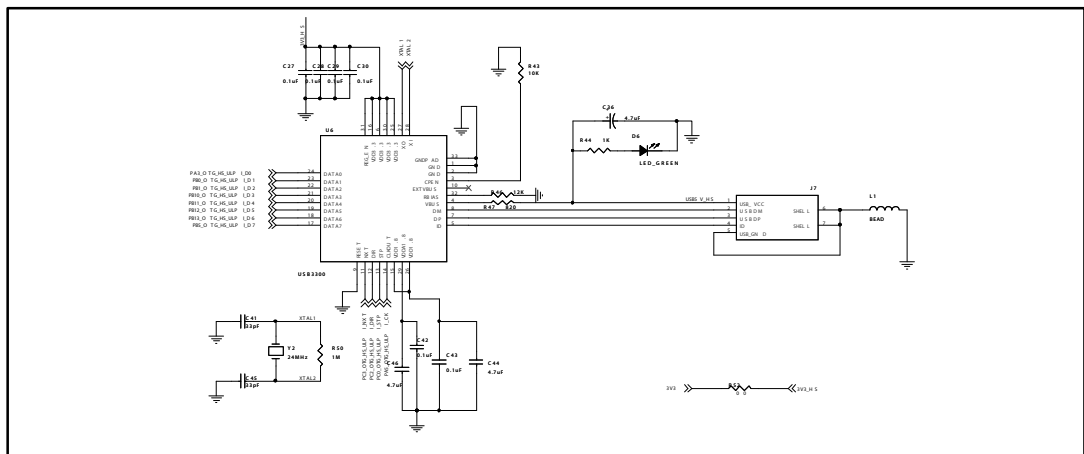


Figure 6: Touch screen controller

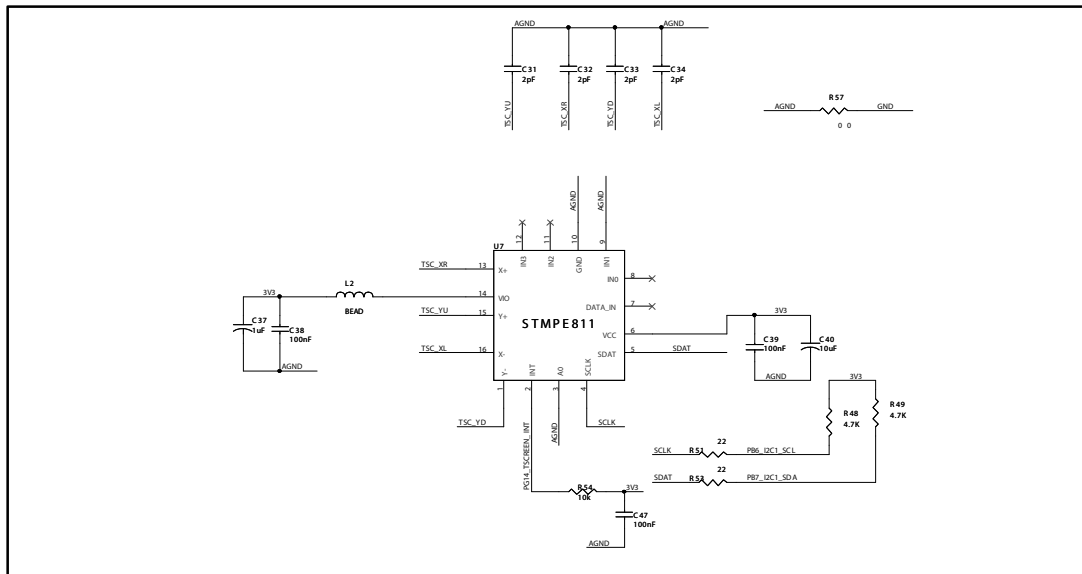


Figure 7: Power section

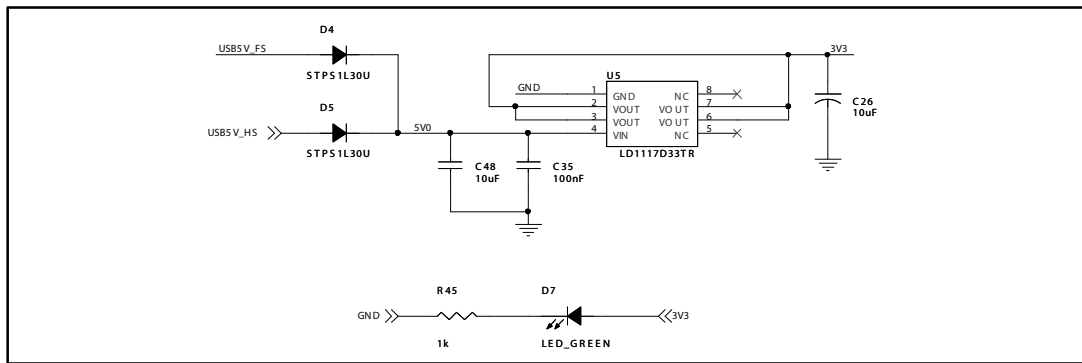


Figure 8: TFT connector

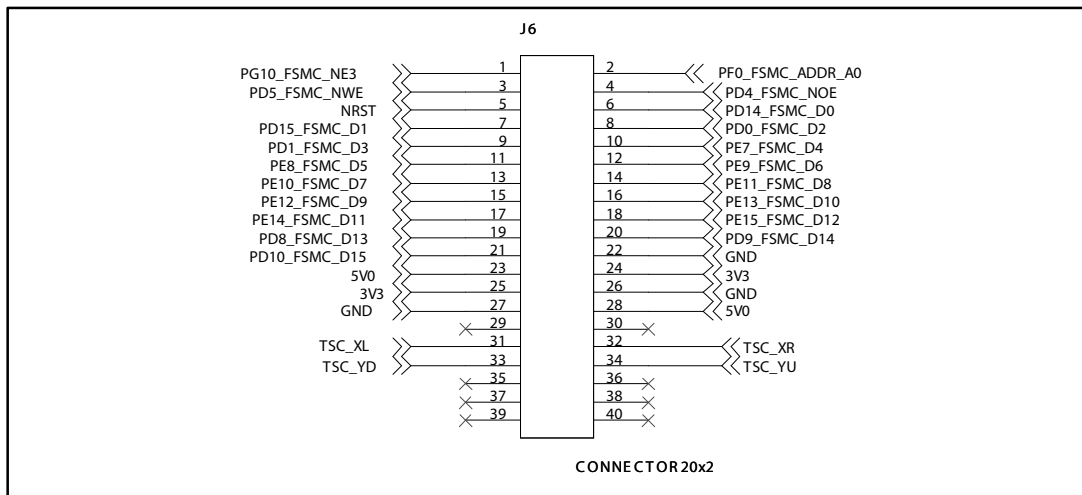
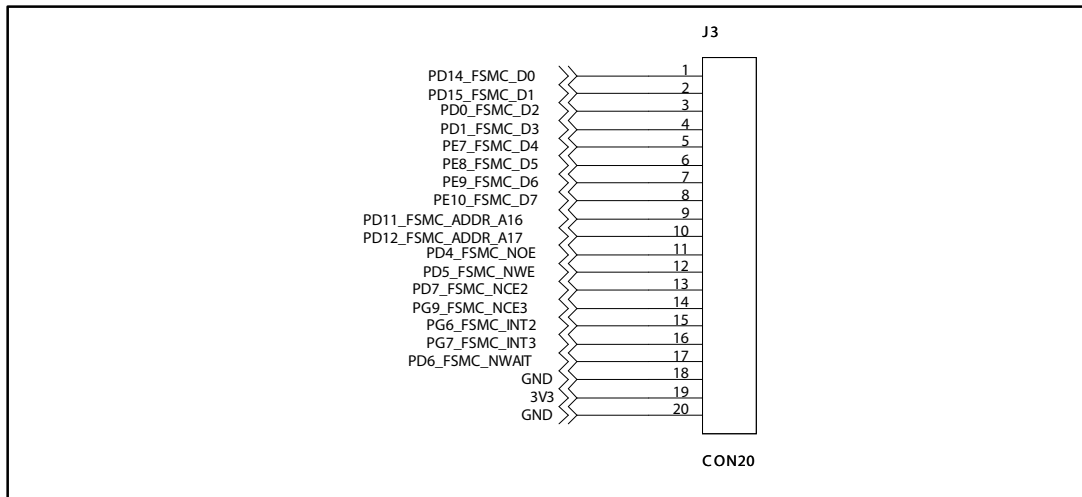


Figure 9: NAND signals



## 2 Revision history

Table 1: Document revision history

Date	Revision	Changes
18-July-2014	1	Initial release.

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