

Note:1. Text in italic placed on a wire doesn't correspond to net name. It just helps to identify rapidly MCU IO related to this wire.

2.R100/R103/R107's pull up power is changed from 3V3 to VDD_IO of U13 from A.1 to B.1

3.CAN_RX is connected to PA11 instead of PA9 and CAN_TX is connected to PA12 instead of PA10 from A.1 to B.1

- 4.SAII_MCLKA is connected to PE2 instead of PG7 by default from A.1 to B.1
- 5. IRDA is removed from A.1 to B.1

6.LEDs' connection are changed, in order to avoid conflict with RGB LCD signals from A.1 to B.1

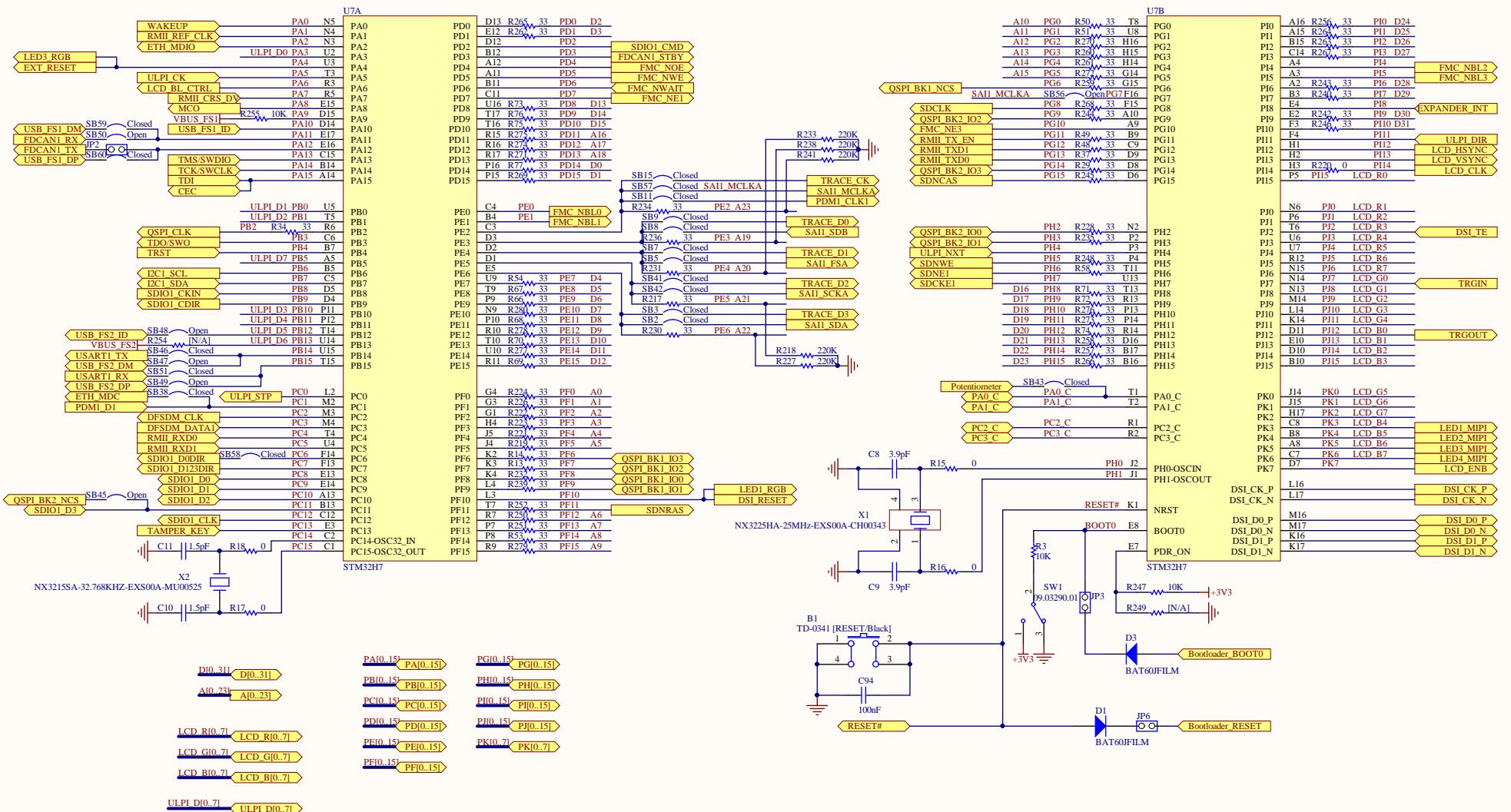
Title: MB1246

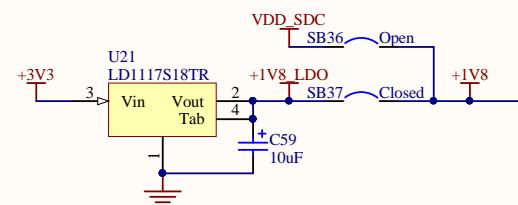
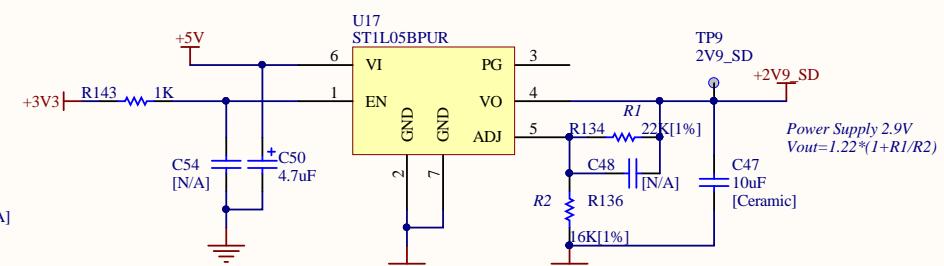
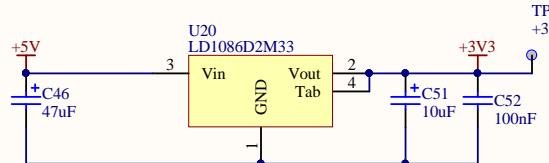
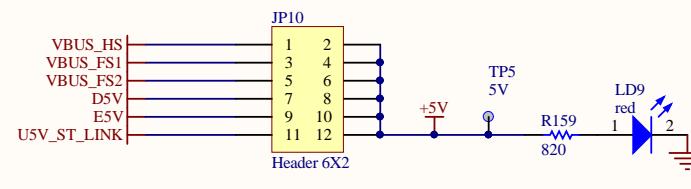
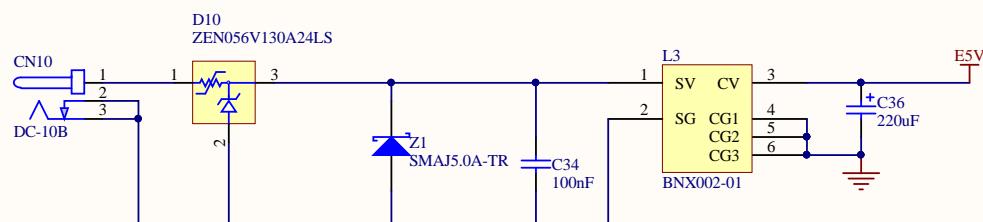
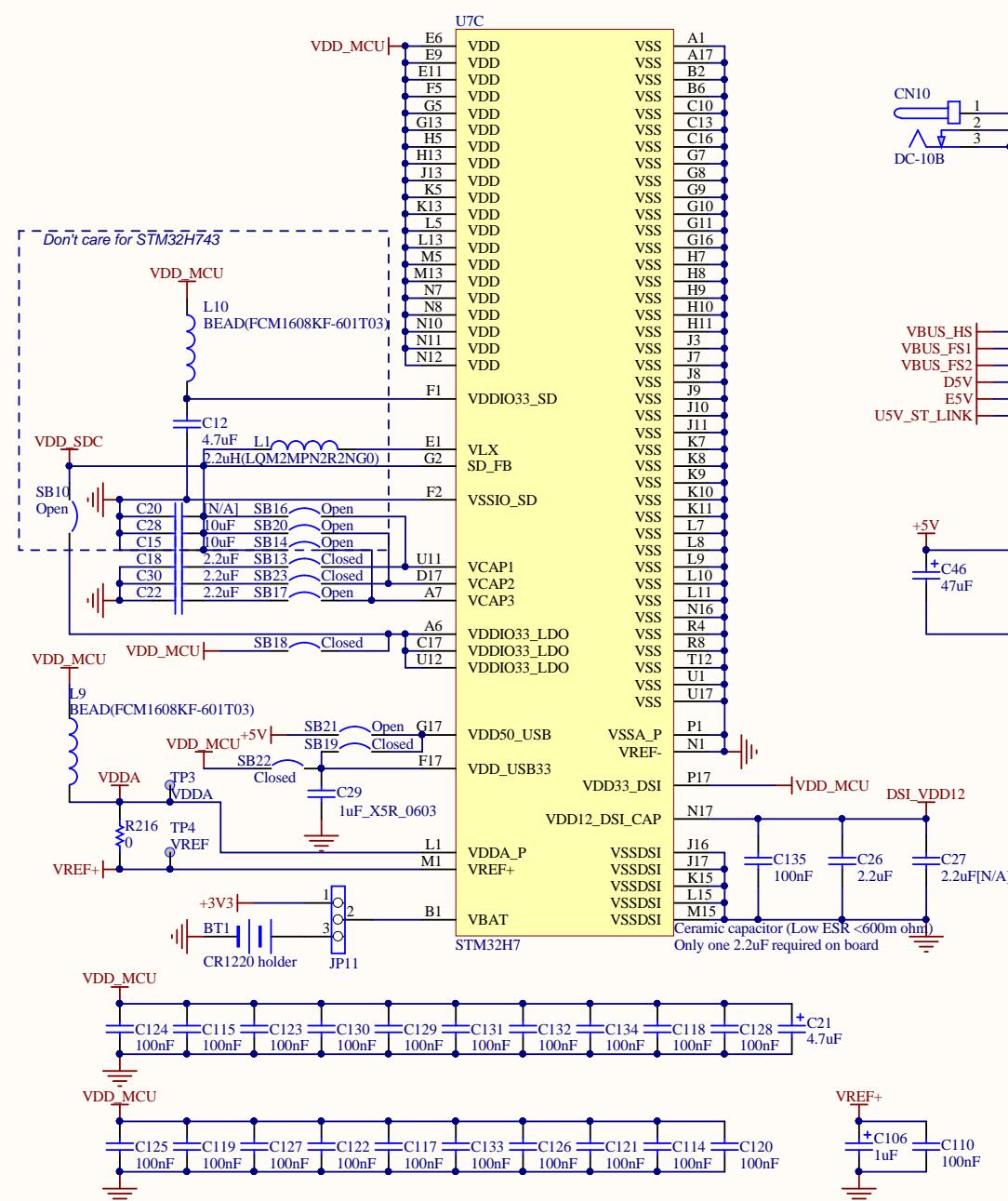
Project: STM32H7xxI-EVAL

Size: A3 Reference: MB1246 Revision: B.1 Date: 8/10/2016 Sheet: 1 of 17

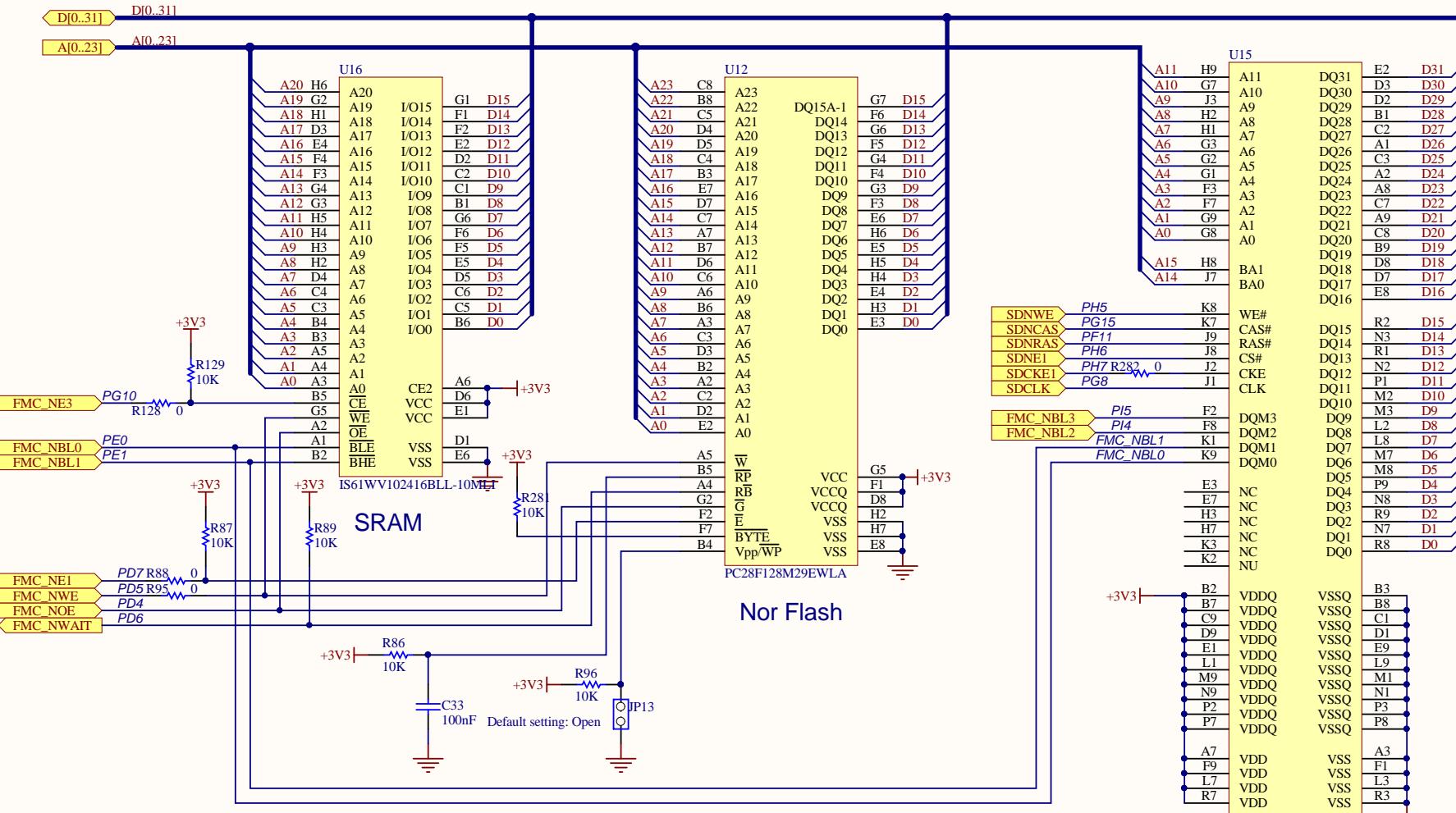
Date: 8/10/2016 Sheet: 1 of 17 [View Document](#)







Title: Power	Project: STM32H7xxI-EVAL	 life...augmented
Size: A4	Reference: MB1246	Revision: B.1
Date: 2/20/2017		Sheet: 3 of 17



+3V3

C146
100nF

Place close SRAM

+3V3

C138
100nF

Place close NOR Flash

+3V3

C159
100nF

Place close SDRAM

Title: SRAM & FLASH & SDRAM

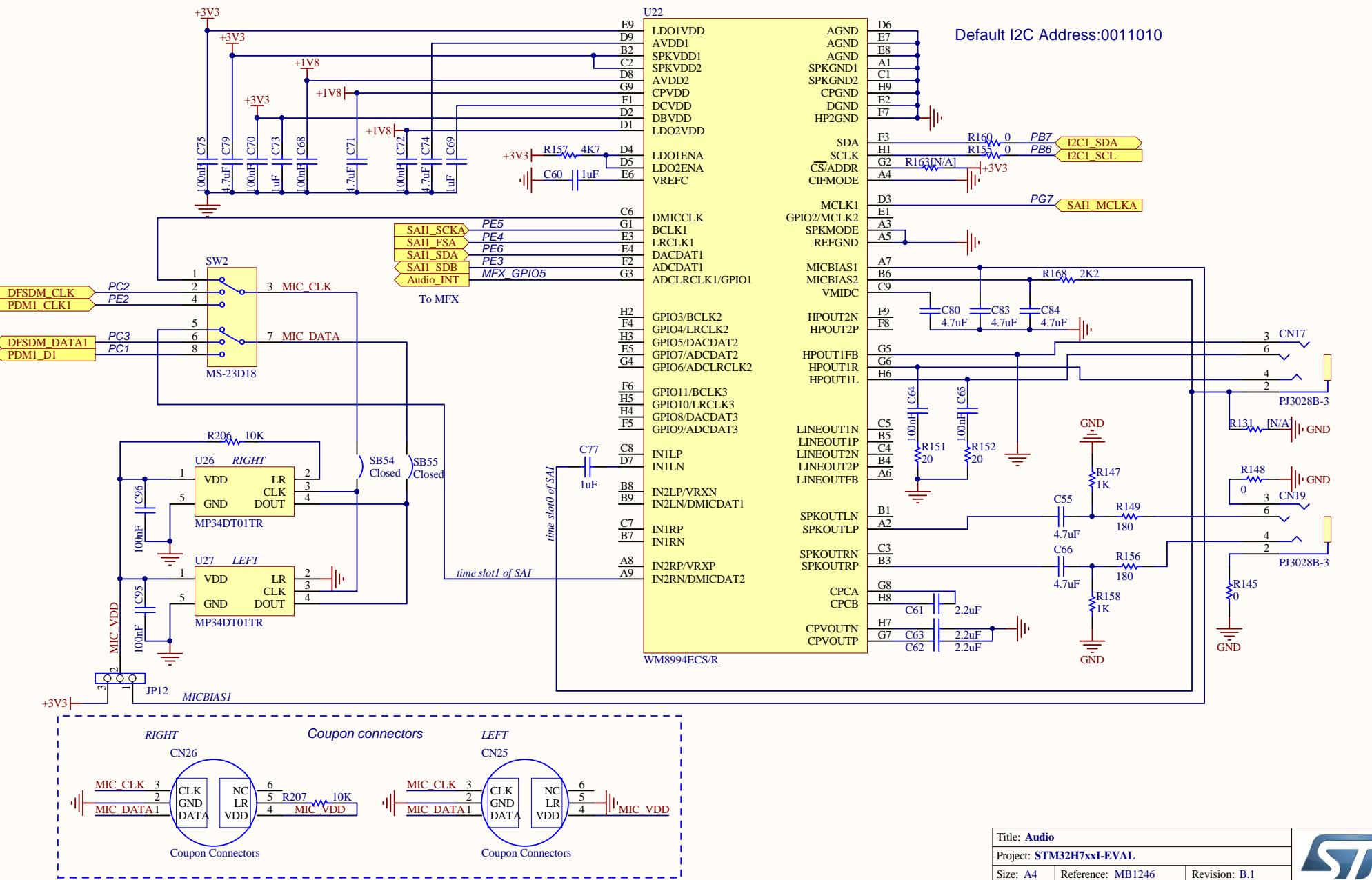
Project: STM32H7xxI-EVAL

Size: A4 | Reference: MB1246 | Revision: B.1

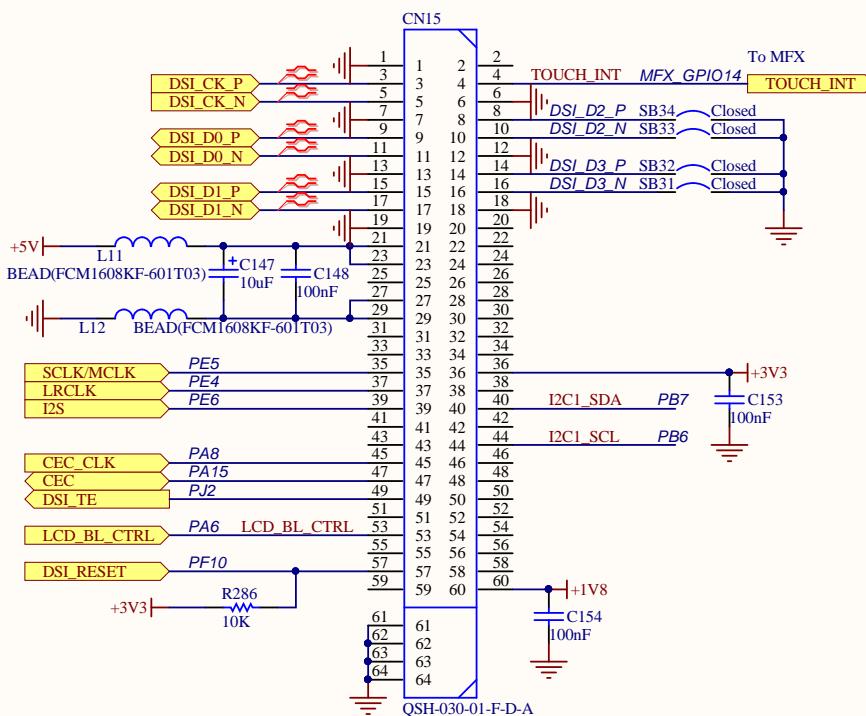
Date: 8/4/2016 | Sheet: 4 of 17



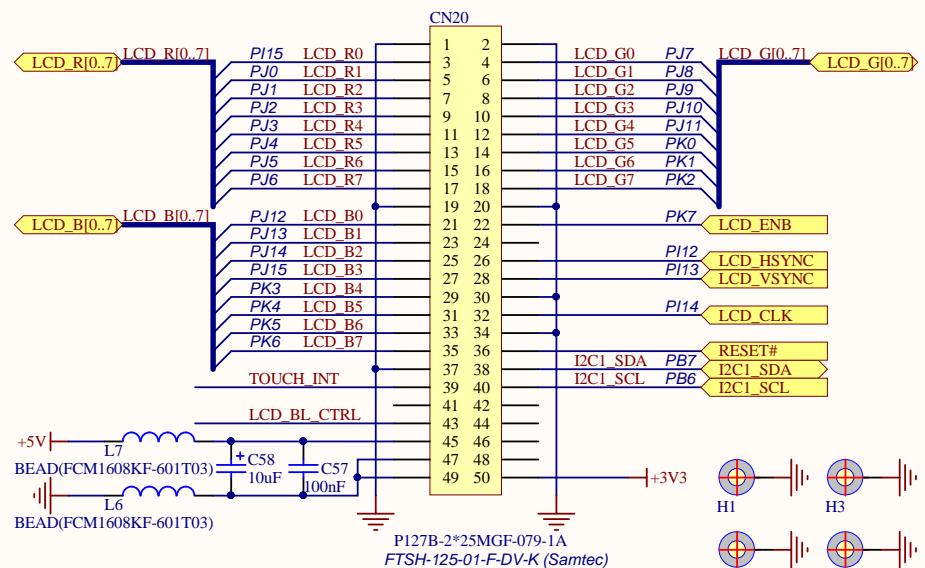
life.augmented



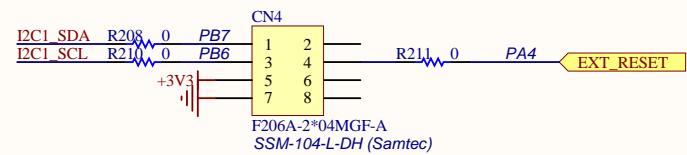
DSI LCD [Not mounted]



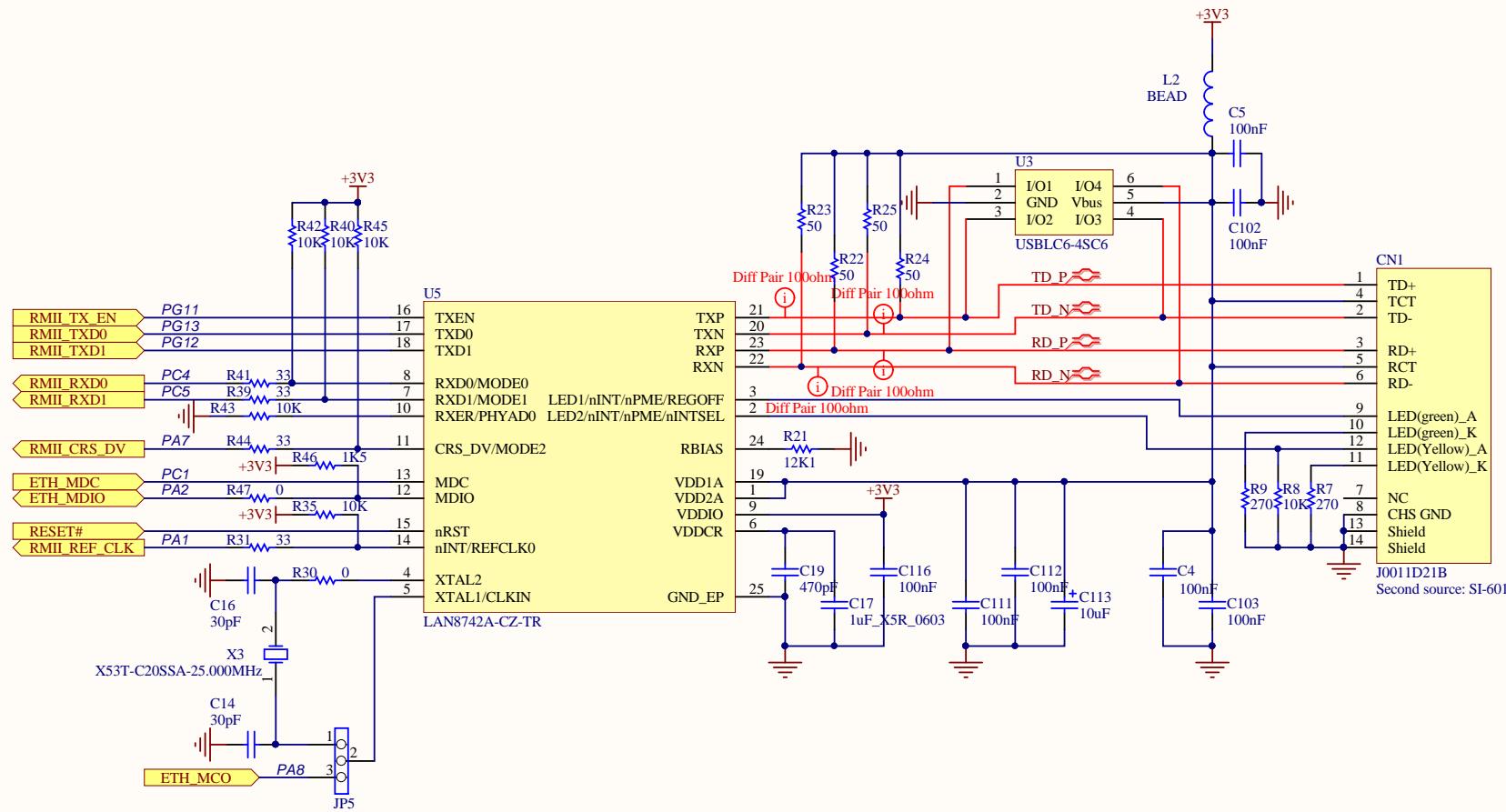
RGB LCD



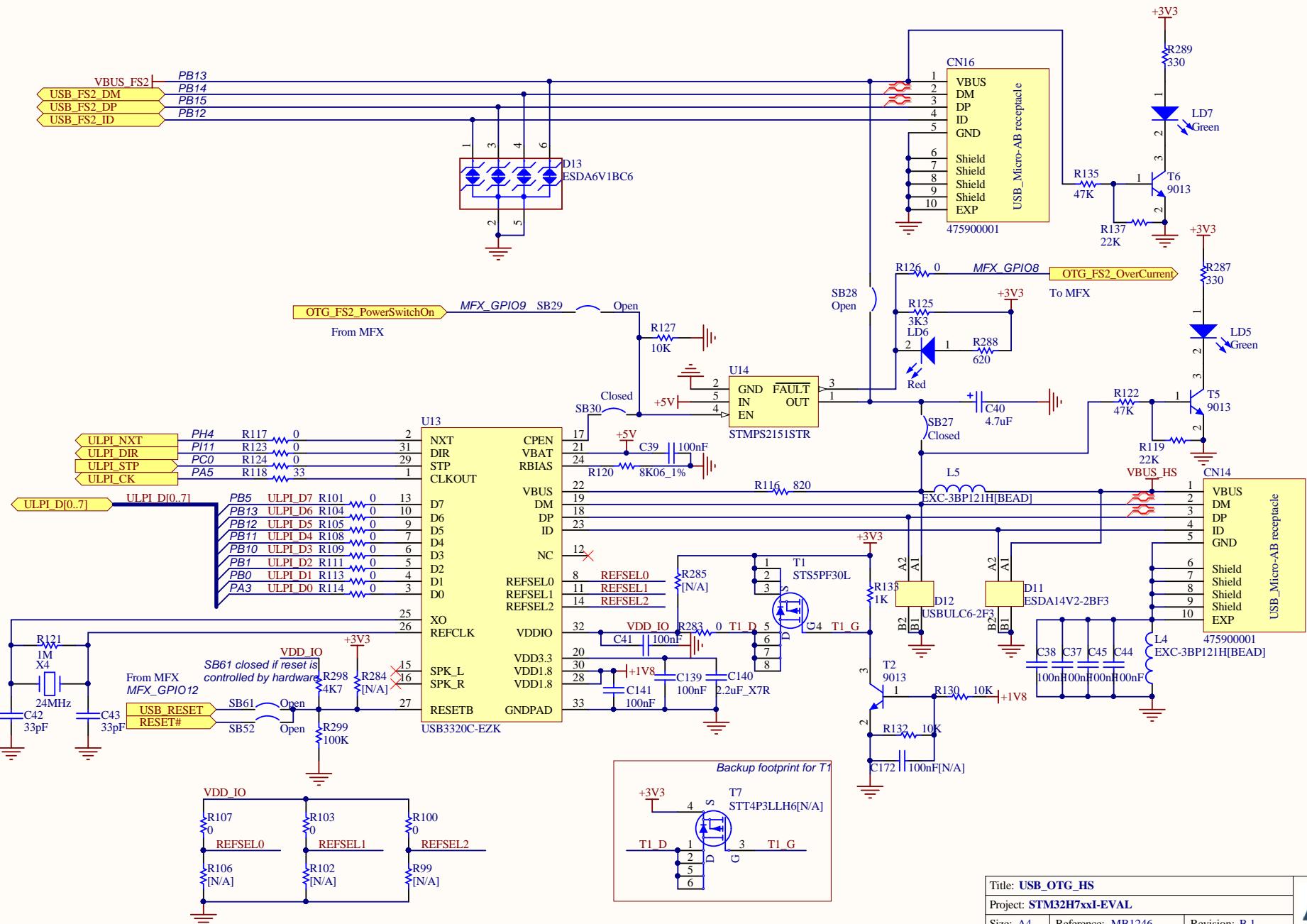
I2C Connector



Title: LCD Connectors		 life...augmented
Project: STM32H7xxI-EVAL		
Size: A4	Reference: MB1246	
Date: 2/20/2017	Sheet: 6 of 17	



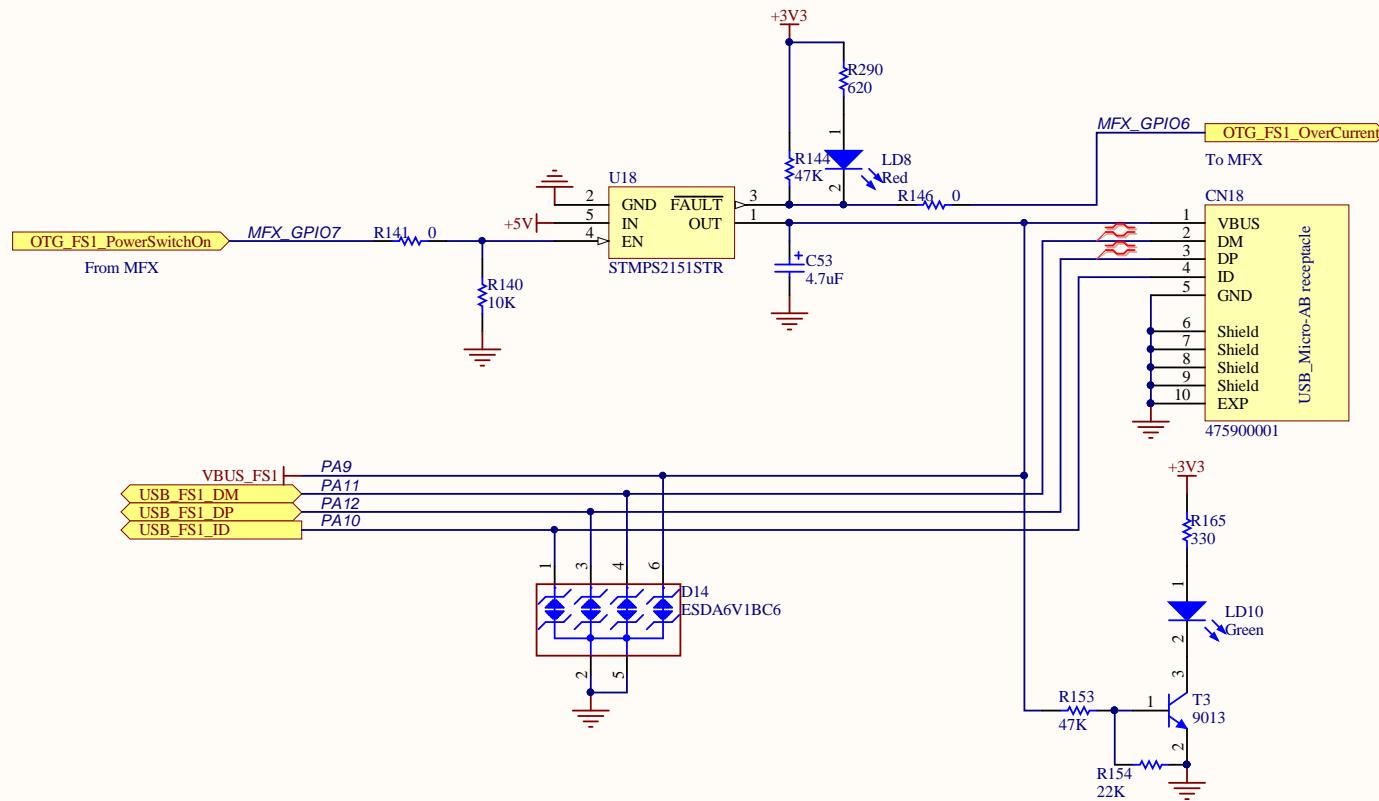
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Project: STM32H7xxI-EVAL		
Size: A4	Reference: MB1246	Revision: B.1
Date: 8/4/2016	Sheet: 7 of 17	



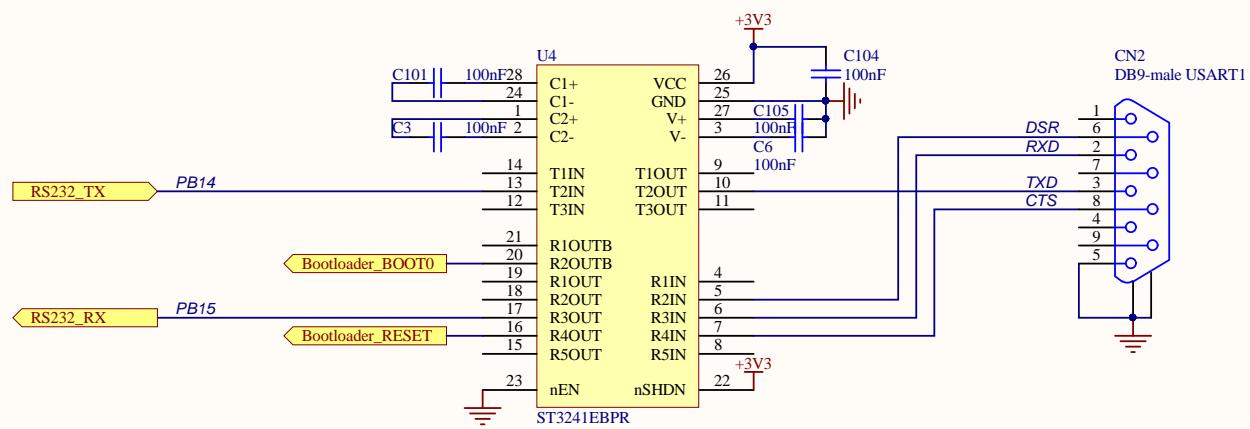
Title: USB_OTG_HS		
Project: STM32H7xxI-EVAL		
Size: A4	Reference: MB1246	Revision: B.1
Date: 8/10/2016		Sheet: 8 of 17



life.augmented



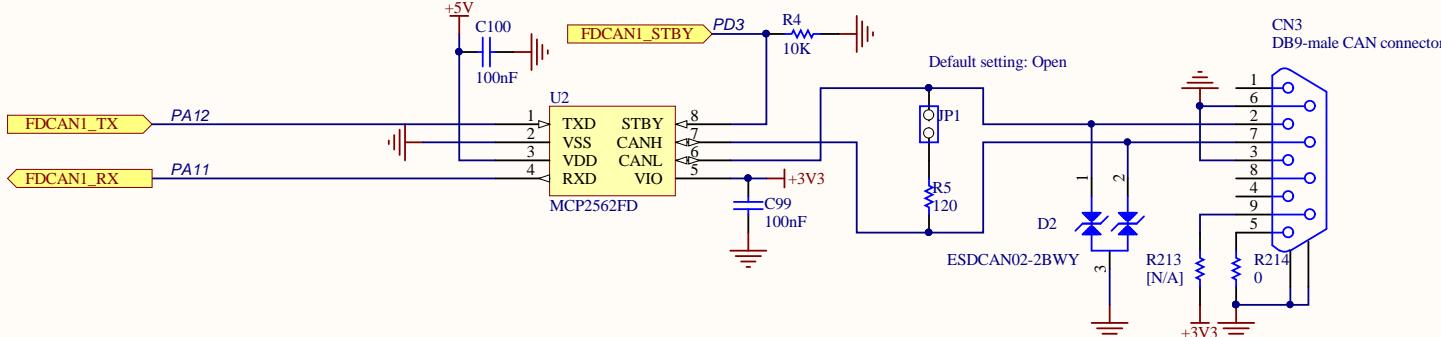
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Project: STM32H7xxI-EVAL		
Size: A4	Reference: MB1246	Revision: B.1
Date: 8/4/2016		Sheet: 9 of 17



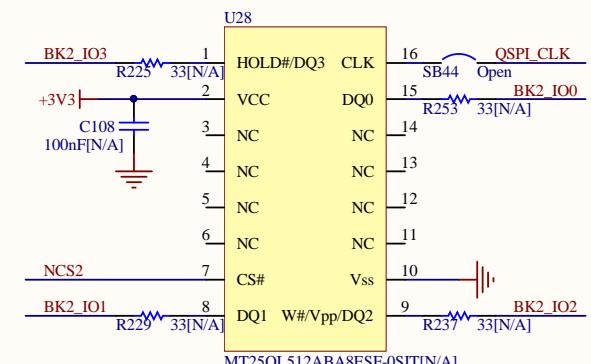
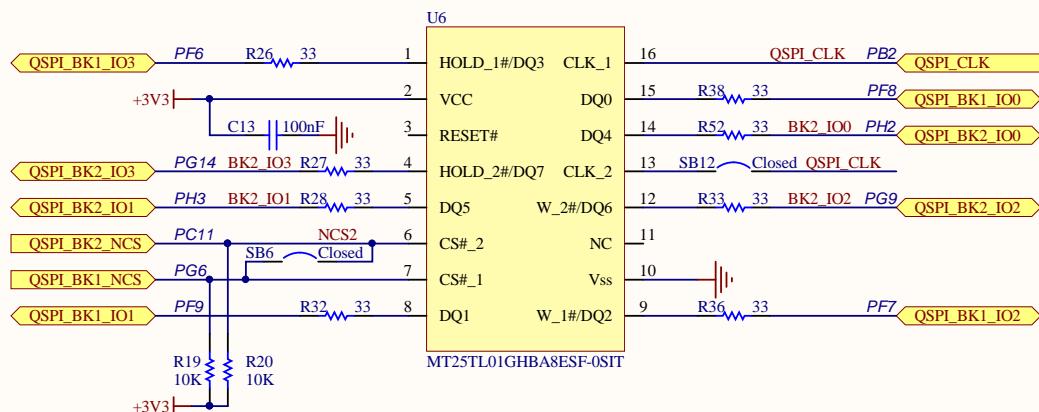
RS232

Title: RS232		
Project: STM32H7xxI-EVAL		
Size: A4	Reference: MB1246	Revision: B.1
Date: 8/4/2016	Sheet: 10 of 17	 life.augmented

FDCAN



Twin Quad SPI Flash



Backup solution

Title: **FDCAN & QSPI**

Project: **STM32H7xxI-EVAL**

Size: **A4** | Reference: **MB1246** | Revision: **B.1**

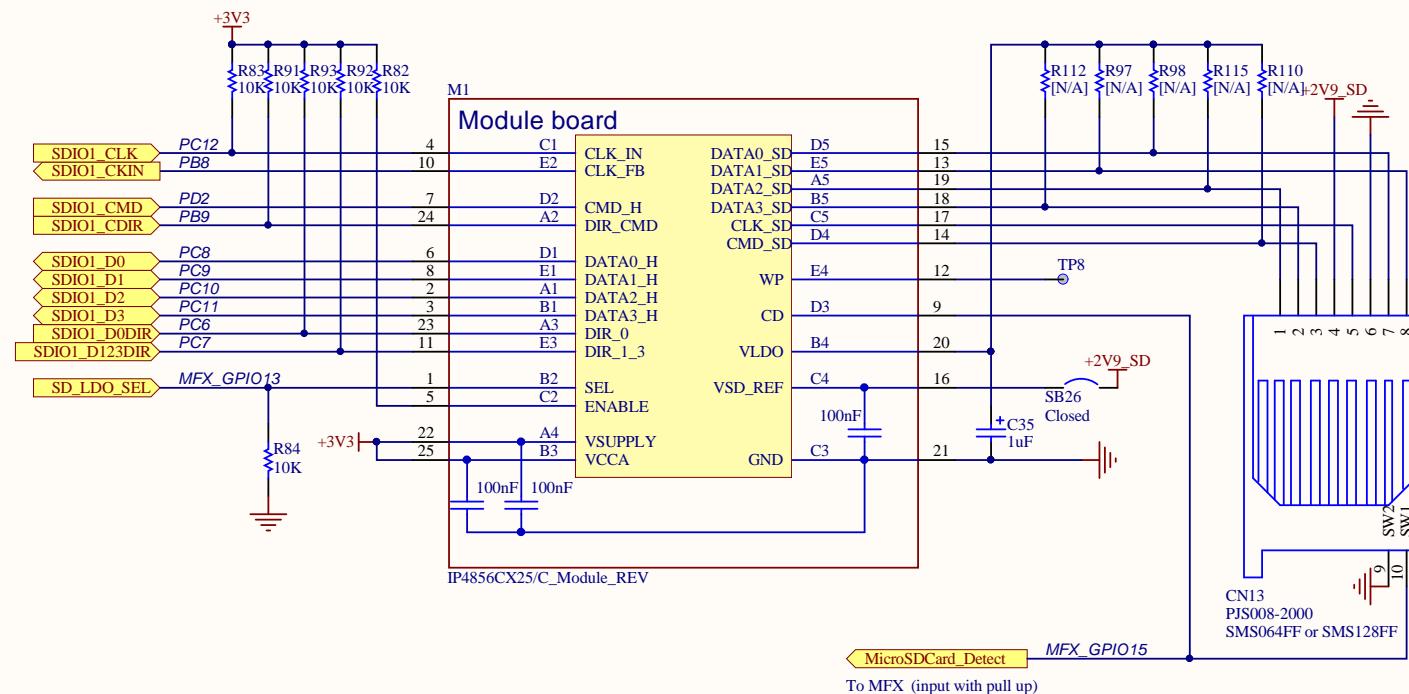
Date: **8/4/2016**



life.augmented

Sheet: **11 of 17**

MICRO SD 3.0 Card



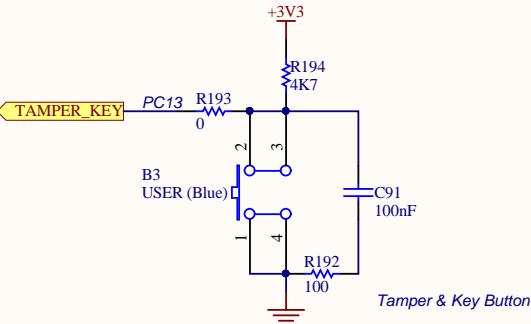
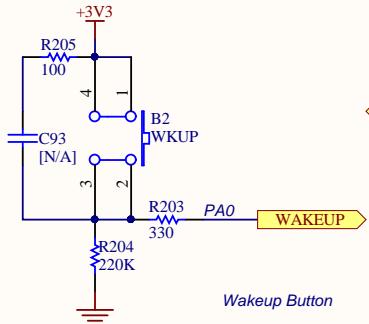
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Project: STM32H7xxI-EVAL

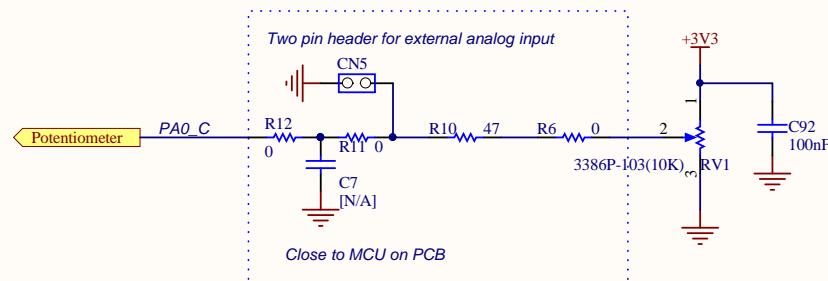
Size: A4 | Reference: MB1246 | Revision: B.1

Date: 8/4/2016

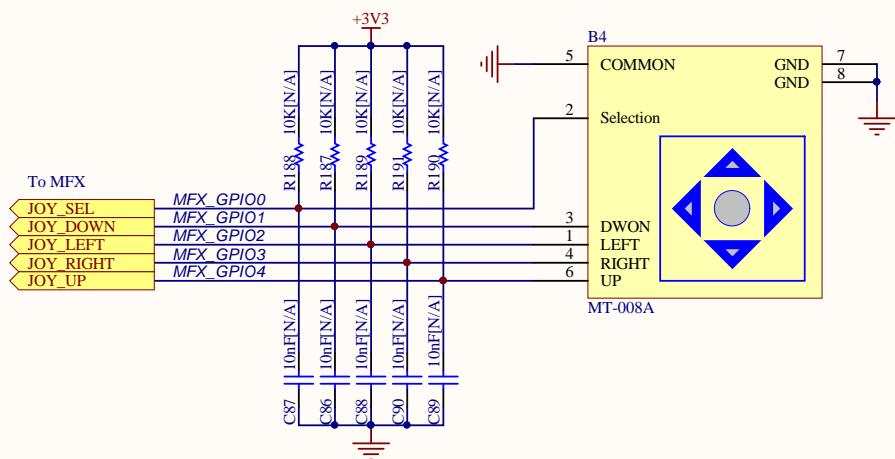
Buttons



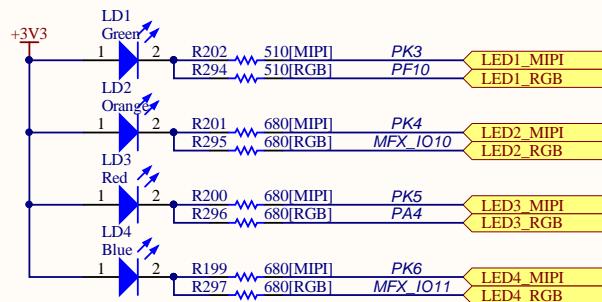
Potentiometer



Joystick



LEDs



Title: Peripherals

Project: STM32H7xxI-EVAL

Size: A4

Reference: MB1246

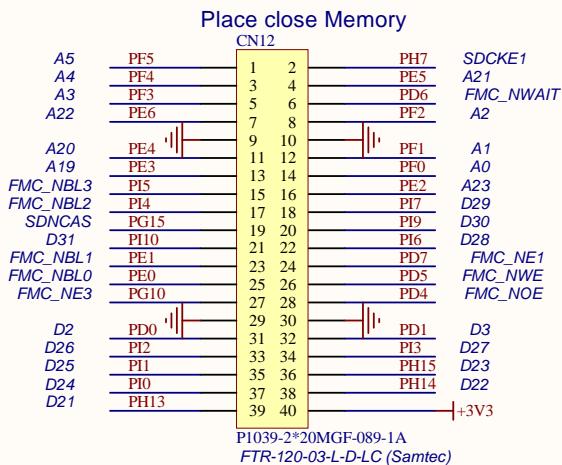
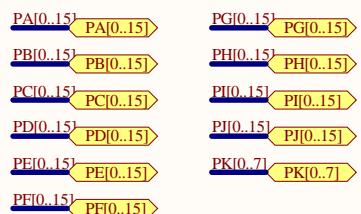
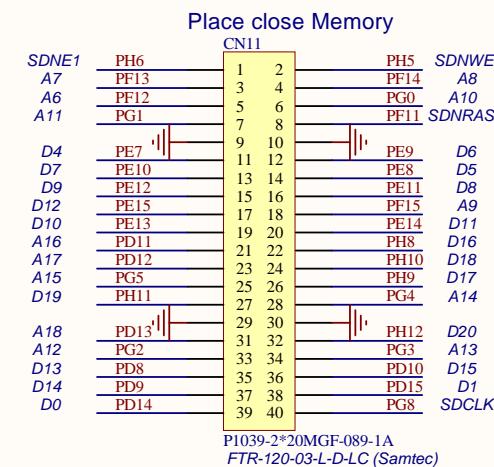
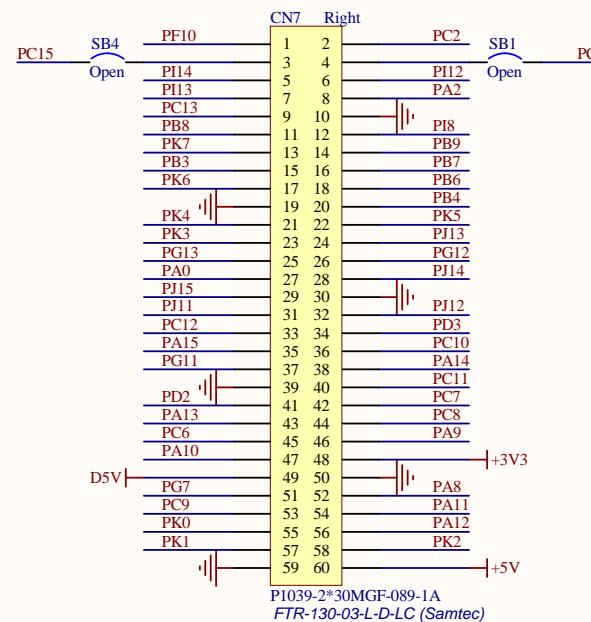
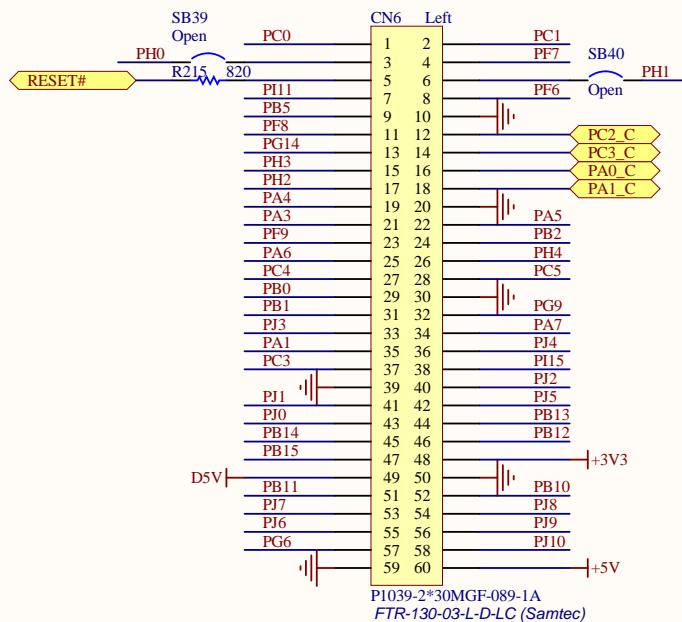
Revision: B.1

Date: 8/4/2016



life.augmented

Sheet: 13 of 17



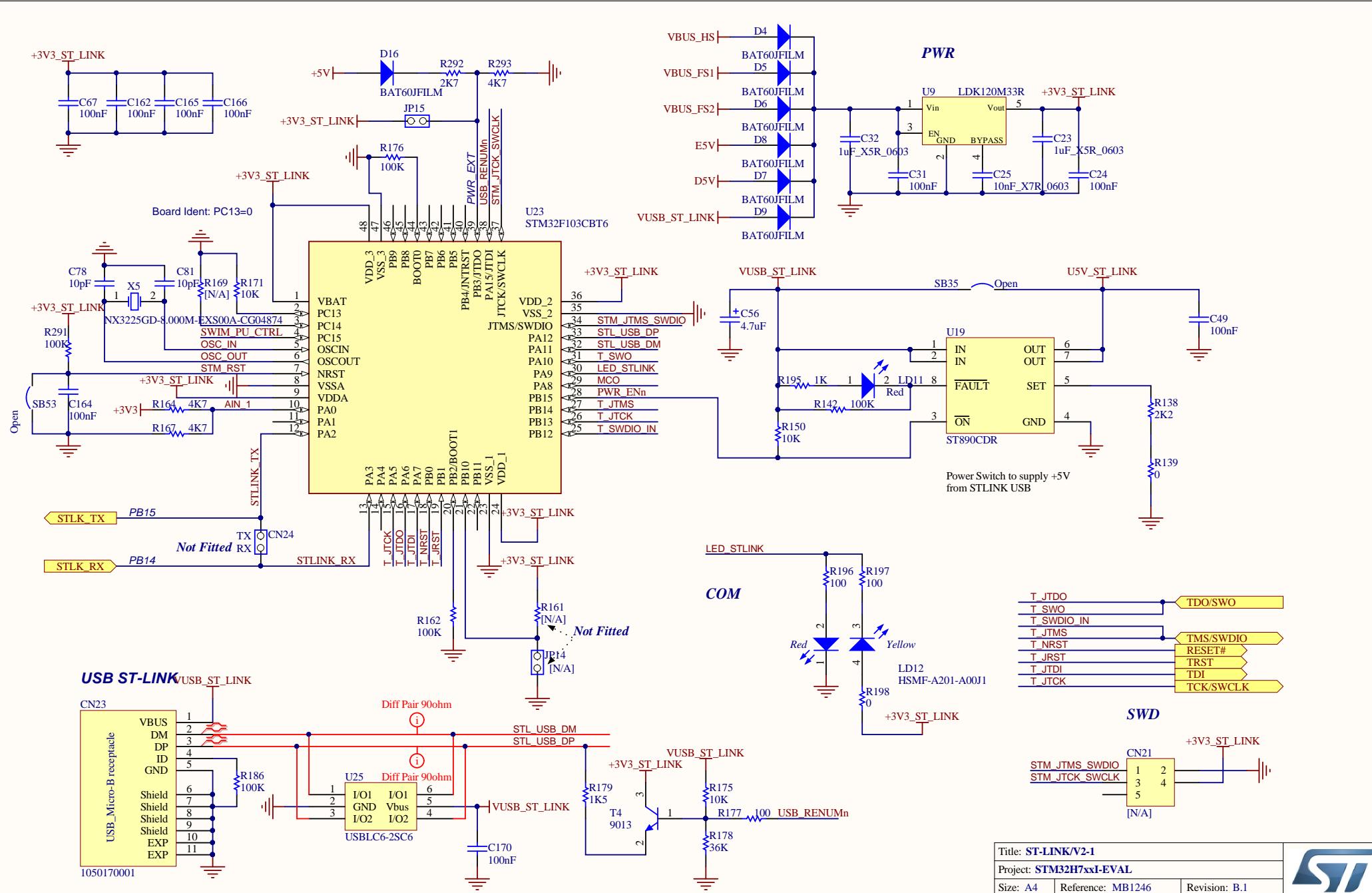
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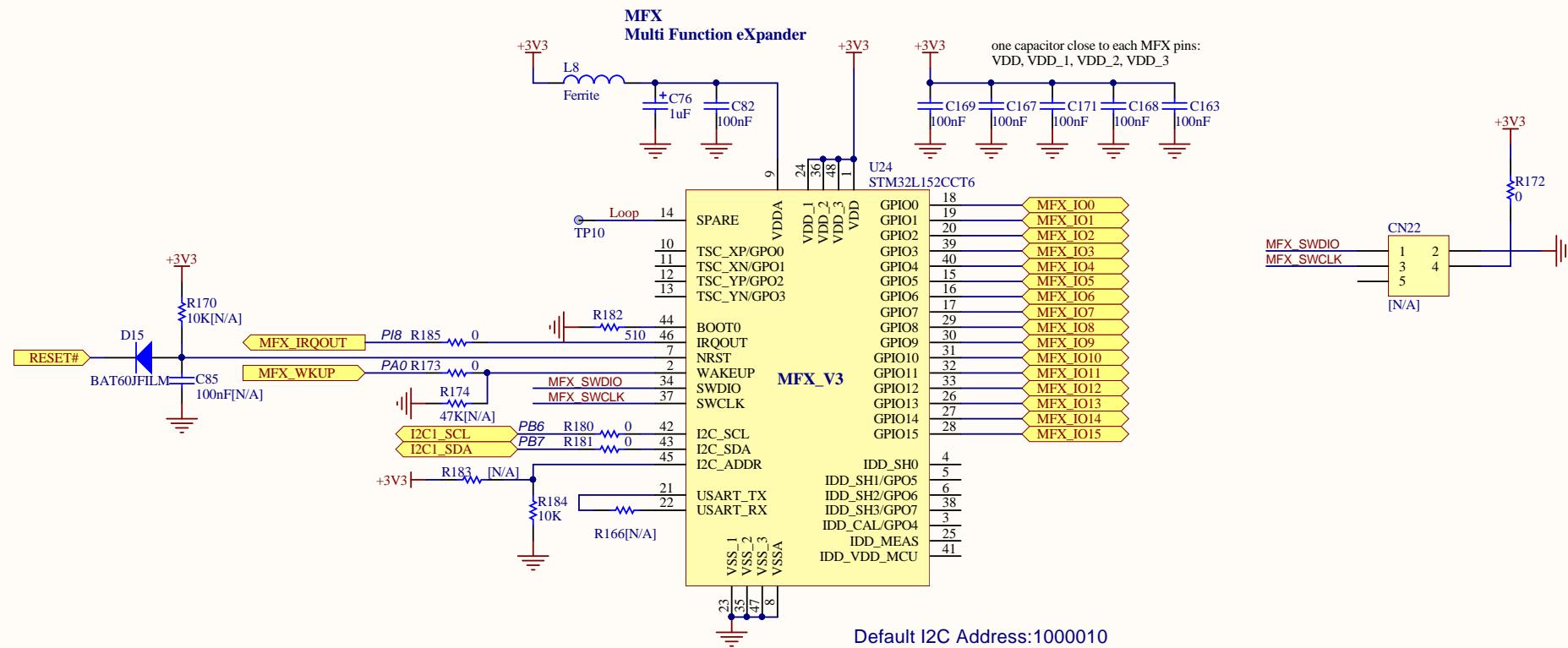
Project: STM32H7xxI-EVAL

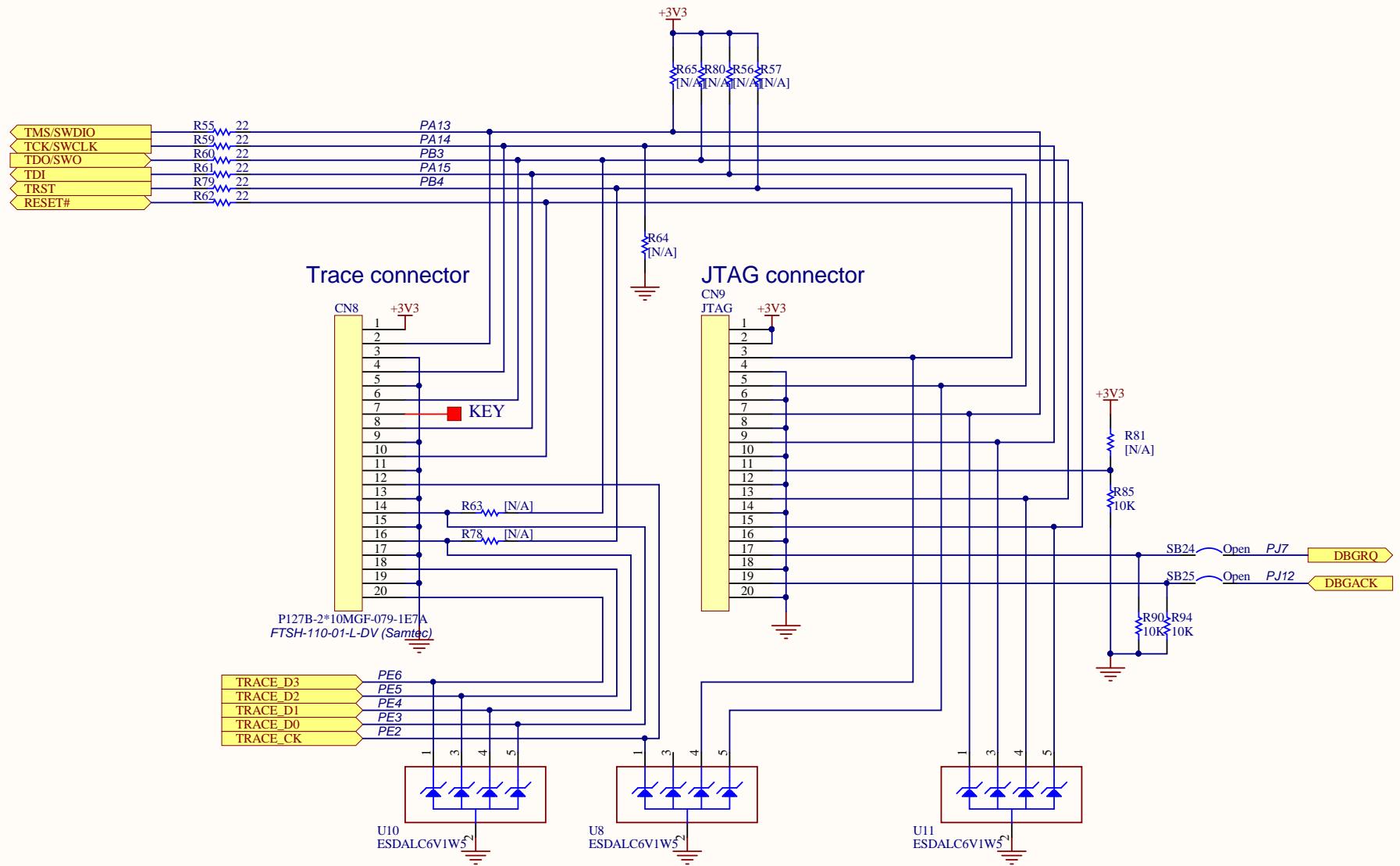
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Date: 8/4/2016









Title: **JTAG & Trace**

Project: **STM32H7xxI-EVAL**

Size: **A4** Reference: **MB1246** Revision: **B.1**

Date: **8/4/2016**



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17 of 17

Boards