

Design	Hugo	<b>Embest Technology Co.,Ltd.</b>		
Review	Mitch			
Authorize	Qunsun	Title 01 DIP Connector		
Standardize	<standardize>	Size	Doc Name	Ver.
		A3	BB View	130701
Date: Friday, October 11, 2013			Sheet 1 of 4	

### 3.1.1 LCD: Color Assignments of LCD\_DATA Terminals

The blue and red color assignments to the LCD data pins are reversed when operating in RGB888 (24bpp) mode compared to RGB565 (16bpp) mode. In order to correctly display RGB888 data from the SGX, or any source formatted as RGB in memory, it is necessary to connect the LCD panel as shown in Figure 2. Using the LCD Controller with this connection scheme limits the use of RGB565 mode. Any data generated for the RGB565 mode requires the red and blue color data values be swapped in order to display the correct color.

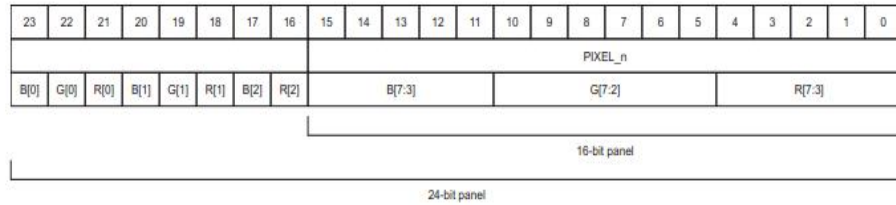
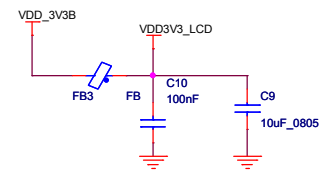
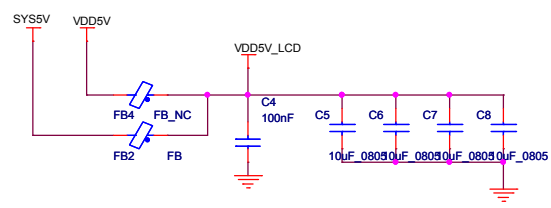
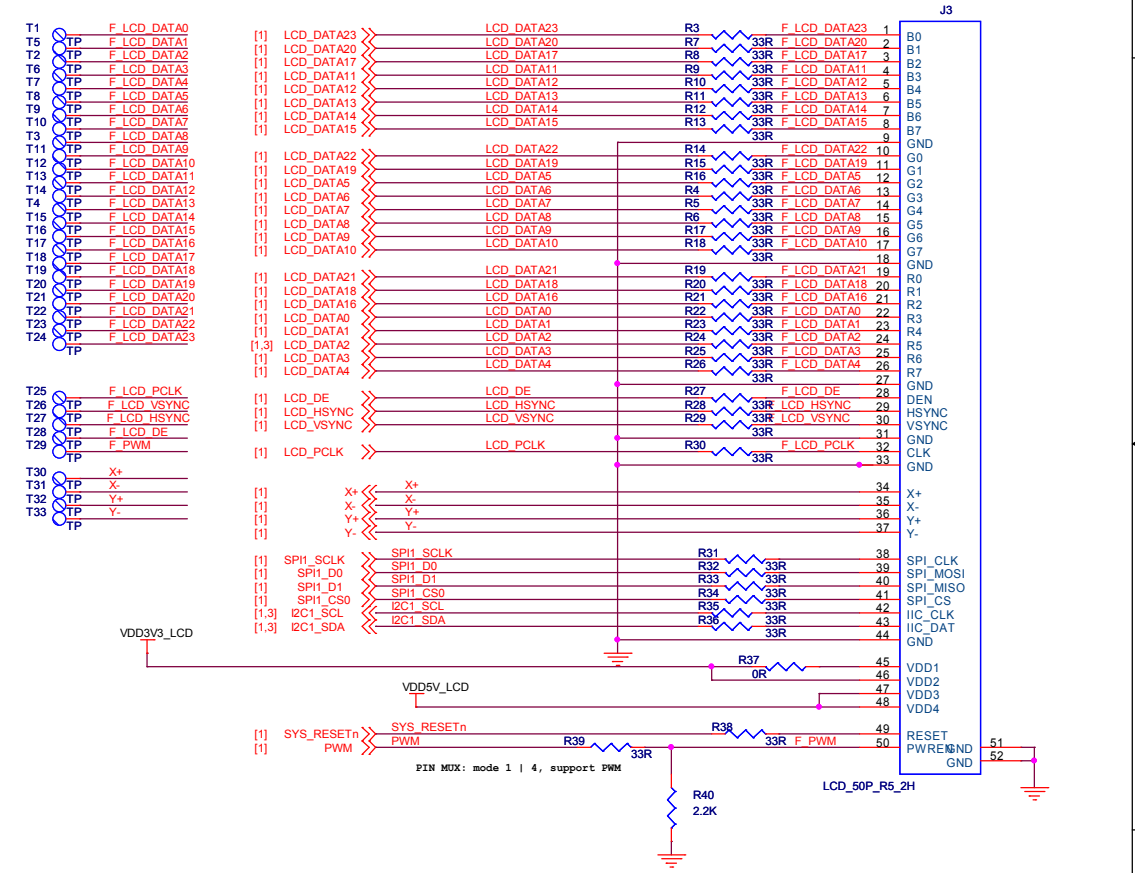
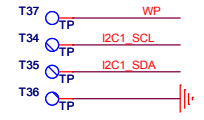
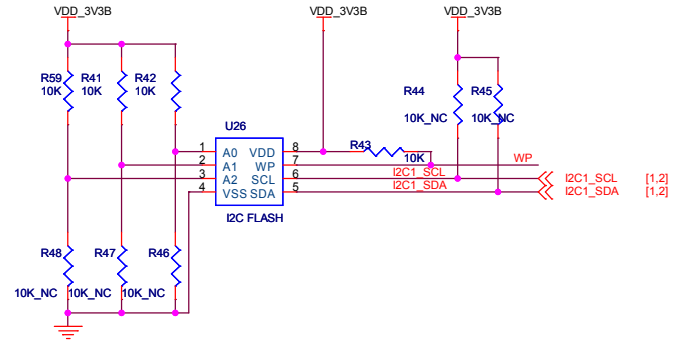
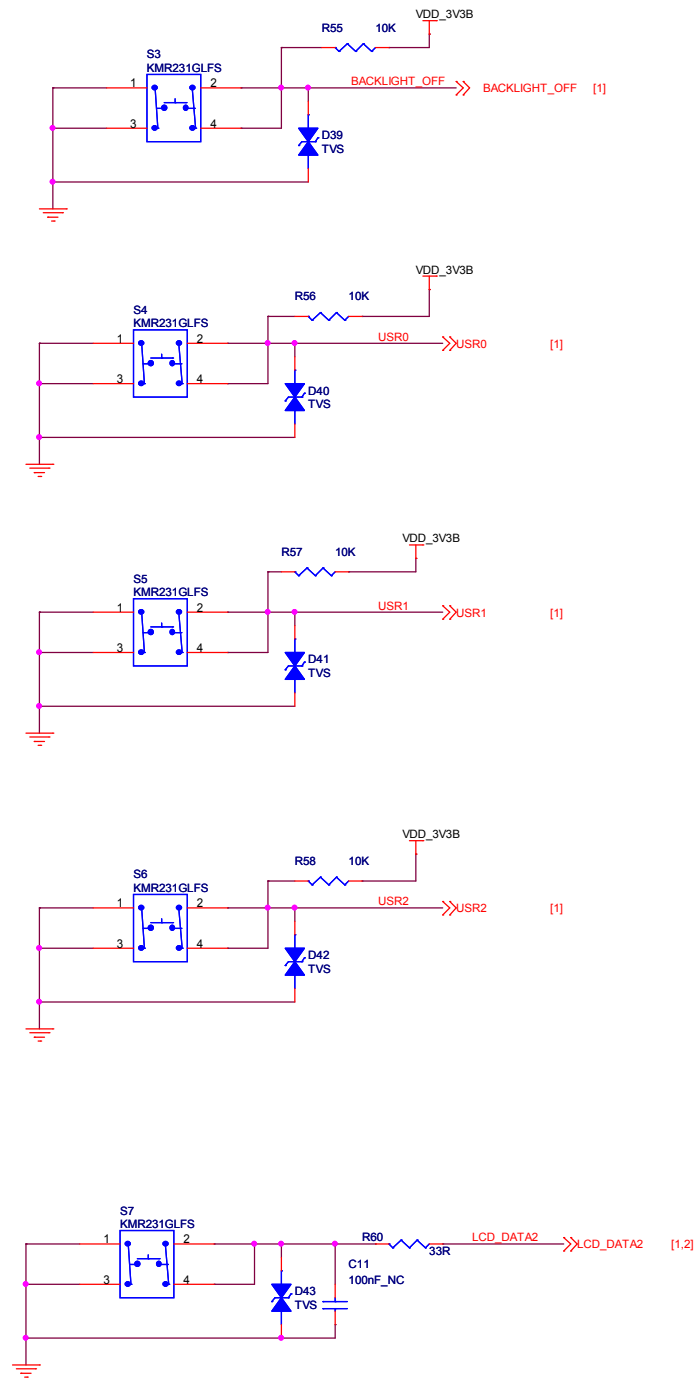


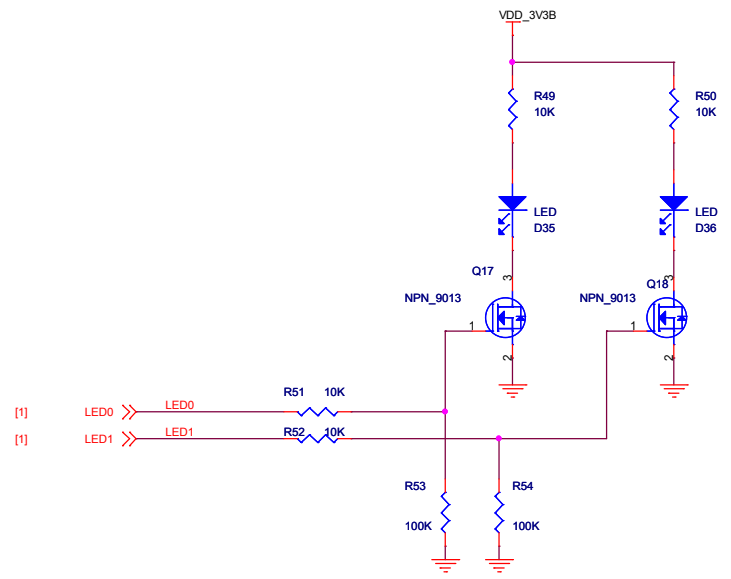
Figure 2. RGB888 Mode LCD Controller Output Pin Mapping (LCD\_DATA[23:0])



Design	Hugo	Embest Technology Co.,Ltd.		
Review	Mitch	Title 02 FPC Connector		
Authorize	Qunsun	Size A3	Doc Name BB View	Ver. 130701
Standardize	<standardize>	Date Friday, October 11, 2013	Sheet 2 of 4	



Place T34, T35, T36 one by one on a line and the spacing is 2.54mm



Design	Hugo	<b>Embest Technology Co.,Ltd.</b>		
Review	Mitch	Title 03 Key&Button		
Authorize	Qunsun	Size A3	Doc Name BB View	Ver. 130701
Standardize	<standardize>	Date Friday, October 11, 2013	Sheet 3 of 4	

## BB View Revision History

### 1) PCB Ver: 130700 SCH Ver:130700

a. The first release @2013-07-24

### 2) PCB Ver: 130701 SCH Ver:130701

Date:2013-10-10

- a. Delete the SPI touch convertor
- b. Add 5 keys:one for turn off backlight, one for boot and others for user define
- c. Add an EEPROM for EDID(NC)
- d. Create a hole for UART8000-U

Design	Hugo	<b>Embest Technology Co.,Ltd.</b>		
Review	Mitch	Title 04 History		
Authorize	Qunsun	Size	Doc Name	Ver.
Standardize	<standardize>	A3	BB View	130701
		Date	Friday, October 11, 2013	Sheet 4 of 4