

BB-SPH1800 V01A

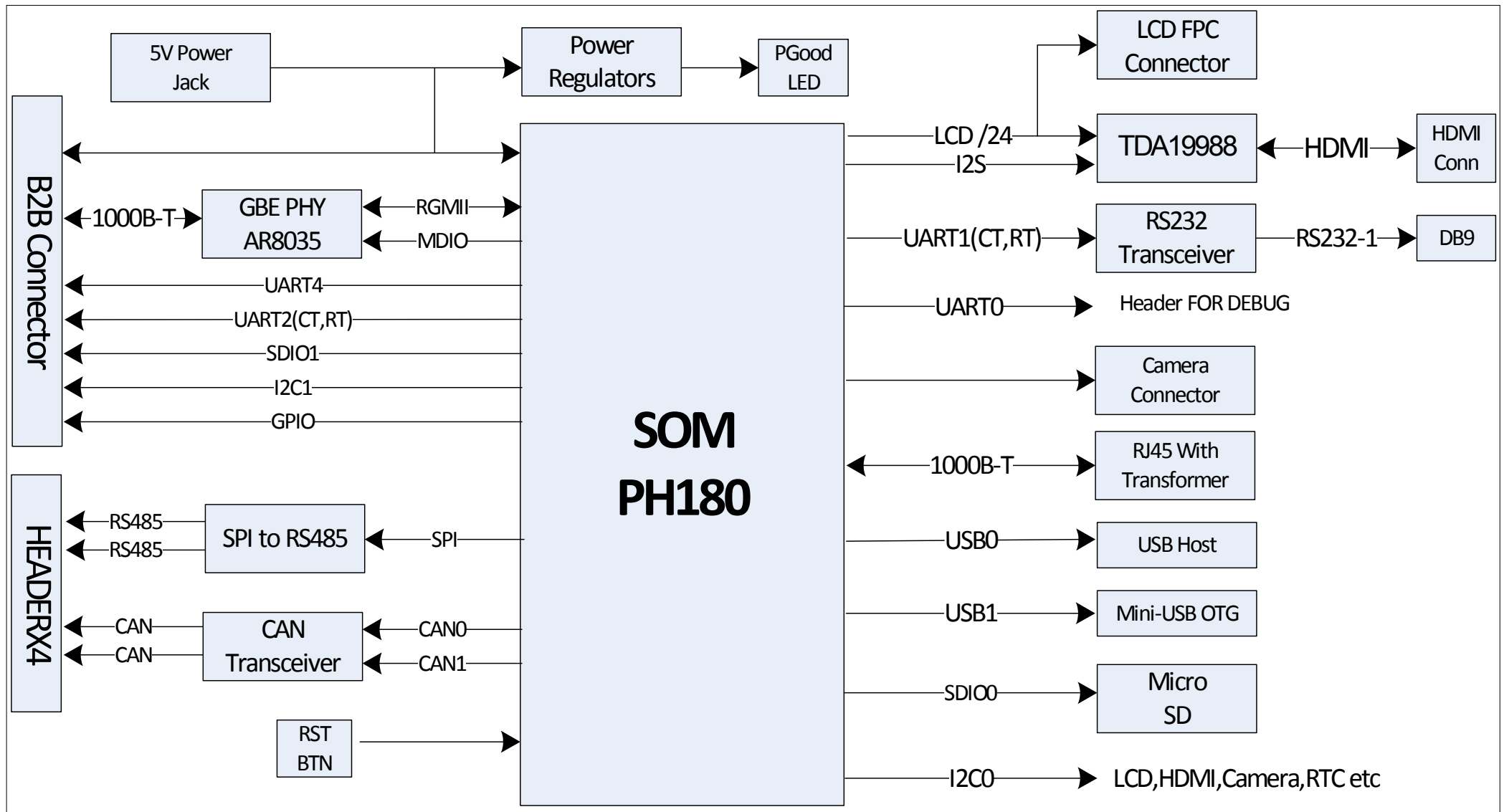
BB-SPH1800

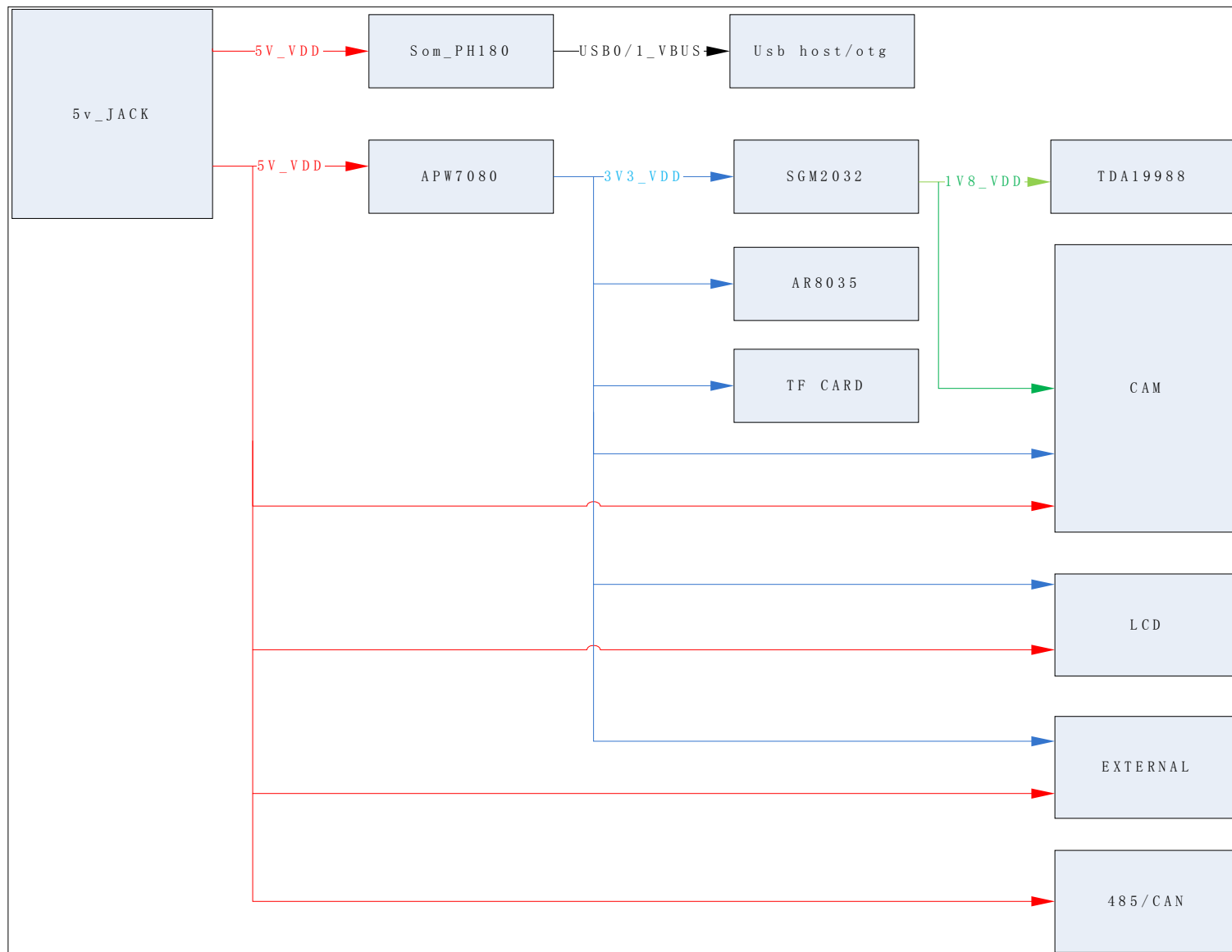
SHEET	SHEET NAME
01	INDEX
02	BLOCK DIAGRAM
03	POWER TREE
04	POWER
05	BTB CONN
06	TF CARD
07	RS232
08	RS485/CAN
09	CAM/LCD/RTC
10	HDMI
11	USB
12	ETHERNET
13	EXTERNAL
14	MISC
15	REVISION HISTORY

Revision History

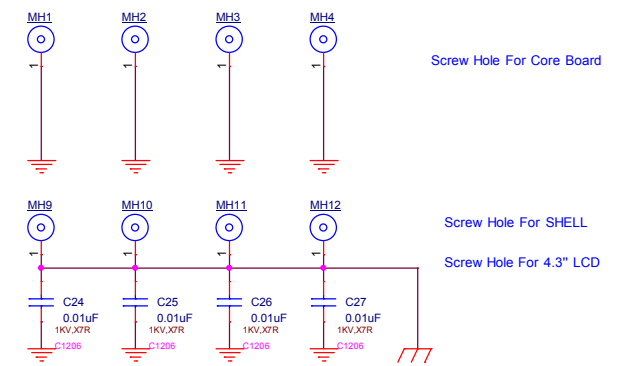
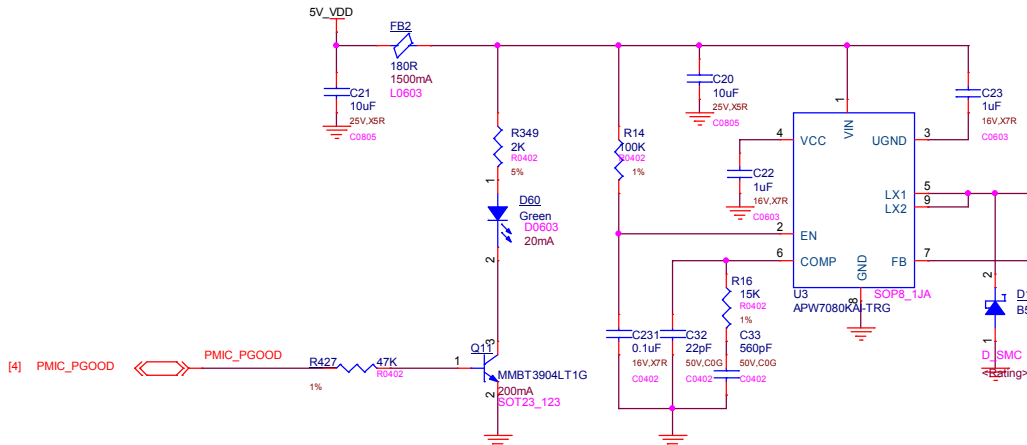
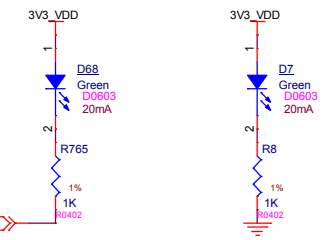
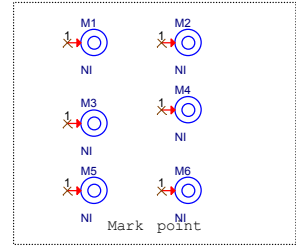
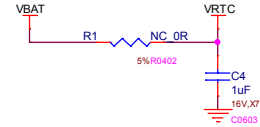
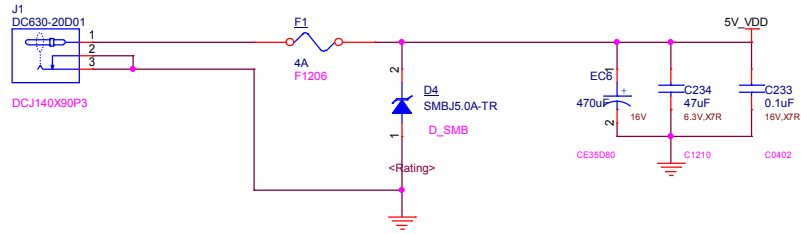
DATE	REVISION	DESCRIPTION

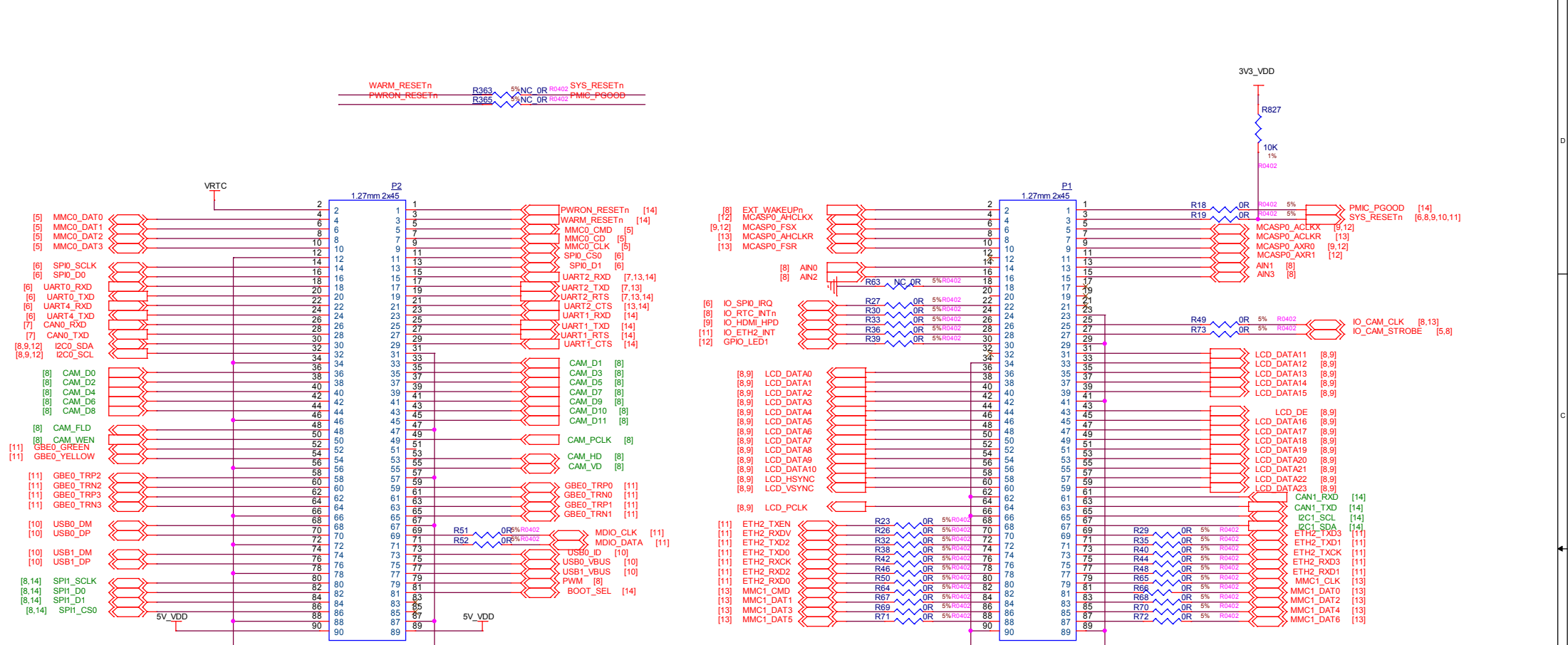
BB-SPH1800 BLOCK DIAGRAM





DC 5V_IN






Note:

GBE0_GREEN/GBE0_YELLOW LOW ACTIVE

BLUE: With Function Defined on IO Board, but no connection on Core Board

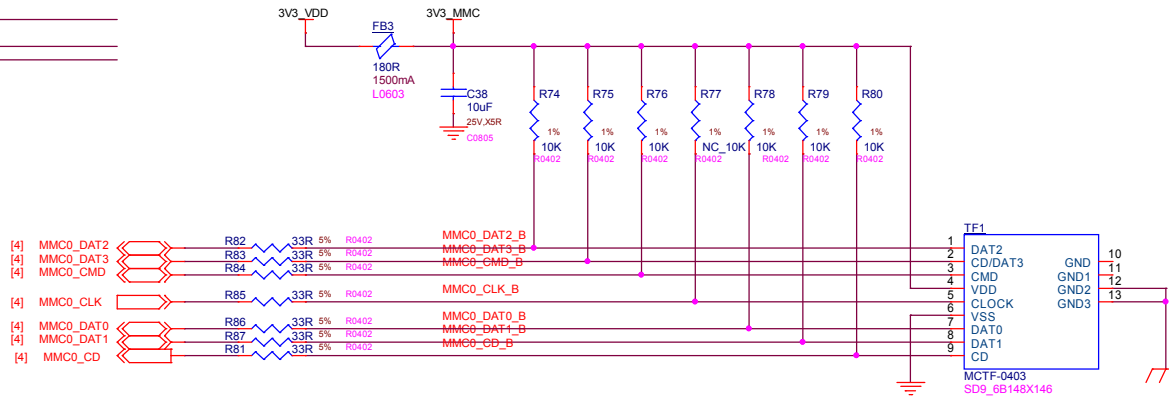
GREEN: With Function Defined on IO Board, connection on Core Board is another Function

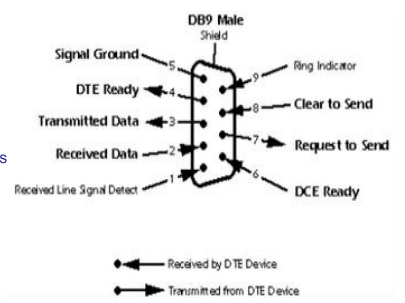
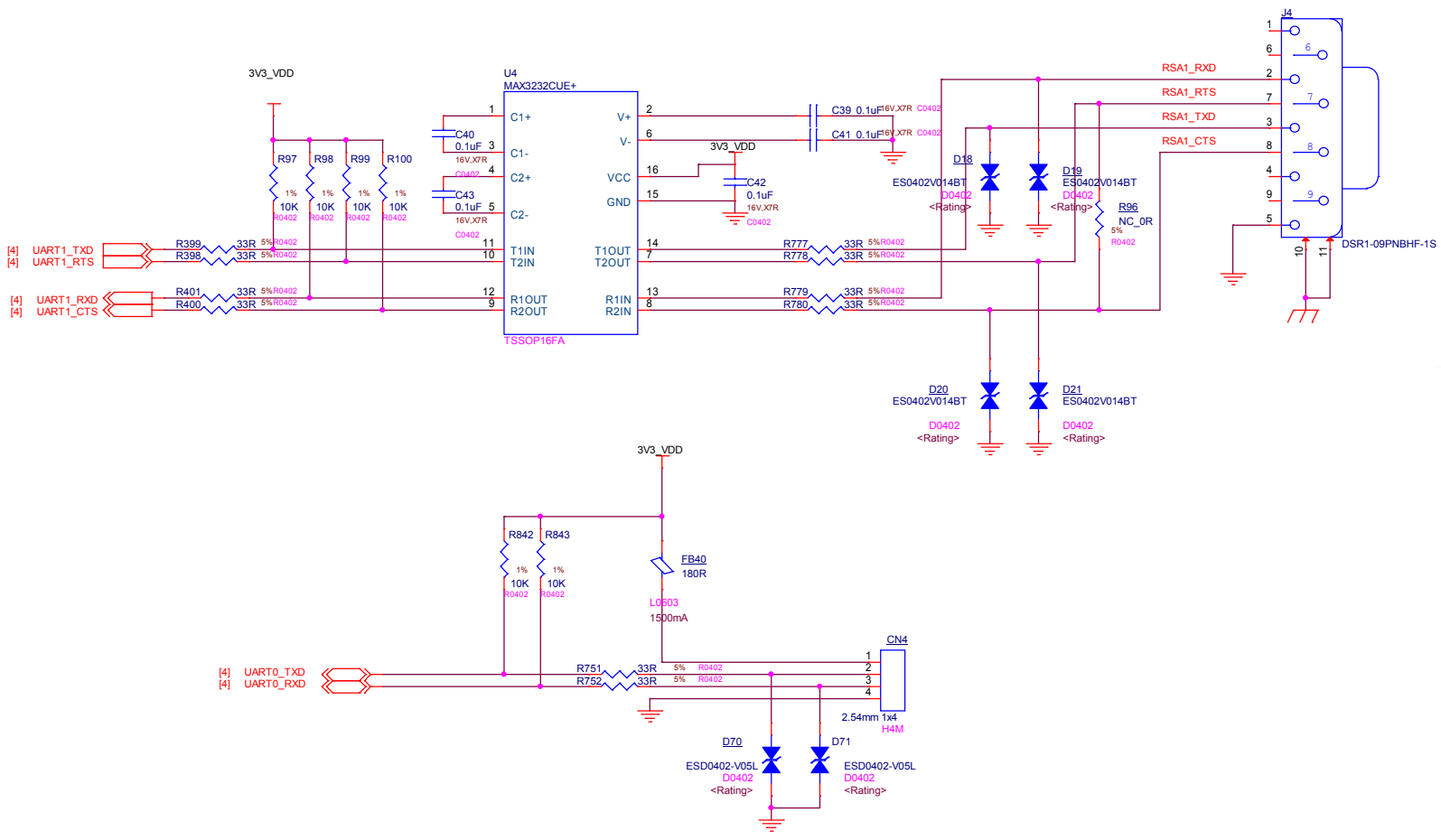
RED: Function Defined on IO Board & Core Board is the Same

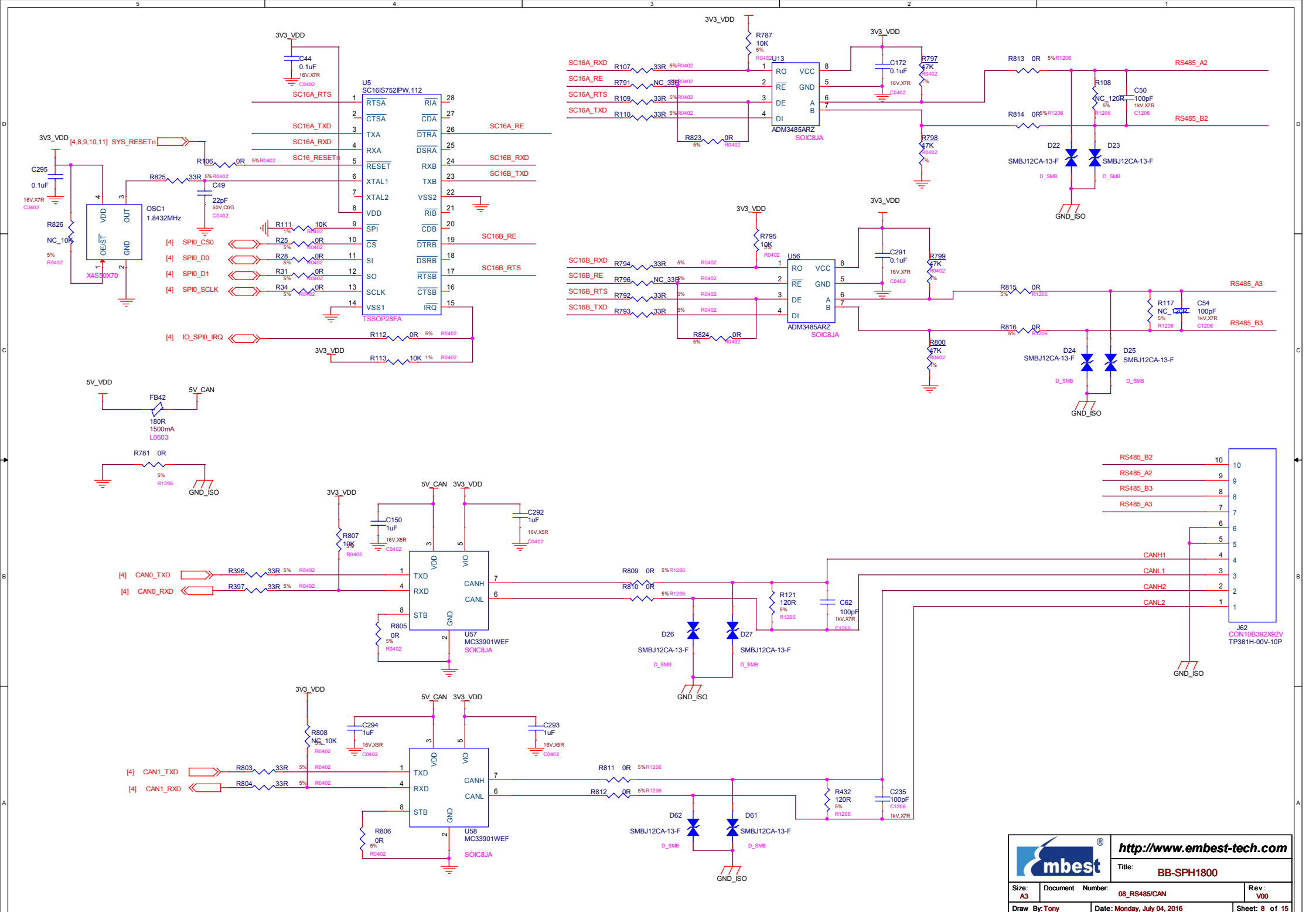
		http://www.embest-tech.com	
		Title: BB-SPH1800	
Size: A3	Document Number: 05_BTB Connectors	Rev: V00	
Draw By: Tony	Date: Monday, July 04, 2016	Sheet: 5 of 15	


MicroSD CARD

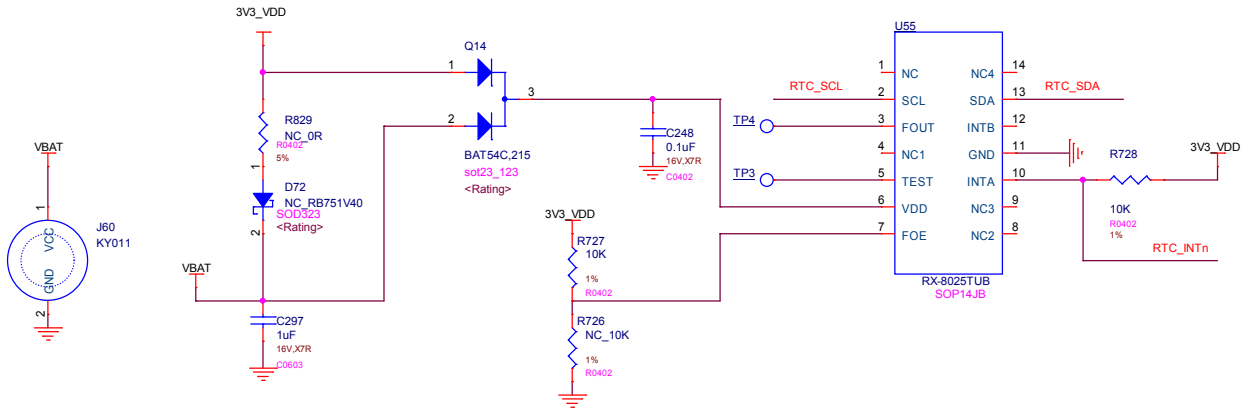
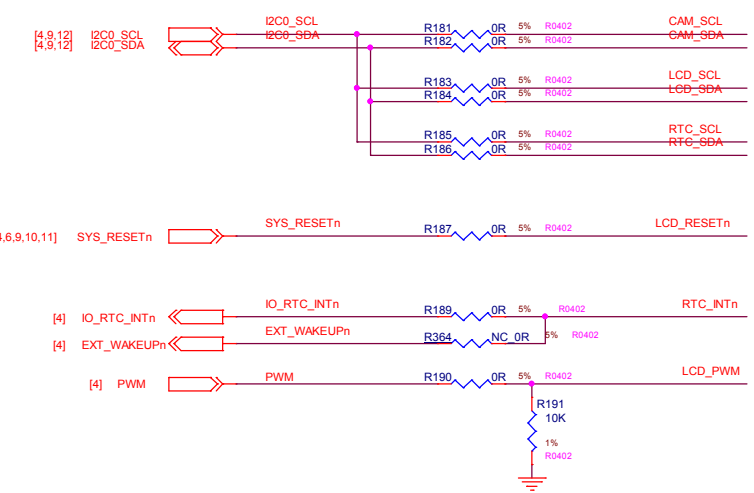
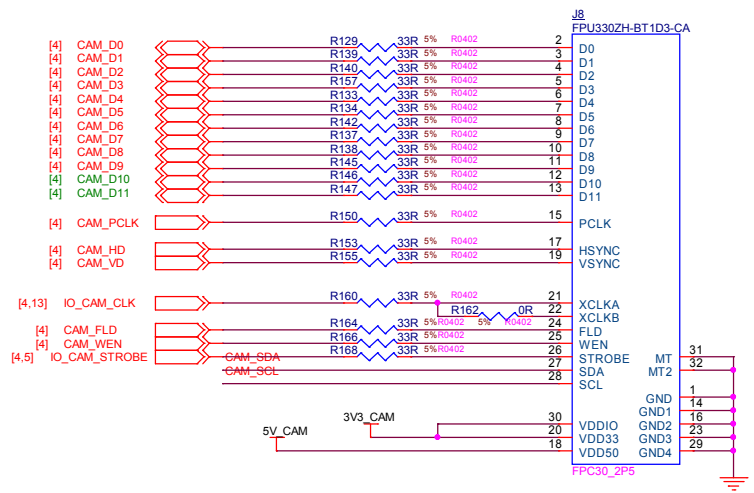
- [4] MMC0_DAT2_B
- [4] MMC0_DAT3_B
- [4] MMC0_CMD_B
- [4] MMC0_CLK_B
- [4] MMC0_DAT0_B
- [4] MMC0_DAT1_B







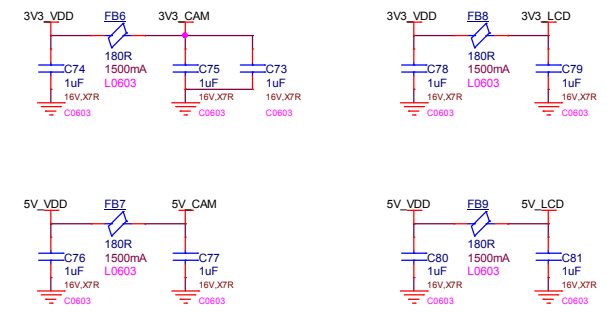
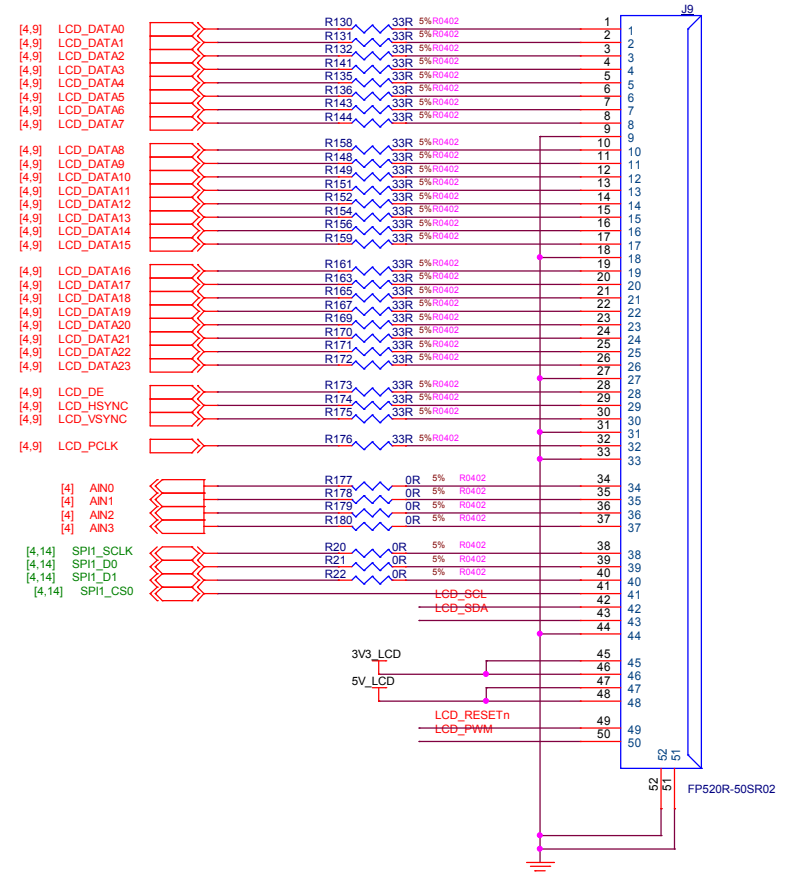
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		Title: BB-SPH1800	
Size: A3	Document Number: 08_RS485/CAN	Rev: V00	
Draw: By: Tony	Date: Monday, July 04, 2016	Sheet: 8 of 15	



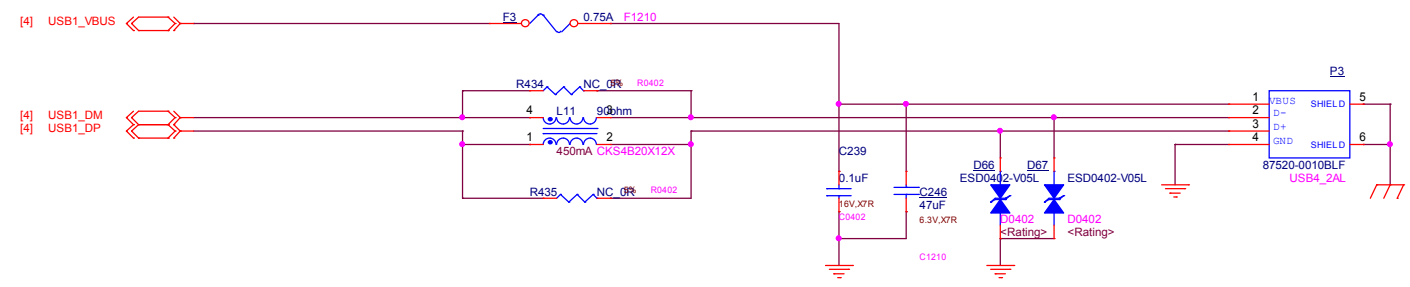
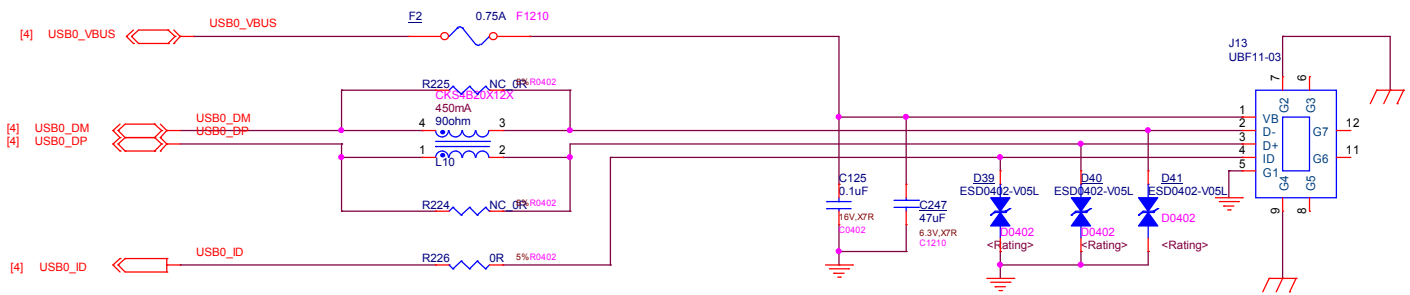
BLUE

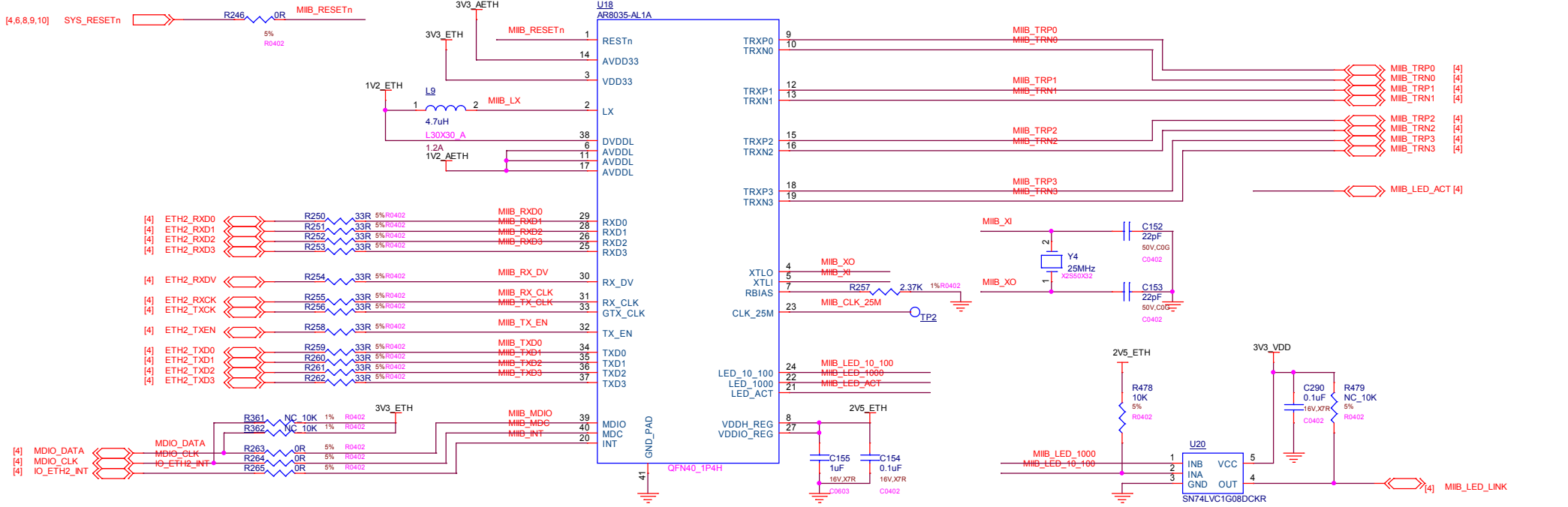
GREEN

RED



		http://www.embest-tech.com	
Title: BB-SPH1800		Rev: V00	
Size: A3	Document Number: 09_LCD/CAM/RTC	Draw By: Tony	Date: Monday, July 04, 2016
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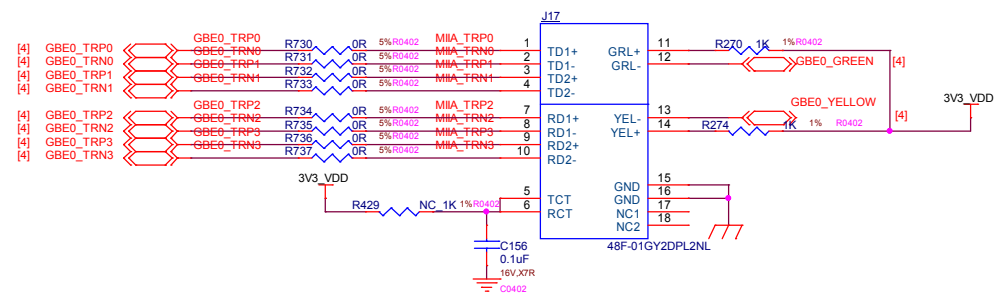
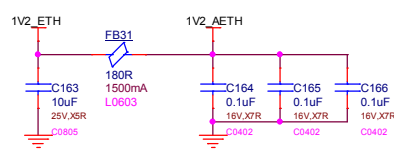
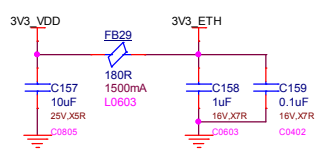
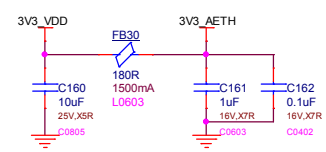


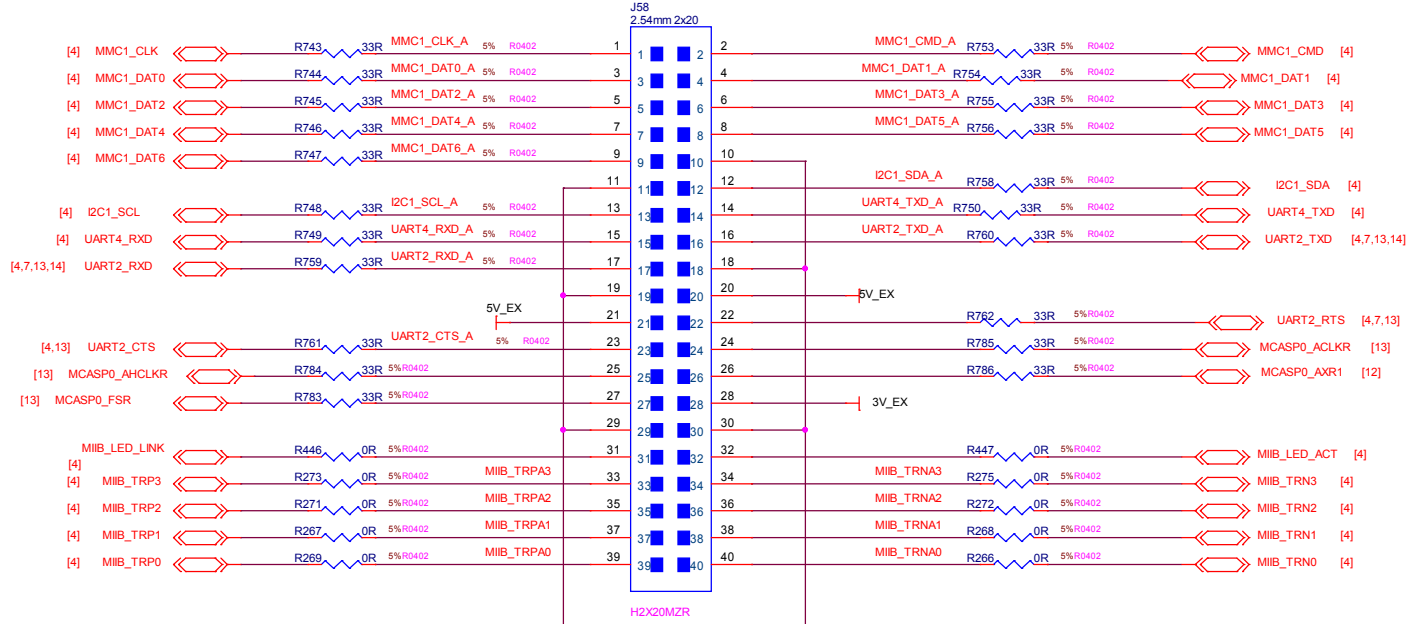
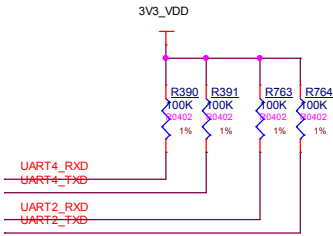
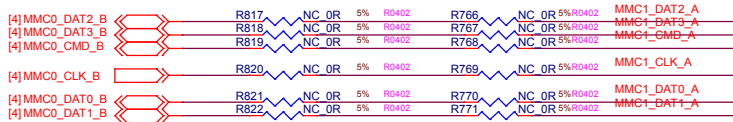
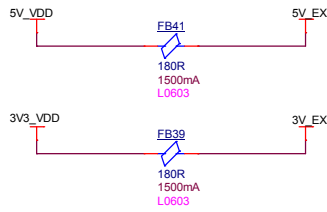
DEFAULT:
 LED_10_100: Active L
 LED_1000: Active L
 LED_ACT: Active L

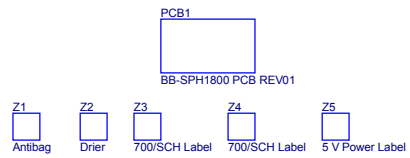
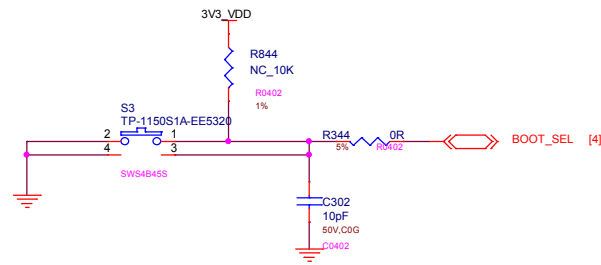
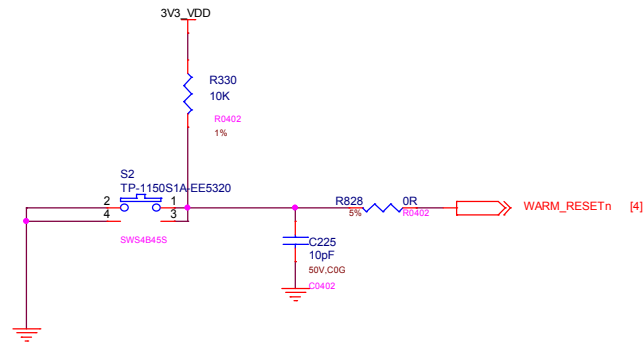
PHY address: 110
 MIB_RXD0
 MIB_RXD1
 MIB_LED_ACT

mode[0..3]:
 1110:RGMII, PLLON, INT: default
 1100:RGMII, PLLOFF, INT:
 MIB_RXD2
 MIB_LED_1000
 MIB_RXD3

RX_CLK:
 0 :1.5V IO;
 1 :1.8V IO;
 2.5V IO: PULL UP/DOWN default
 MIB_RX_CLK








BB-SPH1800 Revision History

BB-SPH1800 REV00
BB-SPH1800 REV01
BB-SPH1800 REV01A

		http://www.embest-tech.com	
		Title: BB-SPH1800	
Size: A3	Document Number: 15_Revision History	Rev: V00	
Draw By: Tony	Date: Thursday, August 11, 2016	Sheet: 15 of 15	