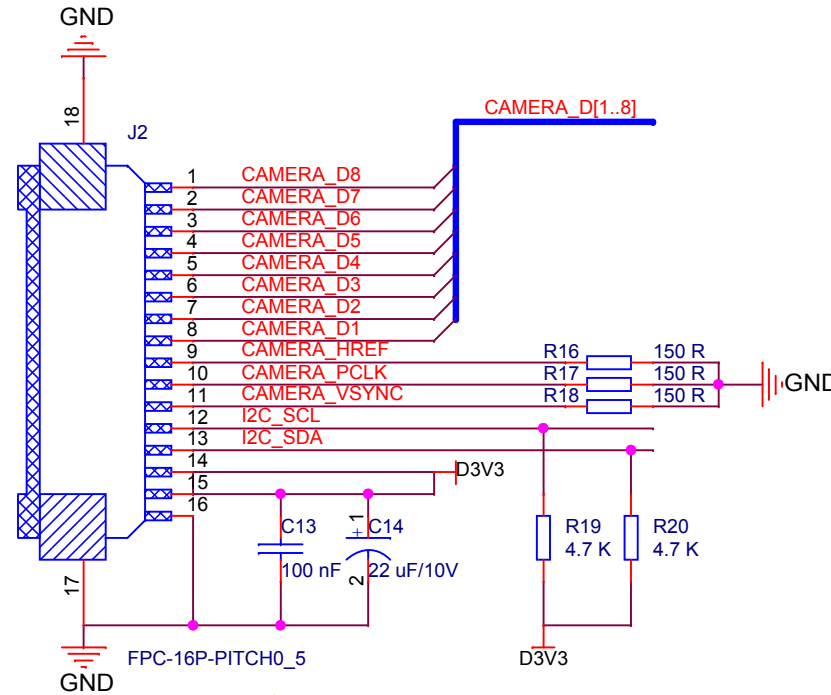
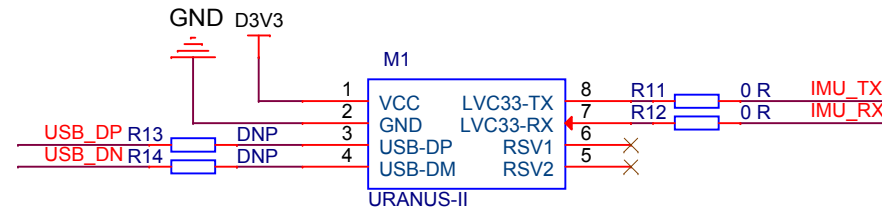
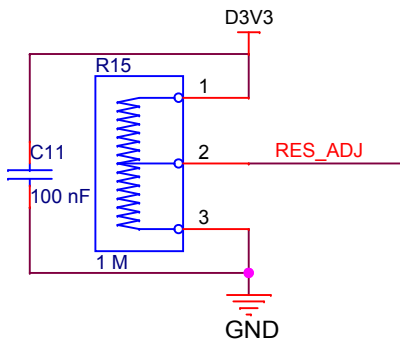
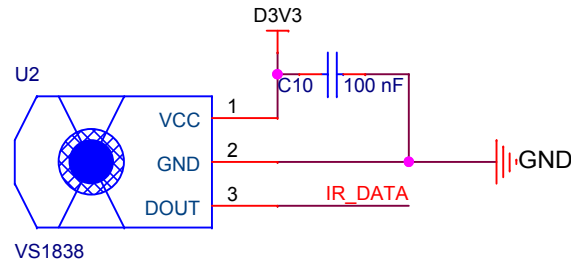
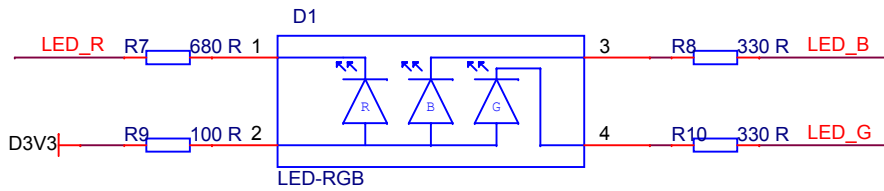


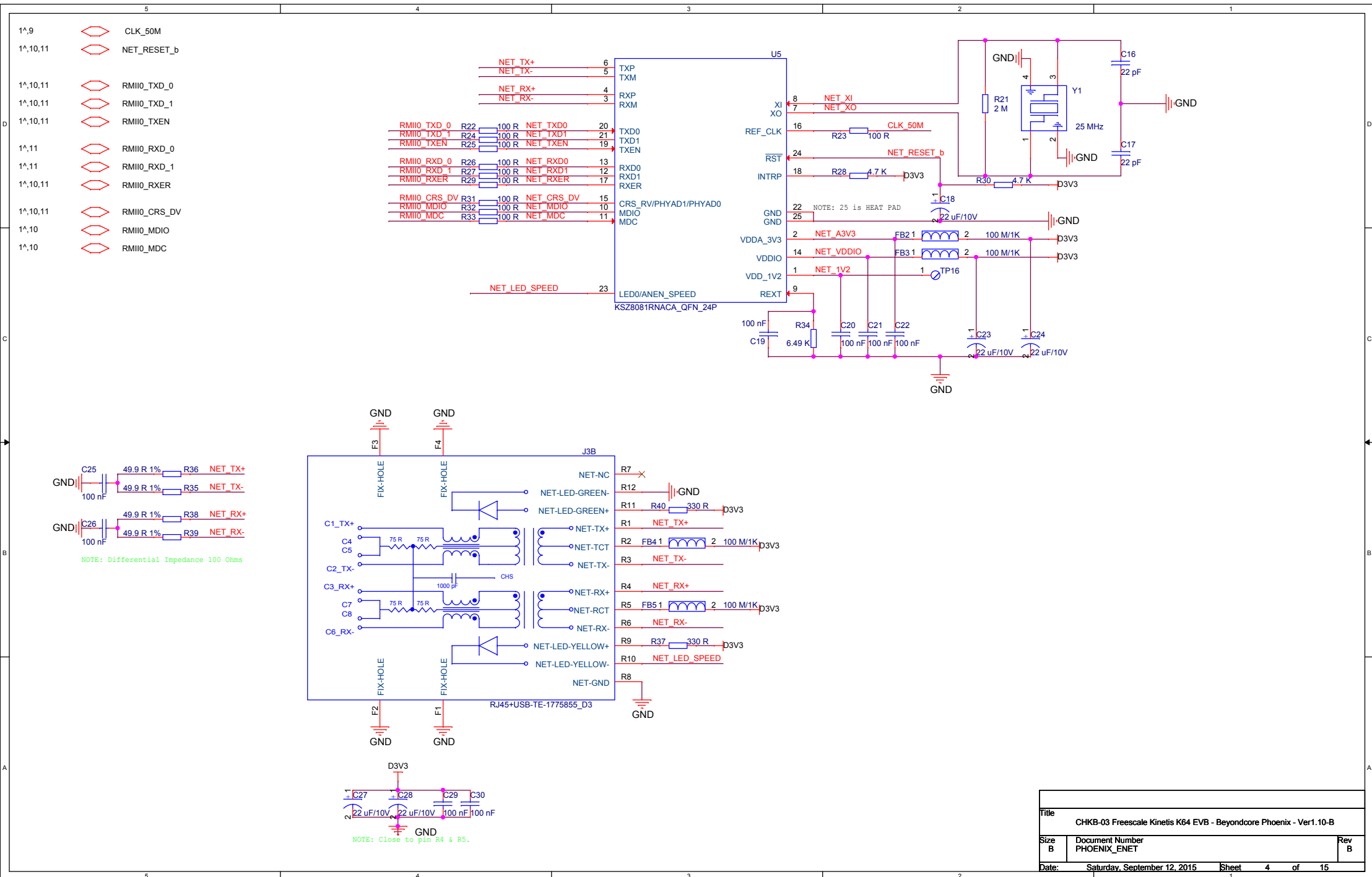
I2S_MCLK		1^,10,11
I2S_BCLK		1^,11
I2S_LRCLK		1^,11
I2S_DATA		1^,11
I2C_SCL		1^,3,10,12
I2C_SDA		1^,3,10,12



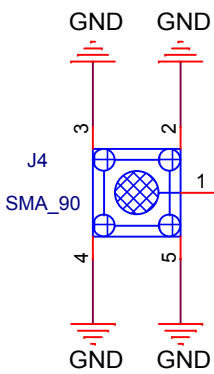
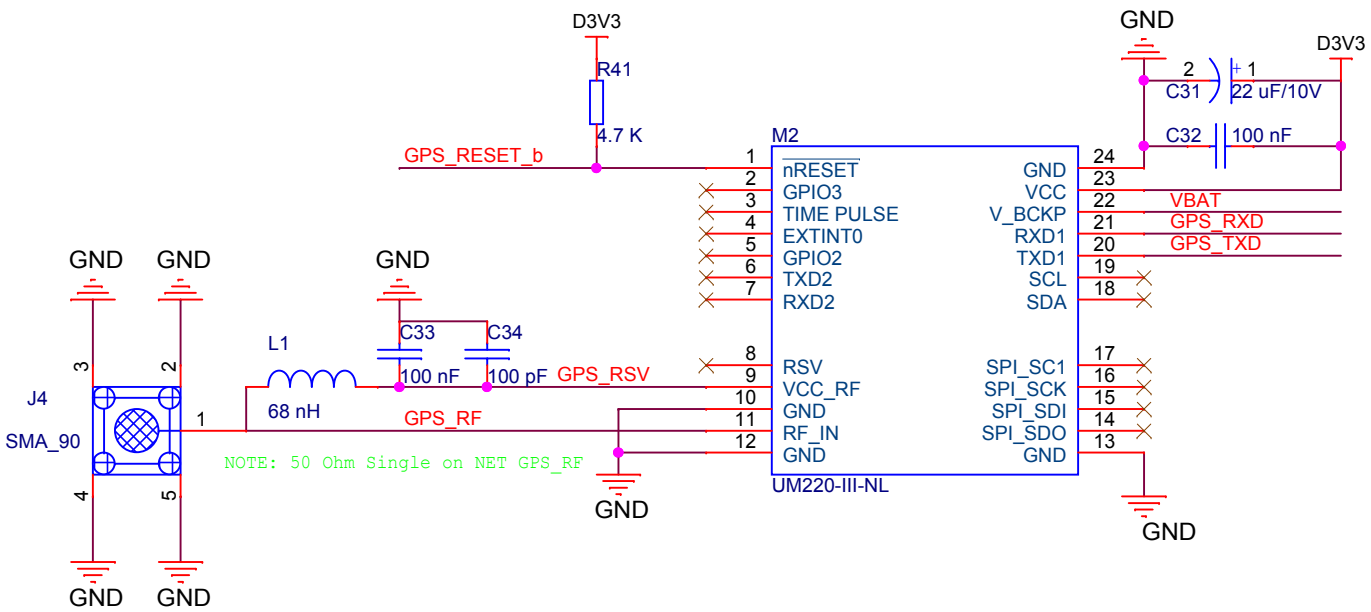
NOTE: CH\_OV7725 only.

LED_R		1^,11
LED_G		1^,10,11
LED_B		1^,10,11
IR_DATA		1^,10
RES_ADJ		1^,11
IMU_TX		1^,14
IMU_RX		1^,14
USB_DP		1^,6,9,10
USB_DN		1^,6,9,10
CAMERA_D[1..8]		1^,11
CAMERA_HREF		1^,10,11
CAMERA_PCLK		1^,10,11
CAMERA_VSYNC		1^,10,11
I2C_SCL		1^,2,10,12
I2C_SDA		1^,2,10,12

Title		
CHKB-03 Freescale Kinetis K64 EVB - Beyondcore Phoenix - Ver1.10-B		
Size	Document Number	Rev
A	PHOENIX_DEVICE	B
Date:	Saturday, September 12, 2015	Sheet 3 of 15

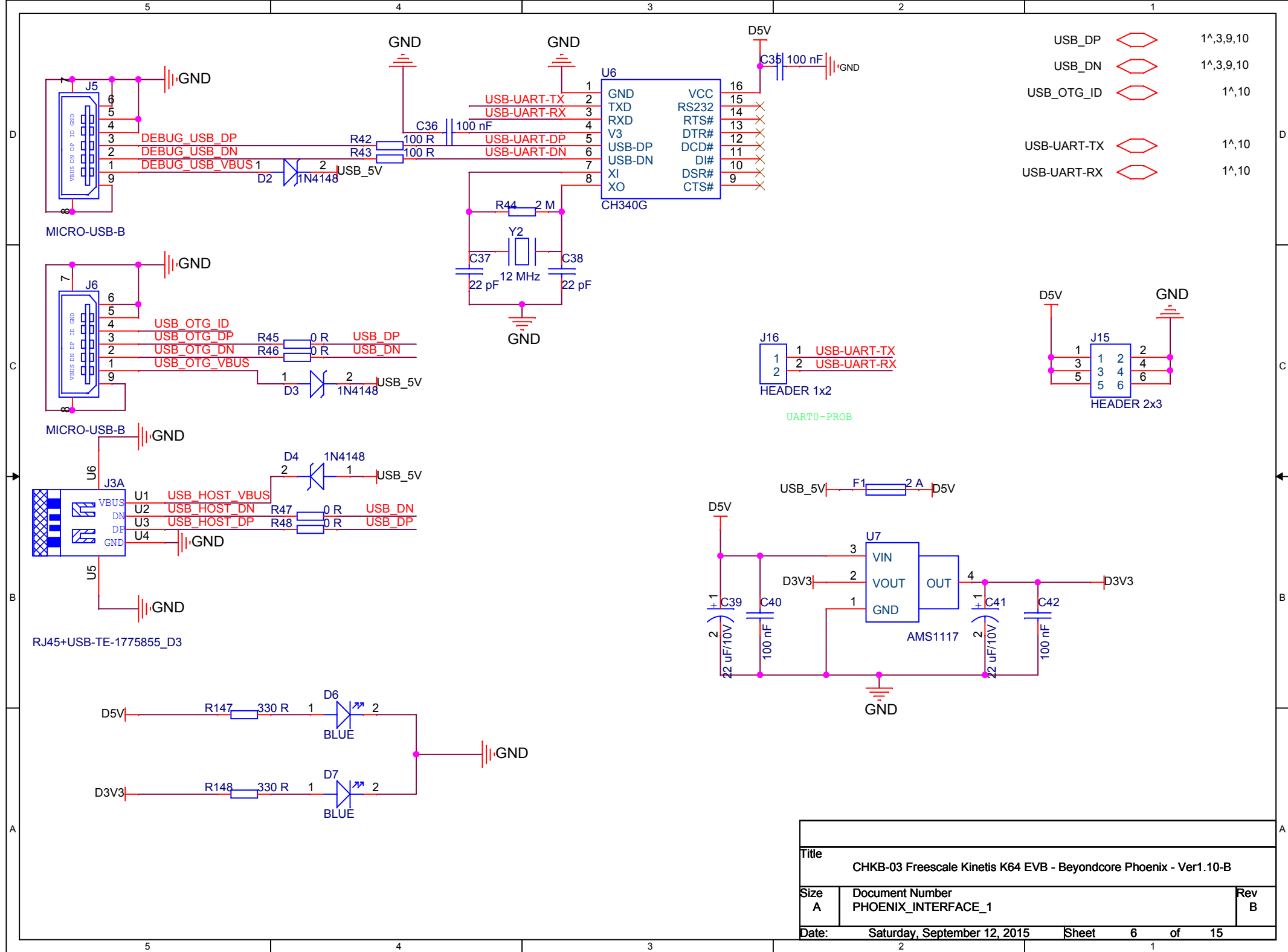


Title		
CHKB-03 Freescale Kinetis K64 EVB - Beyondcore Phoenix - Ver1.10-B		
Size	Document Number	Rev
B	PHOENIX_ENET	B
Date:	Saturday, September 12, 2015	Sheet 4 of 15

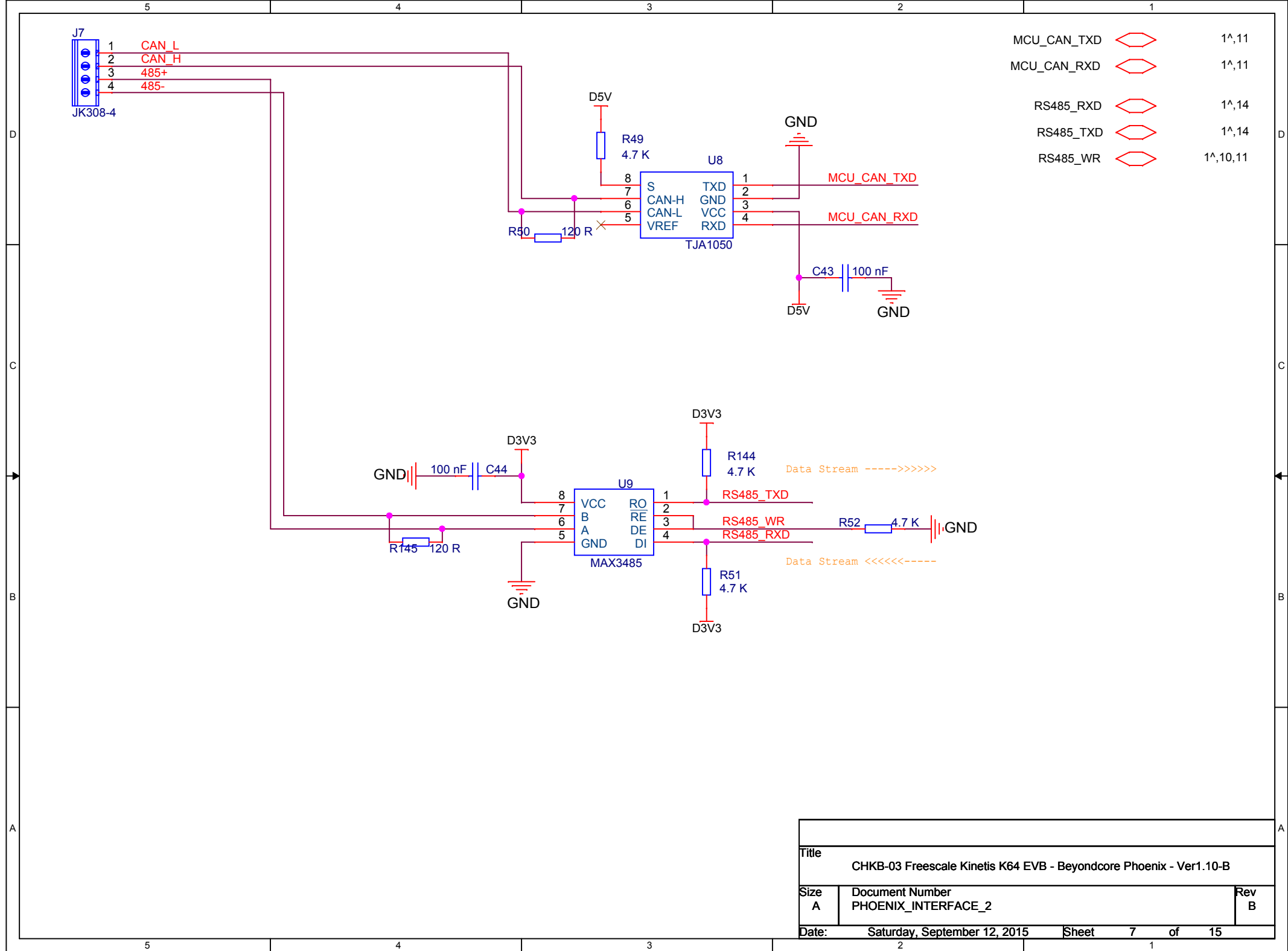


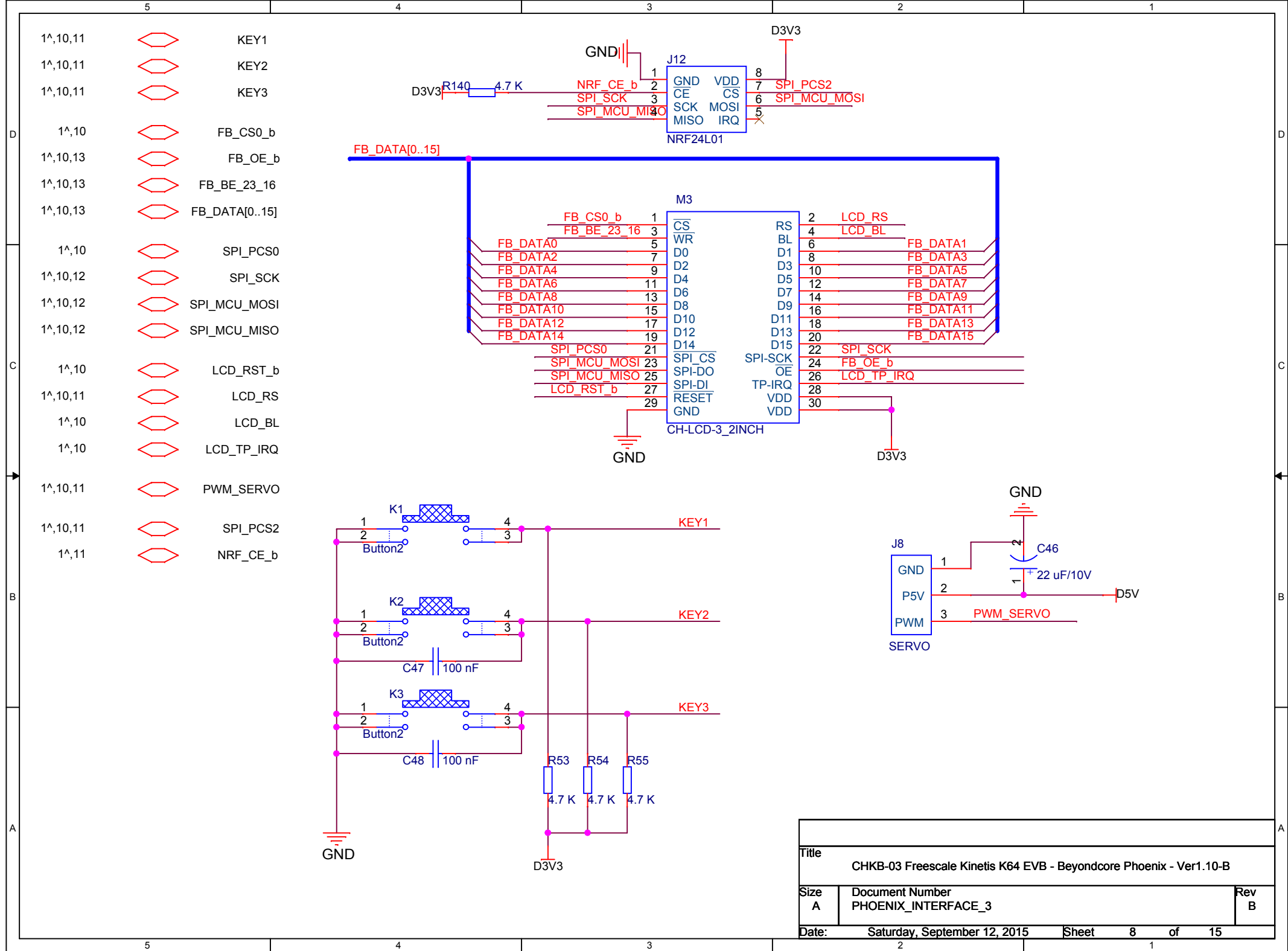
NOTE: 50 Ohm Single on NET GPS\_RF

Title		
CHKB-03 Freescale Kinetis K64 EVB - Beyondcore Phoenix - Ver1.10-B		
Size	Document Number	Rev
A	PHOENIX_GPS	B
Date:	Saturday, September 12, 2015	Sheet 5 of 15

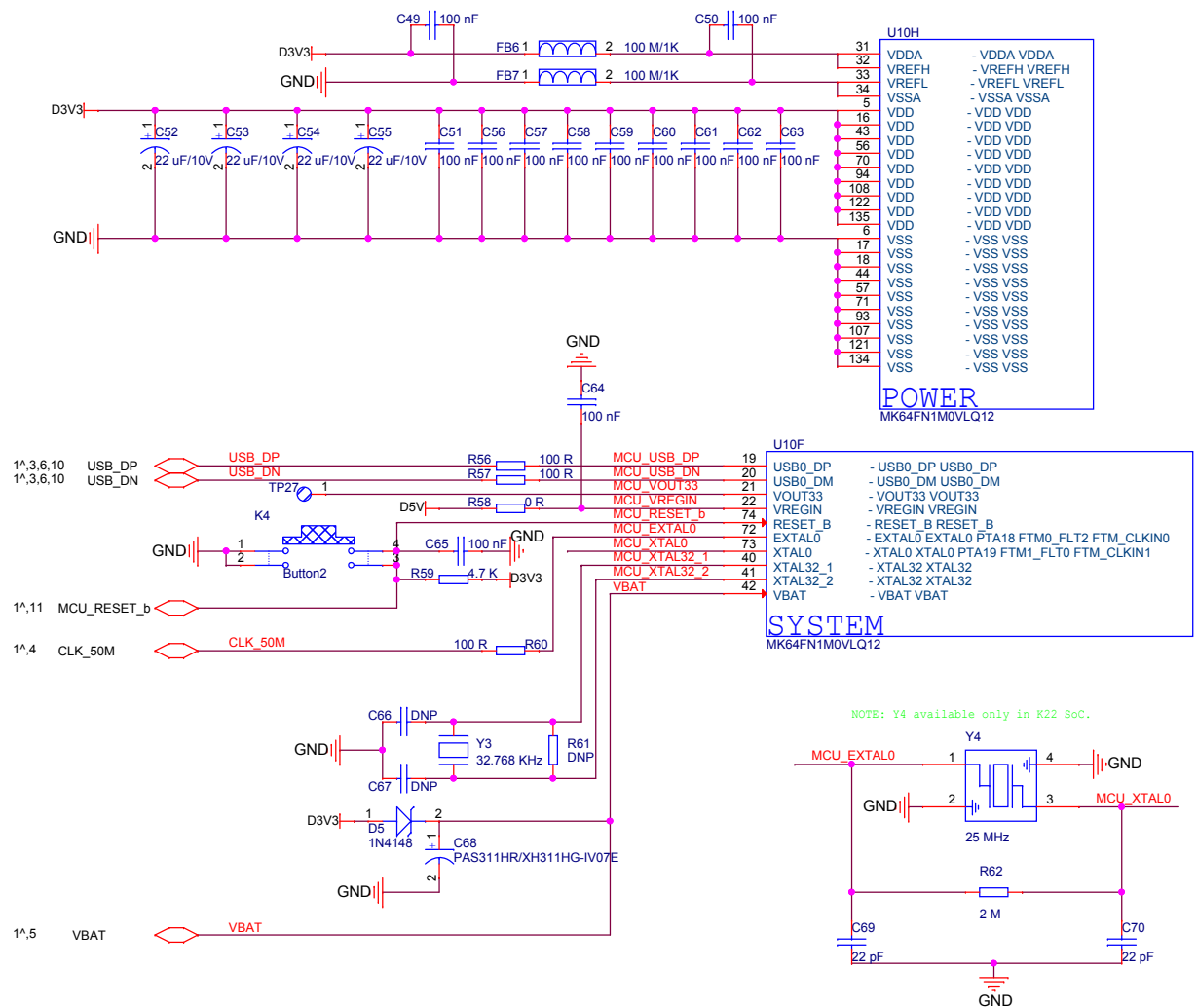


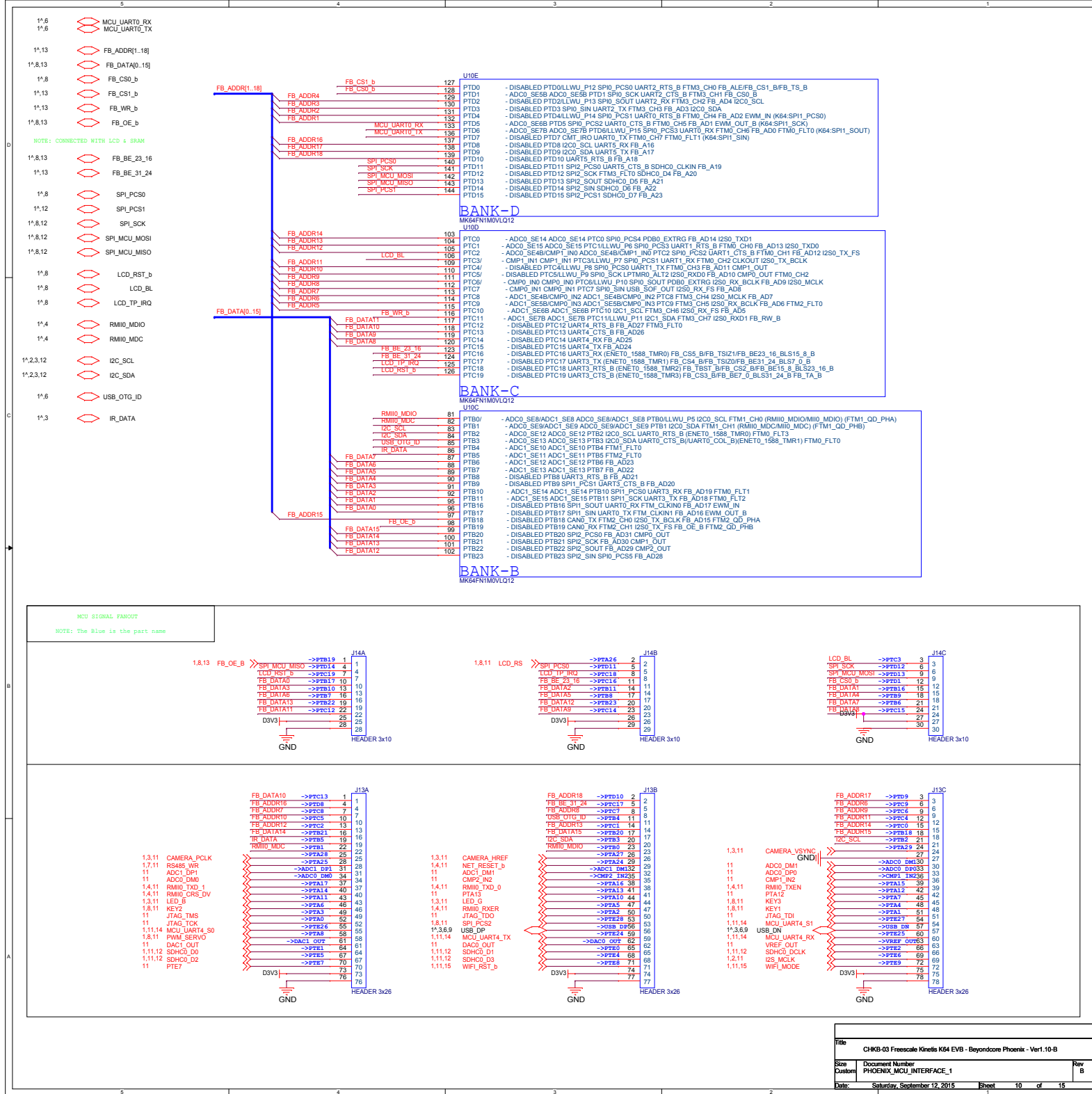
Title		
CHKB-03 Freescale Kinetis K64 EVB - Beyondcore Phoenix - Ver1.10-B		
Size	Document Number	Rev
A	PHOENIX_INTERFACE_1	B
Date:	Saturday, September 12, 2015	Sheet 6 of 15

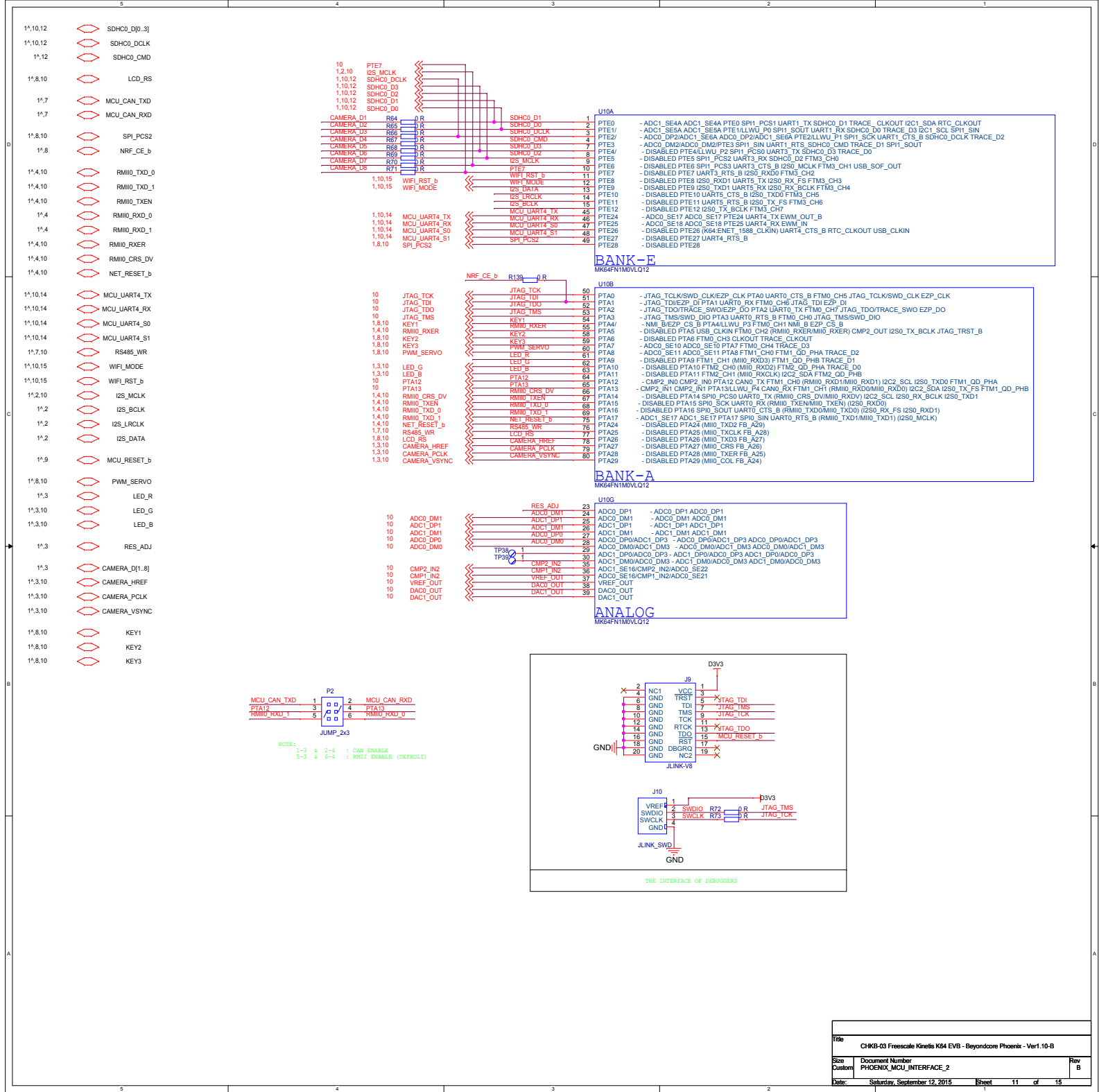


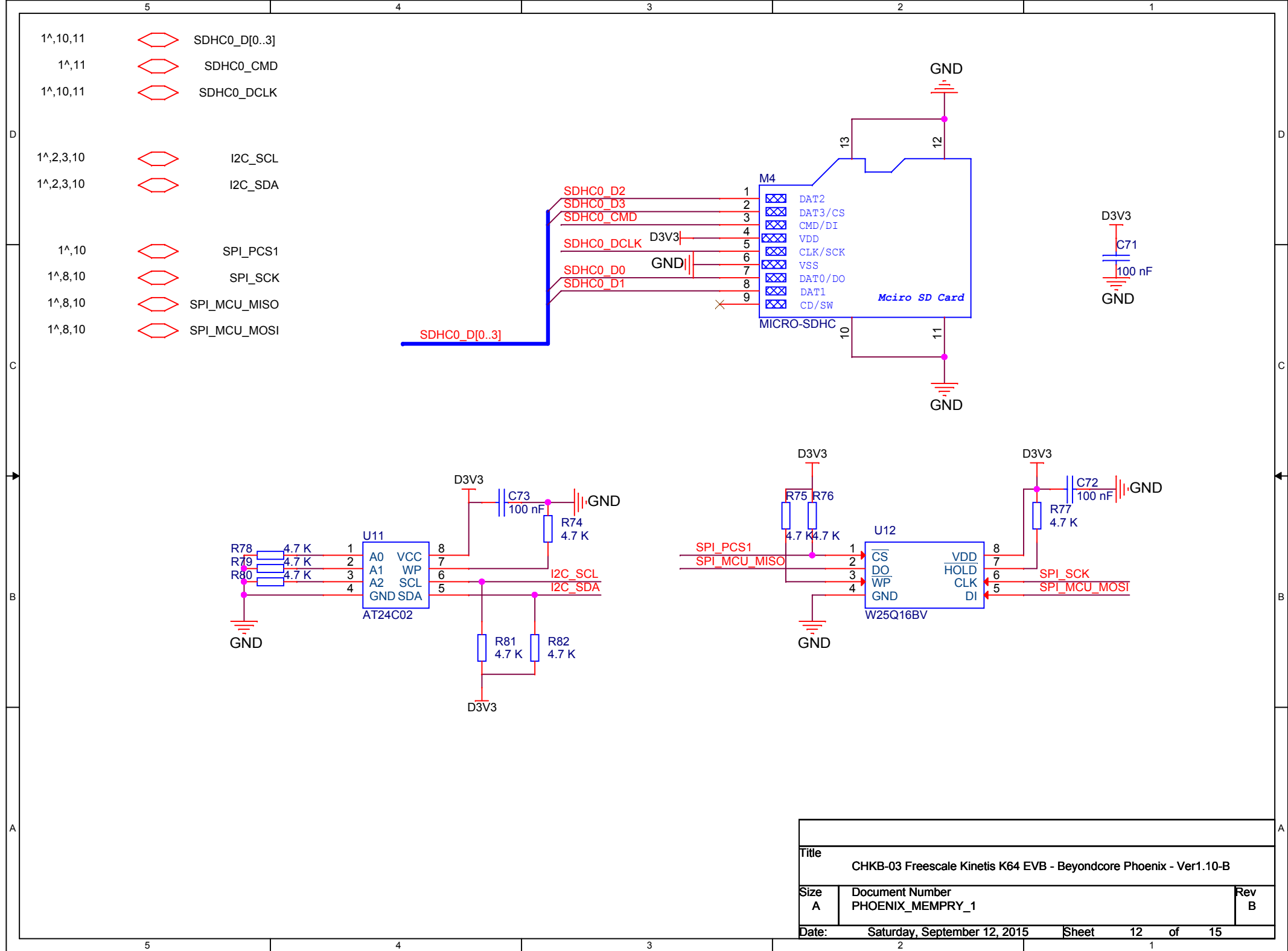


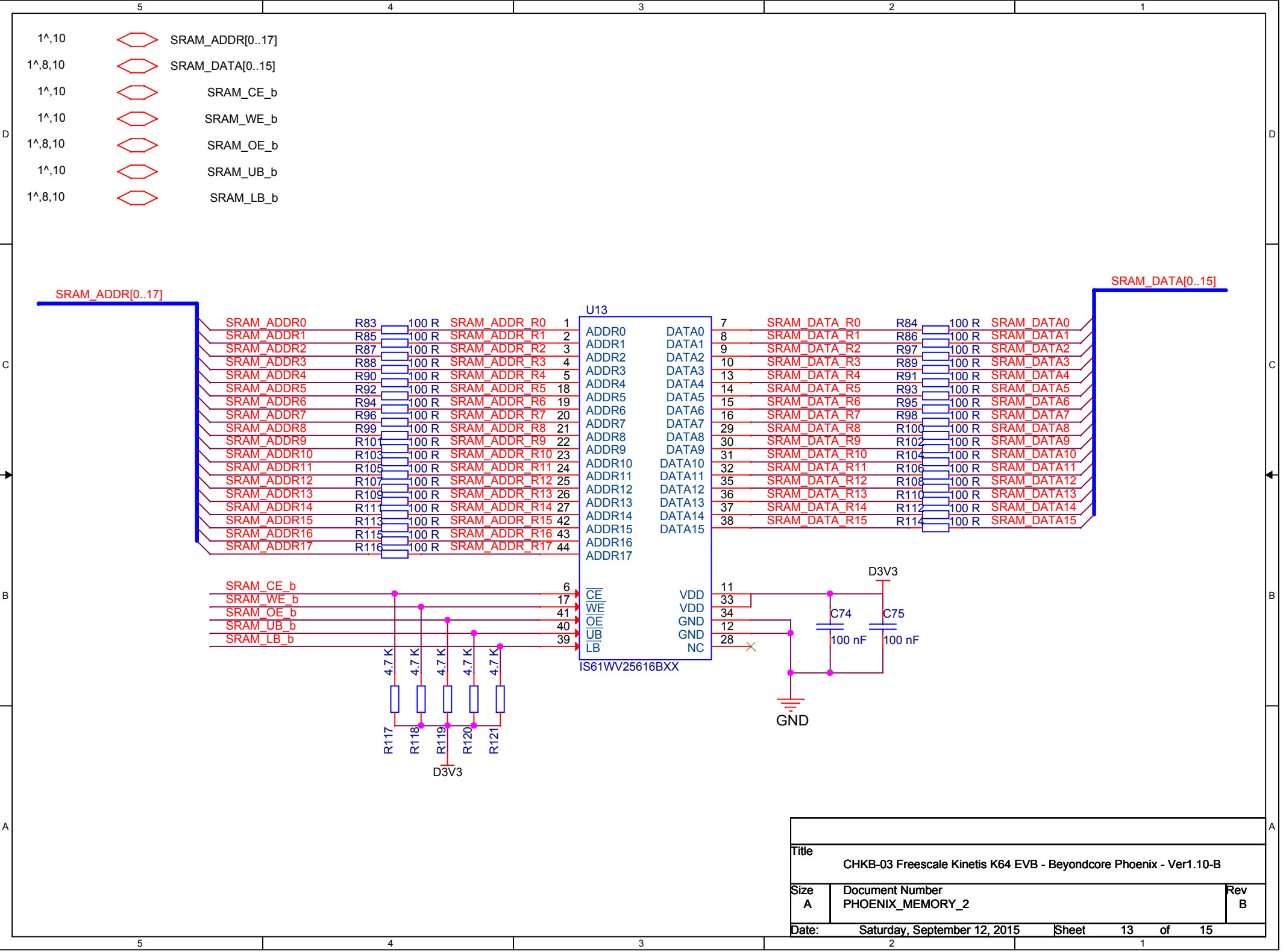












D

C

B

A

D

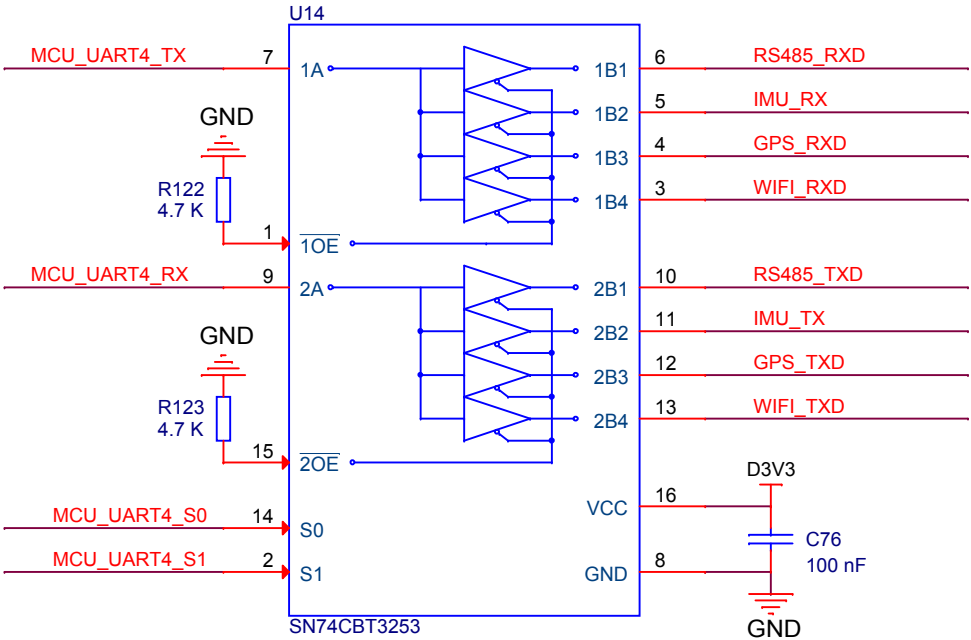
C

B

A

- 1^,10,11
- MCU\_UART4\_TX
- 1^,10,11
- MCU\_UART4\_RX
- 1^,10,11
- MCU\_UART4\_S0
- 1^,10,11
- MCU\_UART4\_S1

- RS485\_RXD
- 1^,7
- RS485\_TXD
- 1^,7
- IMU\_RX
- 1^,3
- IMU\_TX
- 1^,3
- GPS\_RXD
- 1^,5
- GPS\_TXD
- 1^,5
- WIFI\_RXD
- 1^,15
- WIFI\_TXD
- 1^,15



UART SWITCH TRUTH TABLE		
TARGET	S0 (E26 OF KINETIS)	S1 (E27 OF KINETIS)
RS485	0	0
ATTITUDE SENSOR	0	1
GPS MODULE	1	0
WIFI CHIPS	1	1

Title		
CHKB-03 Freescale Kinetis K64 EVB - Beyondcore Phoenix - Ver1.10-B		
Size A	Document Number PHOENIX_MULTIPLEXER	Rev B'
Date: Saturday, September 12, 2015 Sheet 14 of 15		

D

C

B

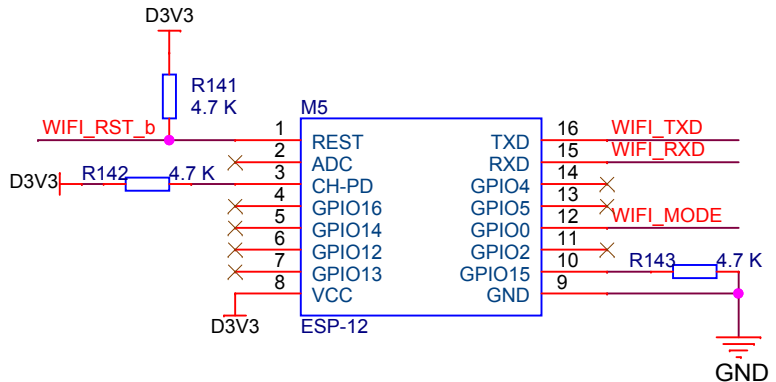
A

D

C

B

A



WIFI_TXD		1^,14
WIFI_RXD		1^,14
WIFI_RST_b		1^,10,11
WIFI_MODE		1^,10,11

Title		
CHKB-03 Freescale Kinetis K64 EVB - Beyondcore Phoenix - Ver1.10-B		
Size	Document Number	Rev
A	PHOENIX_WIFI	B
Date:	Saturday, September 12, 2015	Sheet 15 of 15