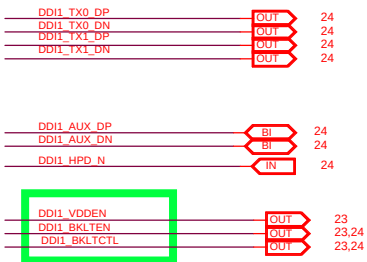
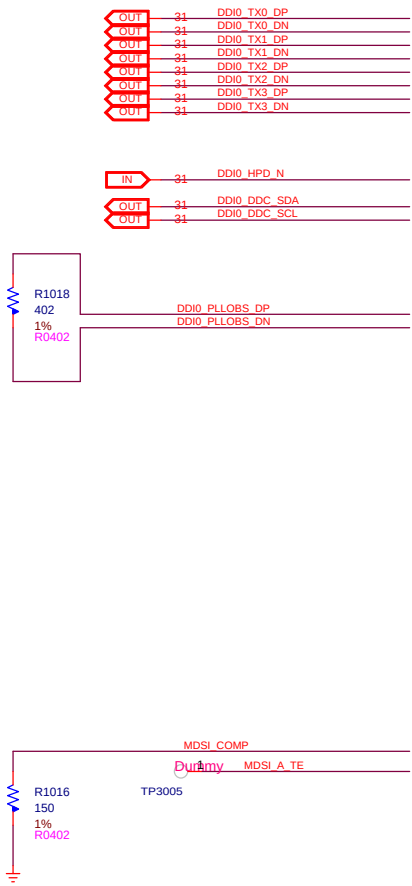
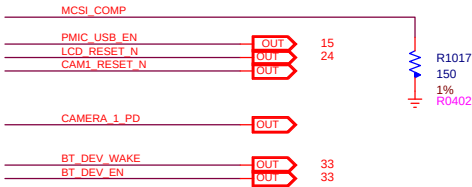


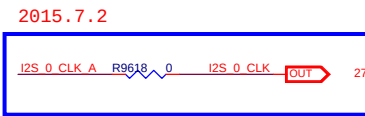
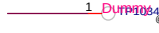
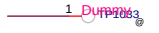
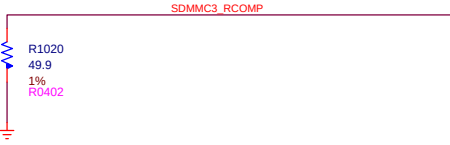
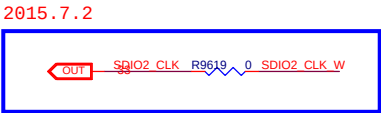
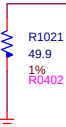
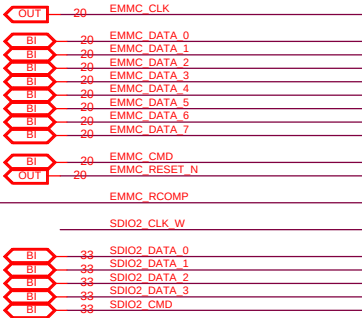
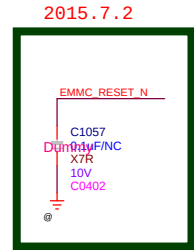
SOC:DISPLAY&CAMERA

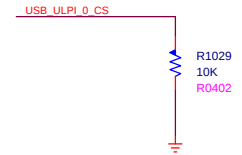
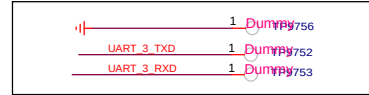
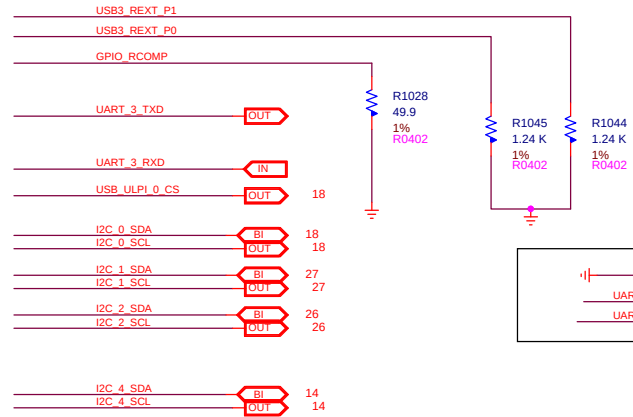
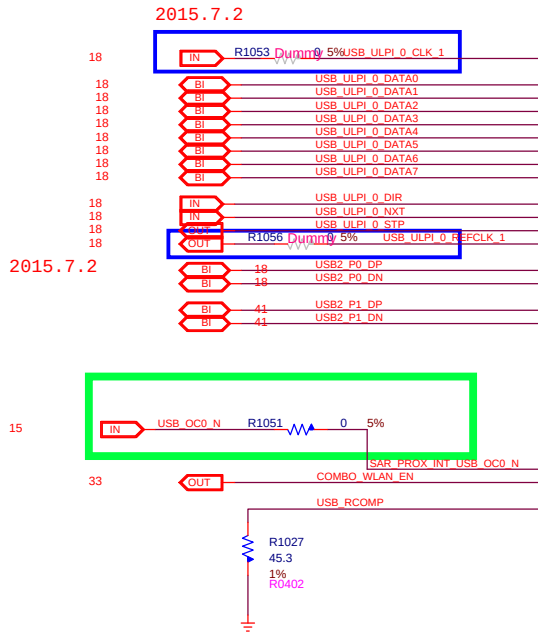


MIPI_PANEL_RESET 2014.5.28
MIPI_PANEL_BACKLIGHT_EN 2014.5.28
MIPI_PANEL_EN 2014.5.28



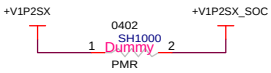
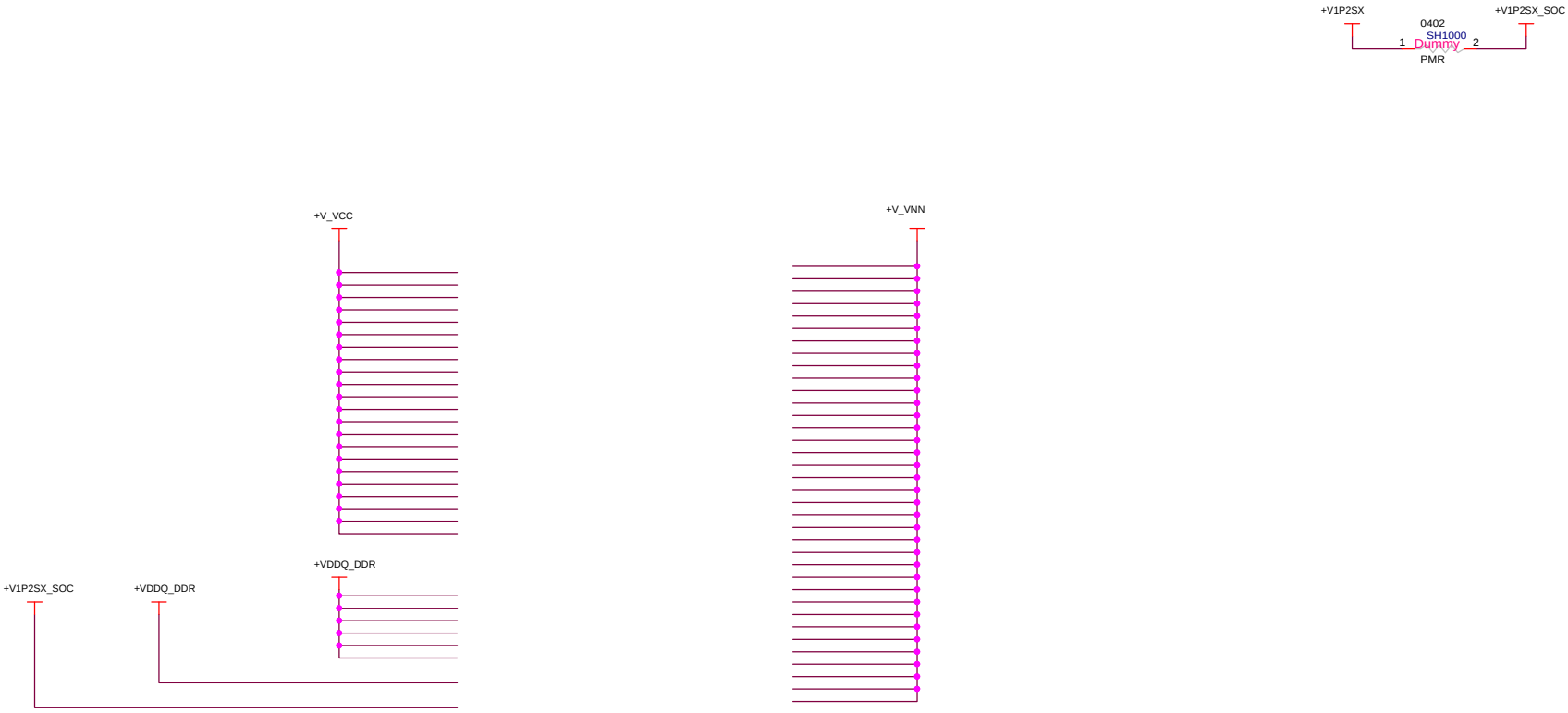
Title			
04_SOC_DISPLAY & CAMERA			
Size	Document Number		Rev
Custom			V1.0
Date:	Friday, September 25, 2015	Sheet	4 of 41



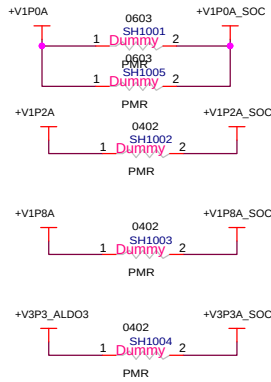
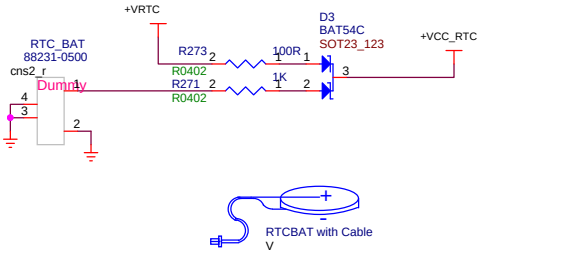
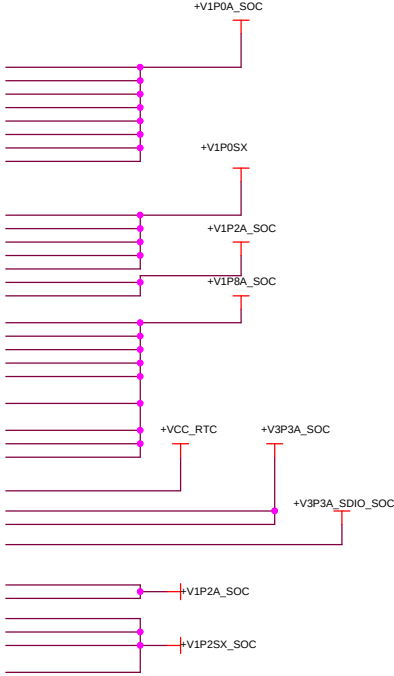
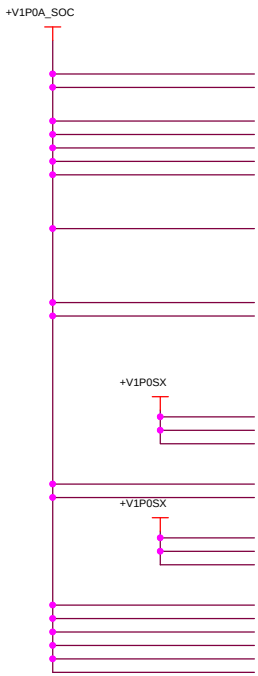


Title		
06_SOC_USB & I2C		
Size	Document Number	Rev
Custom		V1.0
Date:	Friday, September 25, 2015	Sheet 6 of 41

SOC:POWER 1

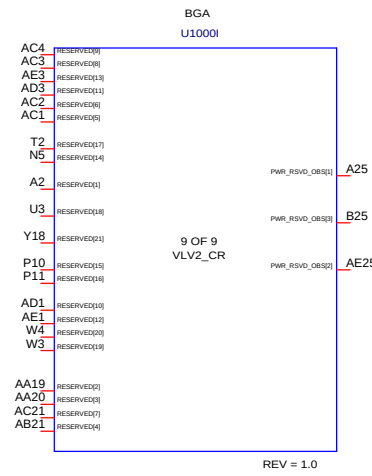
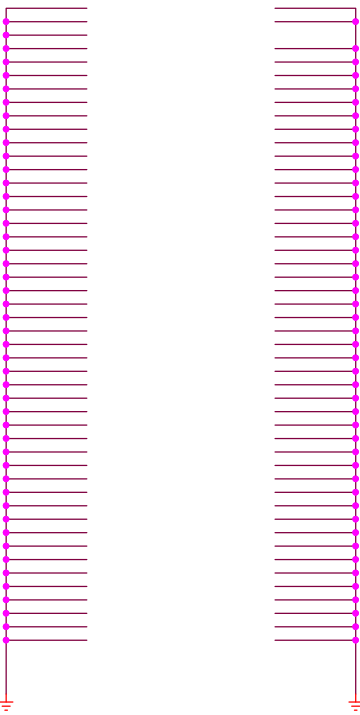


Title		
08_SOC_POWER 1		
Size	Document Number	Rev
Custom		V1.0
Date:	Friday, September 25, 2015	Sheet 8 of 41



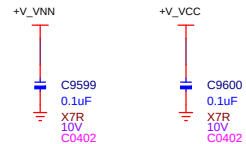
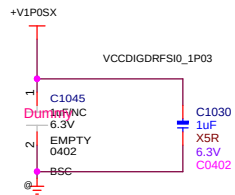
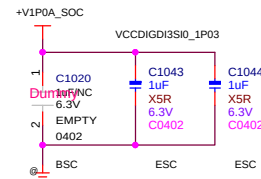
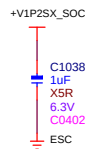
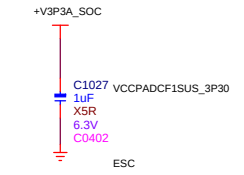
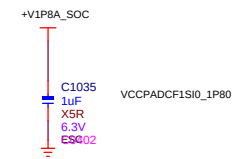
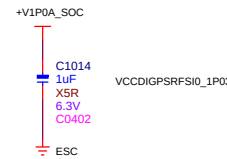
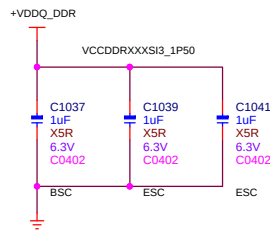
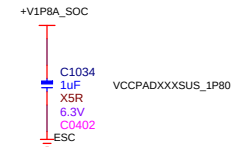
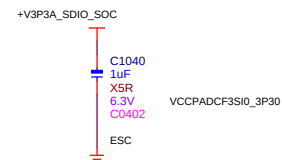
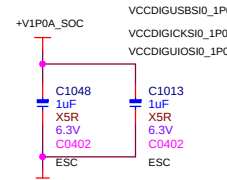
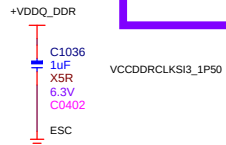
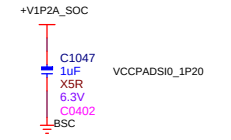
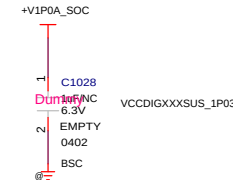
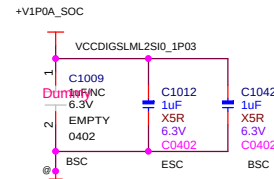
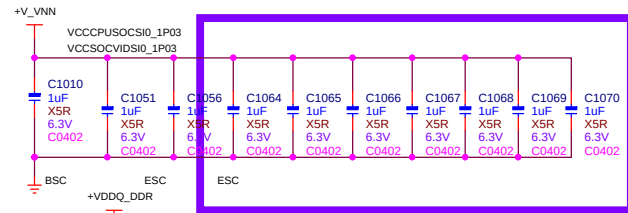
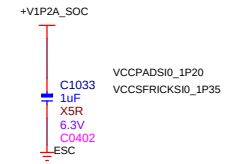
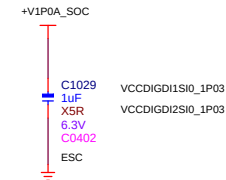
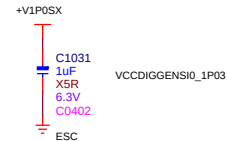
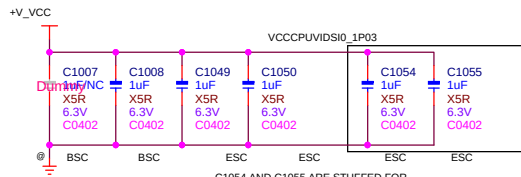
Title		
09_SOC_POWER 2		
Size	Document Number	Rev
Custom		V1.0
Date:	Friday, September 25, 2015	Sheet 9 of 41

SOC:GND



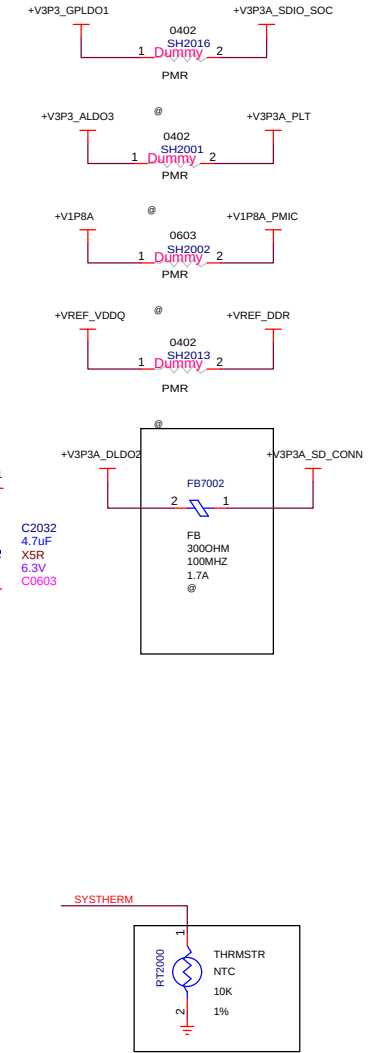
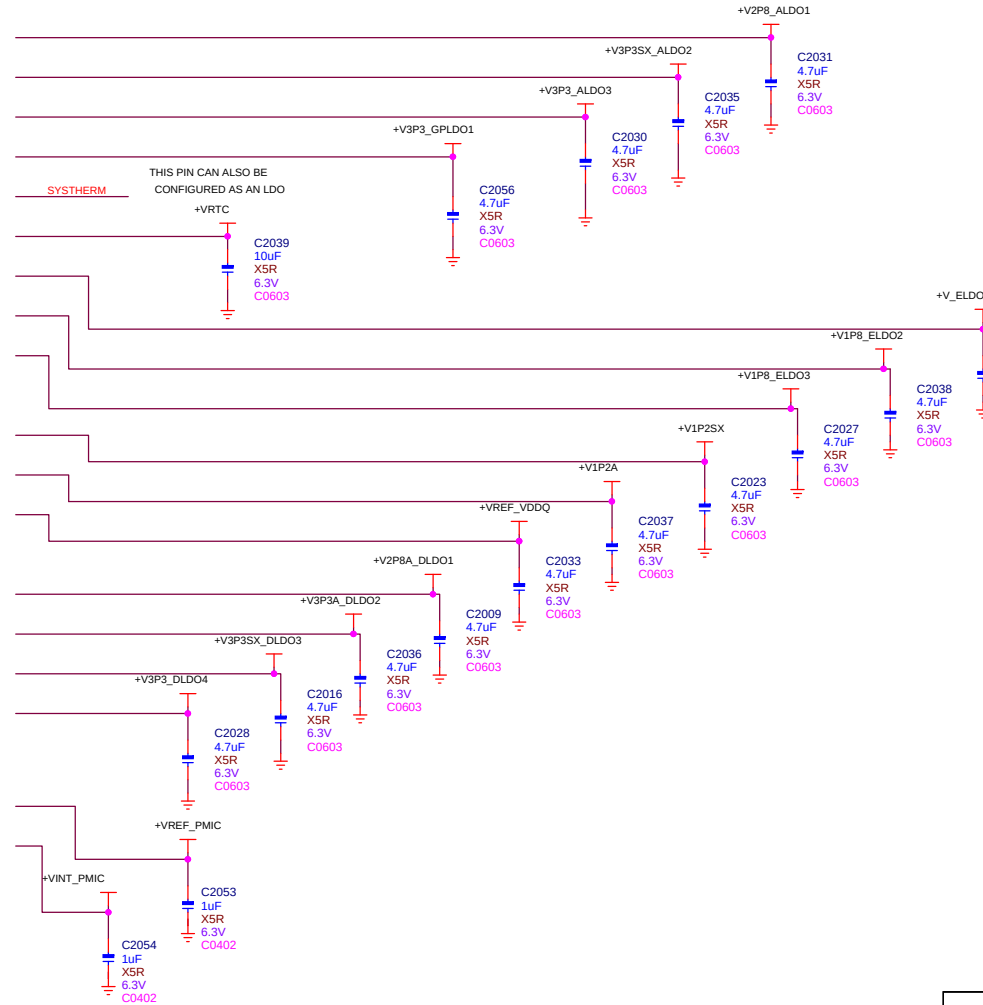
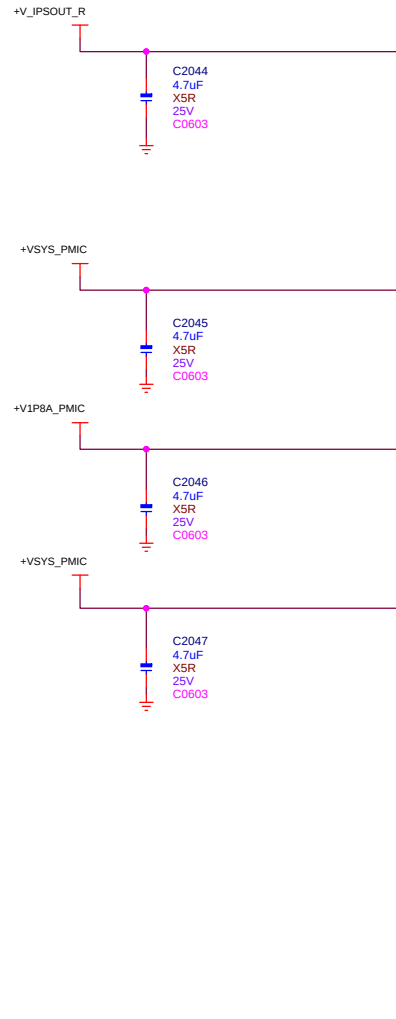
Title			
10_SOC_GND			
Size	Document Number		Rev
Custom			V1.0
Date:	Friday, September 25, 2015	Sheet	10 of 41

SOC:DECOUPLING



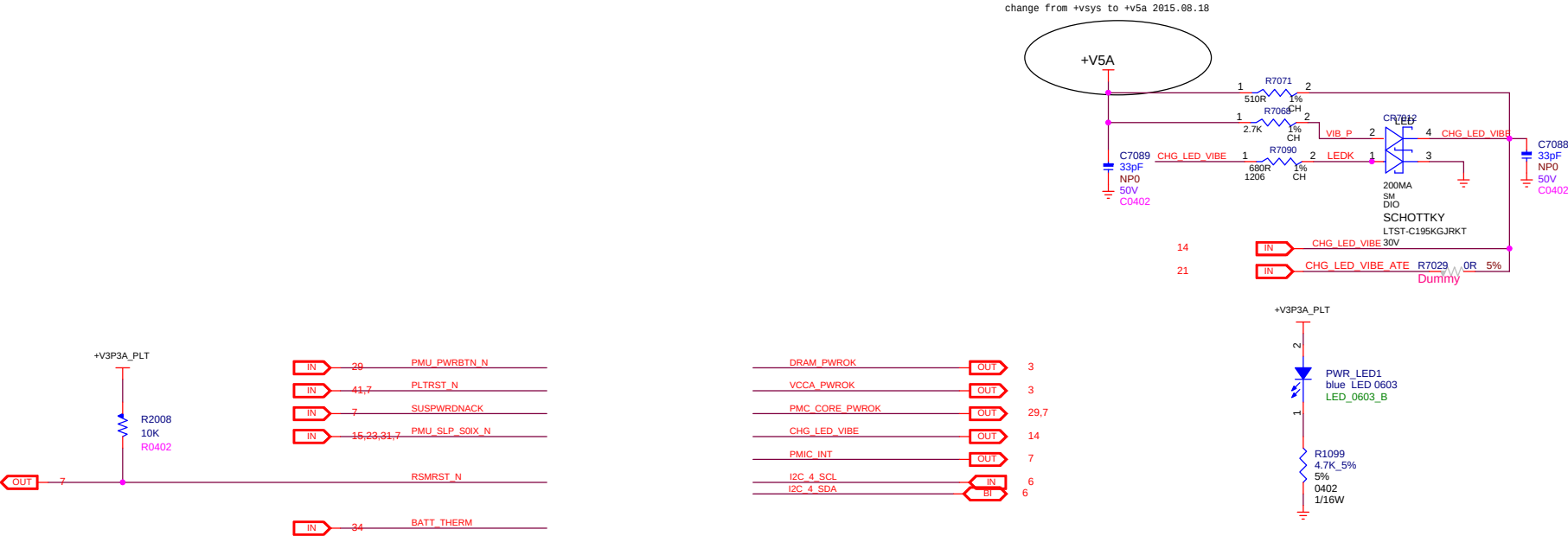
Title			
11_SOC_DECOUPLING			
Size	Document Number		Rev
Custom			V1.0
Date:	Friday, September 25, 2015	Sheet 11 of 41	

PMIC: LDOS



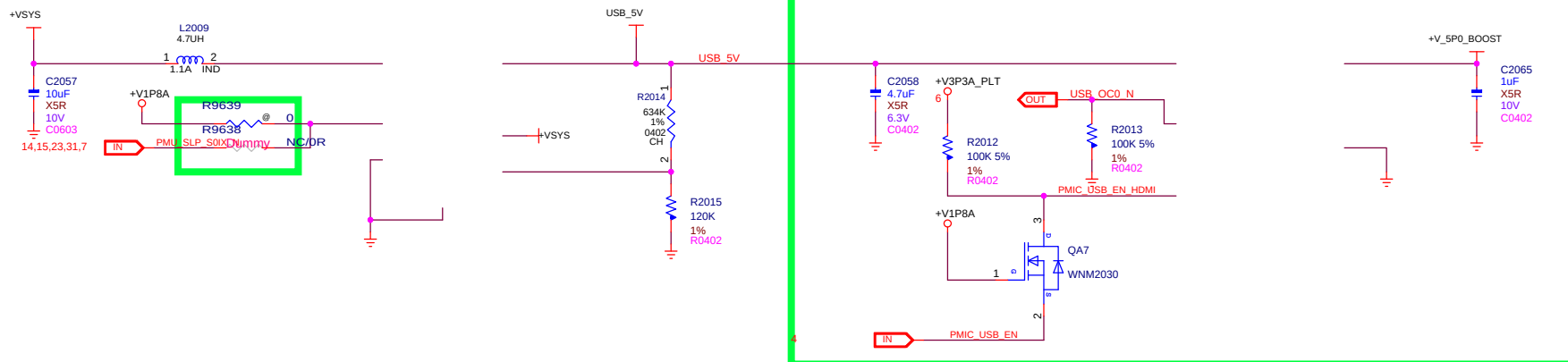
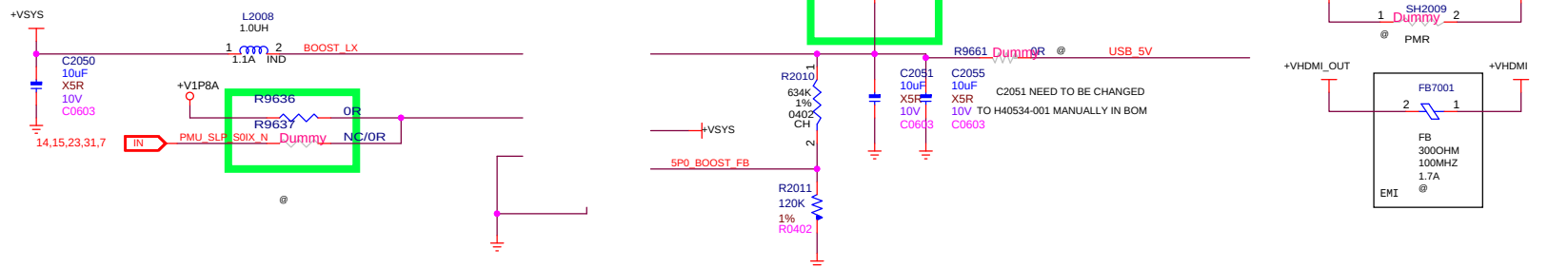
Title		
13_PMIC_LDOS		
Size	Document Number	Rev
Custom		V1.0
Date:	Friday, September 25, 2015	Sheet 13 of 41

PMIC: HOST & MISC INTERFACES



Title		
14_PMIC_HOST & MISC INTERFACES		
Size	Document Number	Rev
Custom		V1.0
Date:	Friday, September 25, 2015	Sheet 14 of 41

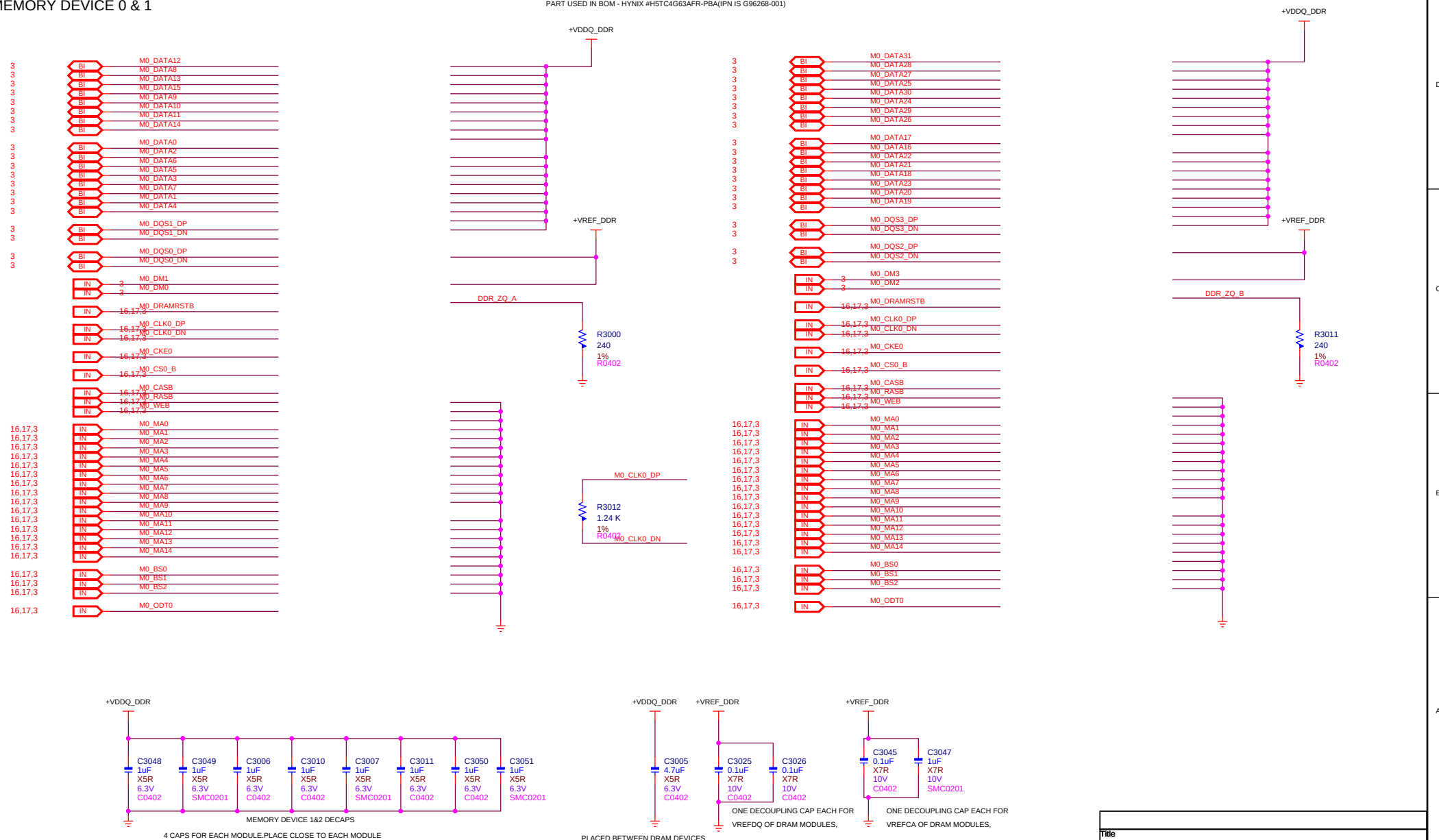
PMIC: EXTERNAL REGULATORS



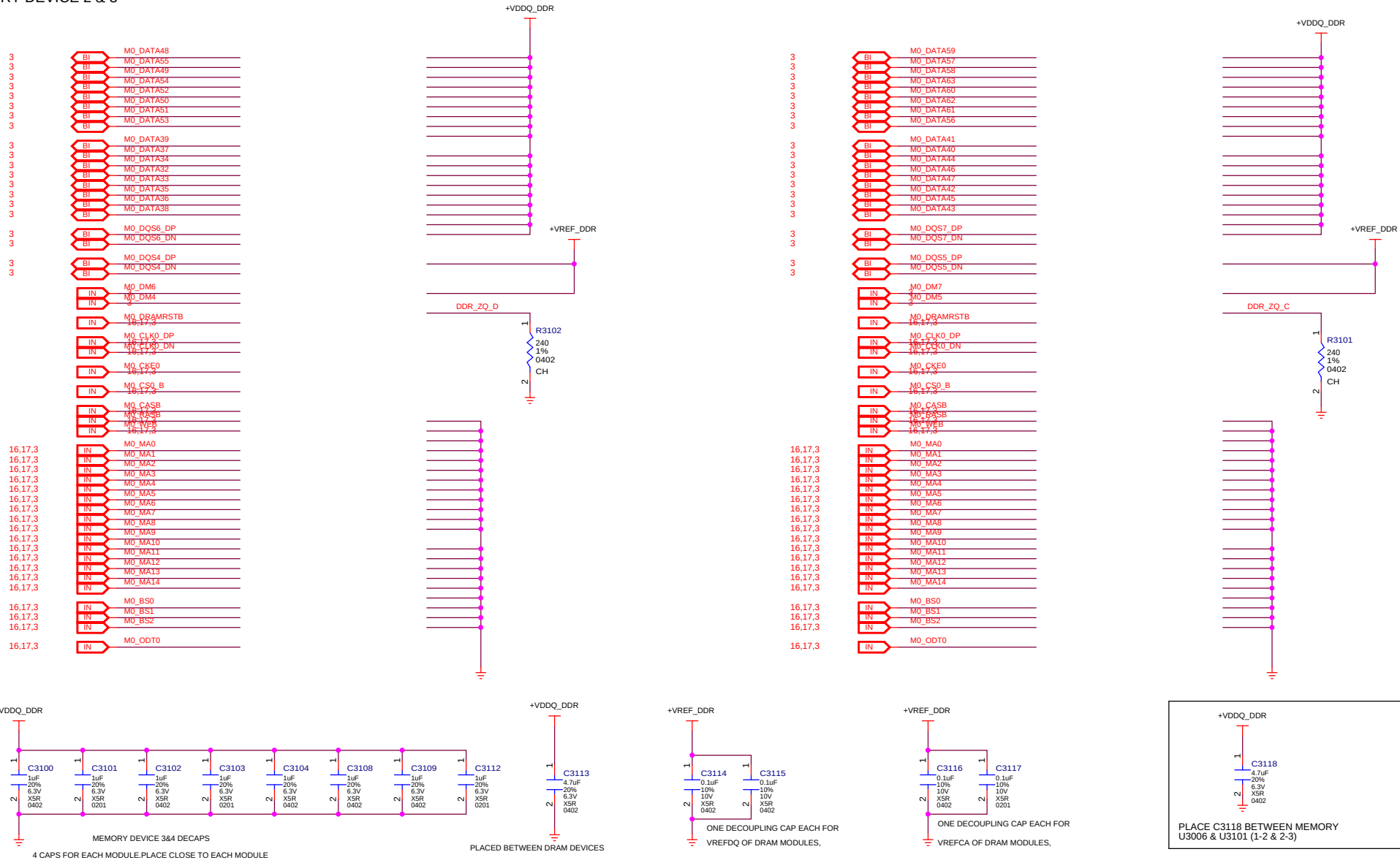
Title			
15_PMIC_EXTERNAL REGULATORS			
Size	Document Number		Rev
Custom			V1
Date:	Friday, September 25, 2015	Sheet	15 of 41

MEMORY DEVICE 0 & 1

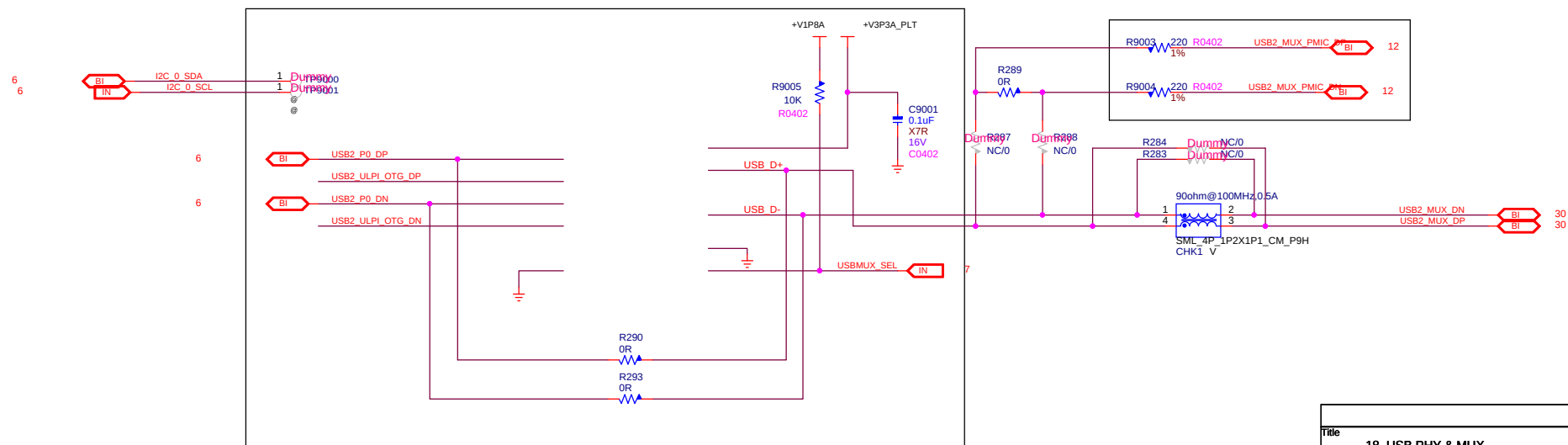
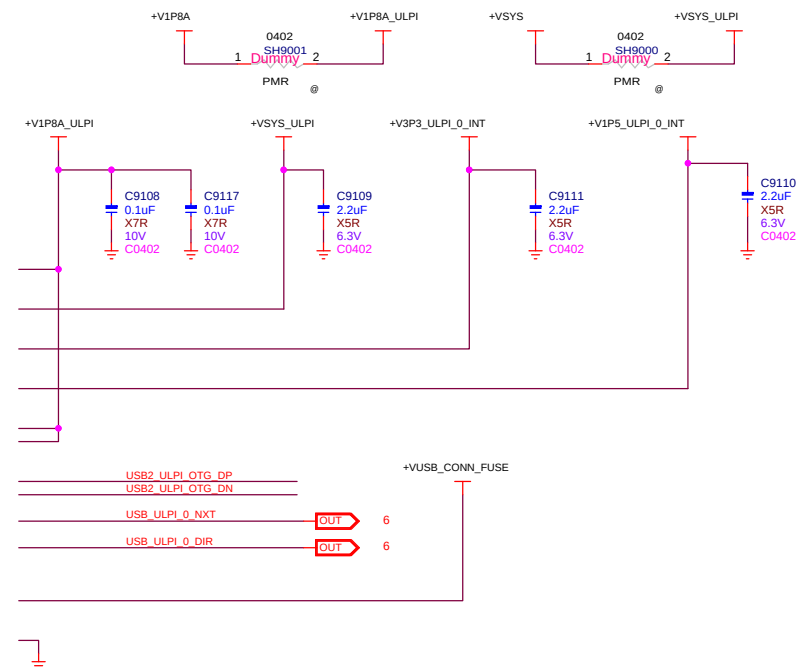
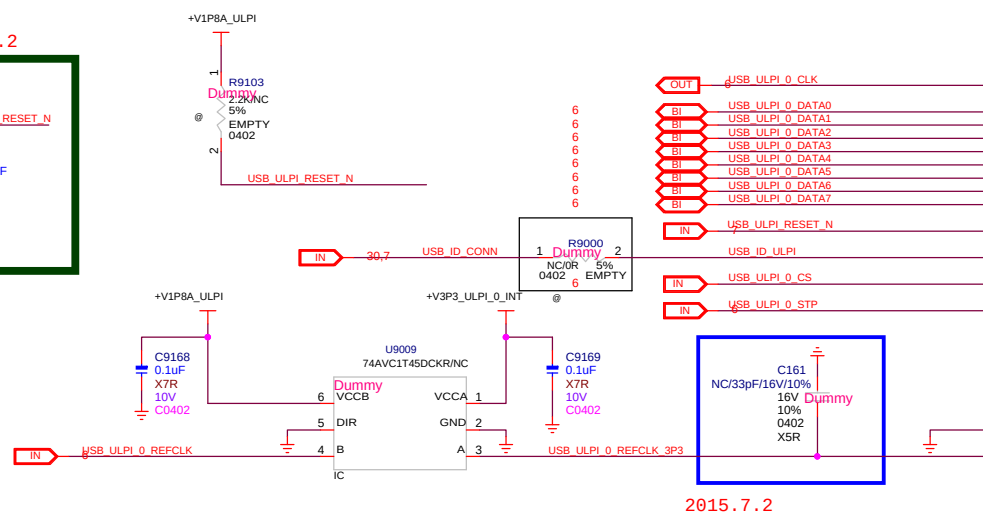
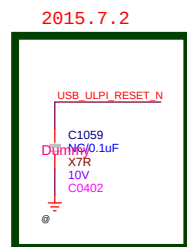
PART USED IN BOM - HYNIX #H5TC4G63AFR-PBA(IPN IS G96268-001)



MEMORY DEVICE 2 & 3

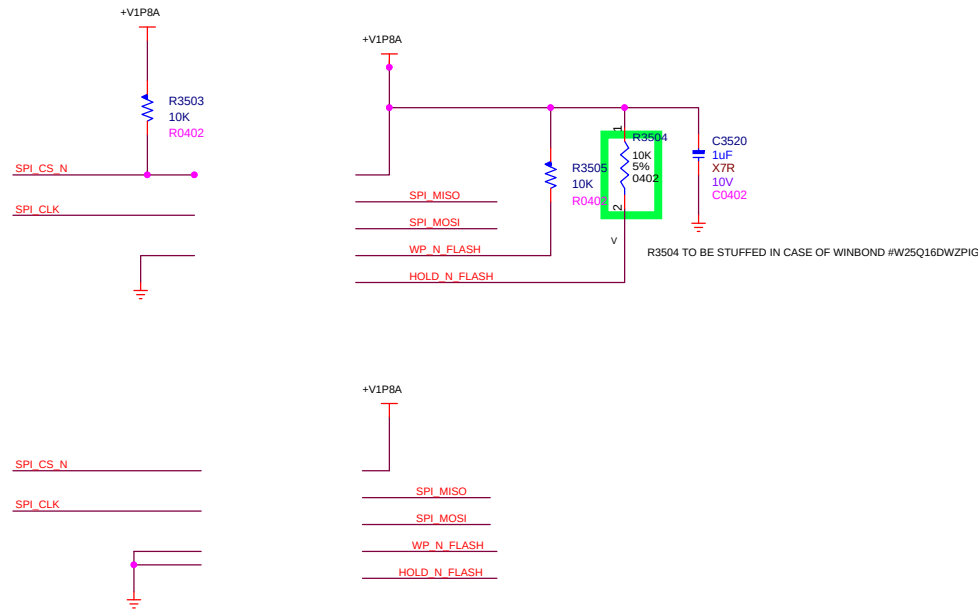


USB PHY & MUX

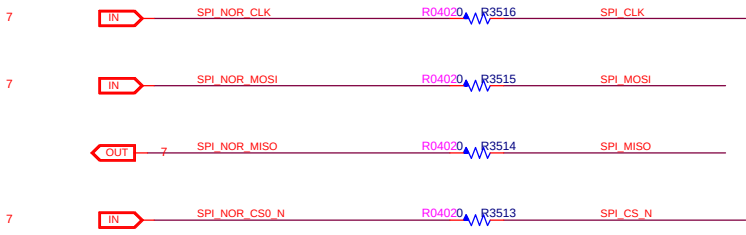


Title			
18_USB PHY & MUX			
Size	Document Number	Rev	
Custom		V1.0	
Date:	Friday, September 25, 2015	Sheet	18 of 41

SPI NOR FLASH

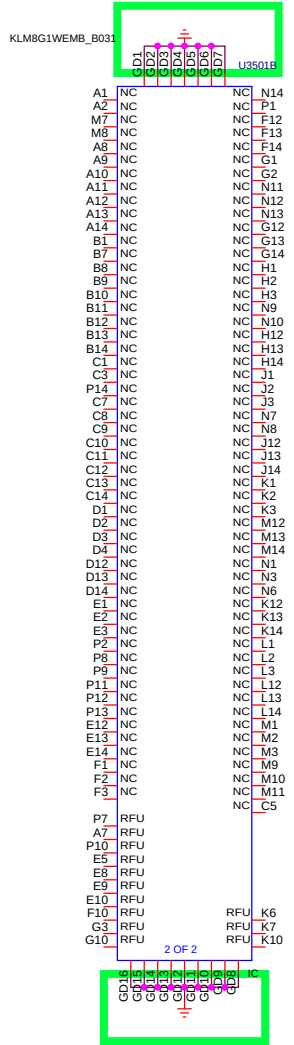
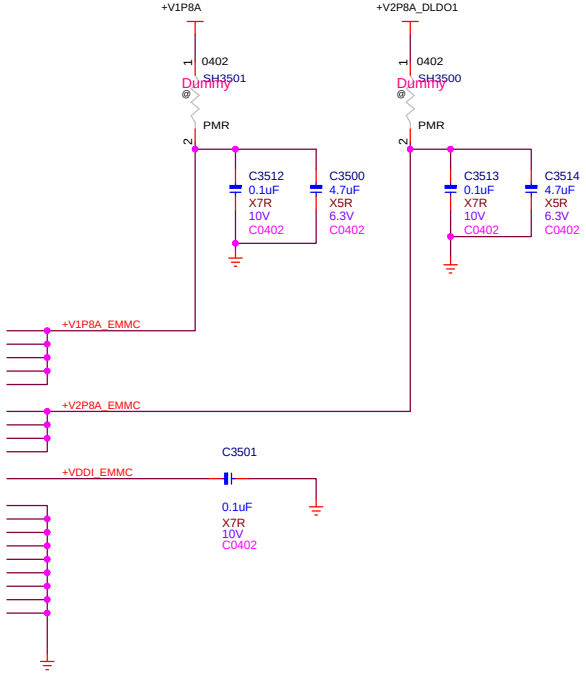
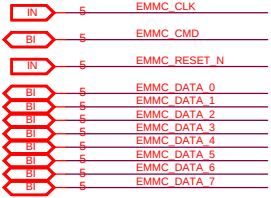


DEDIPROG MUST HAVE THE VOLTAGE SETTING FIXED AT 1.8V



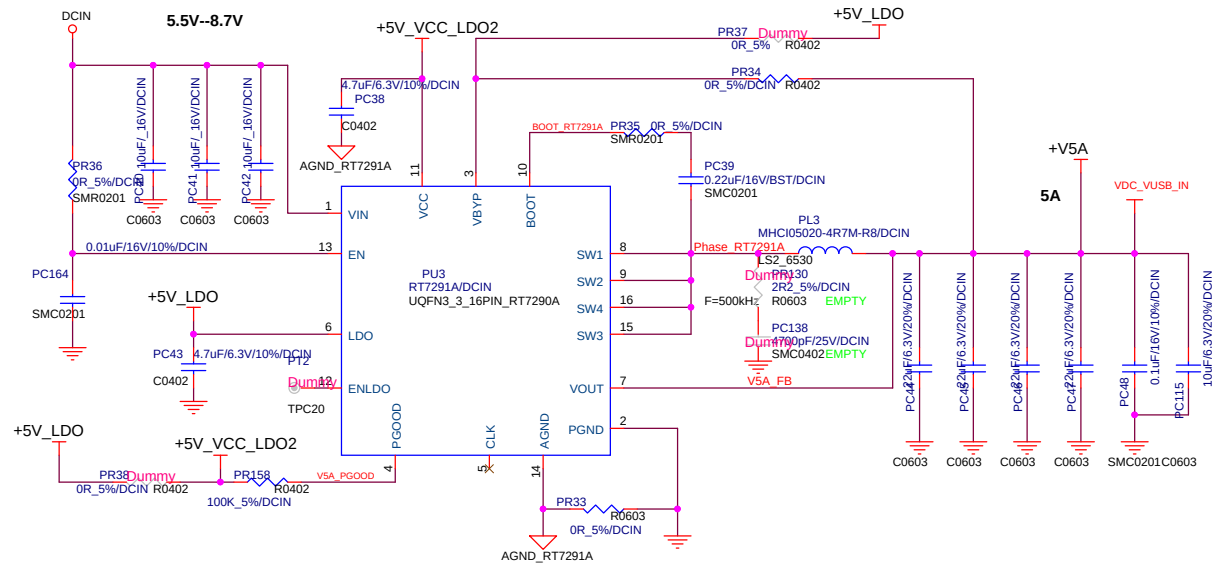
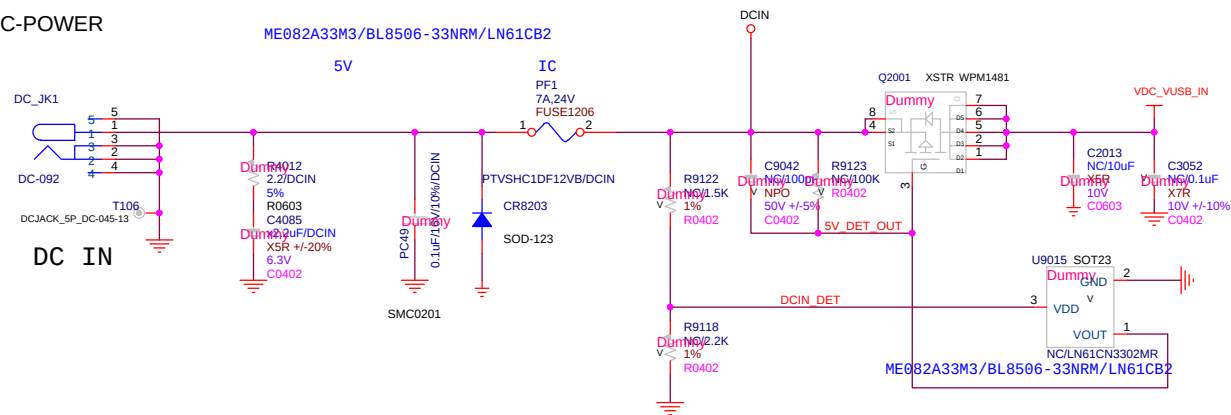
Title			
19_SPI NOR FLASH			
Size	Document Number		
Custom			
Date:	Friday, September 25, 2015	Sheet	19 of 41
		Rev	V1.0

EMMC

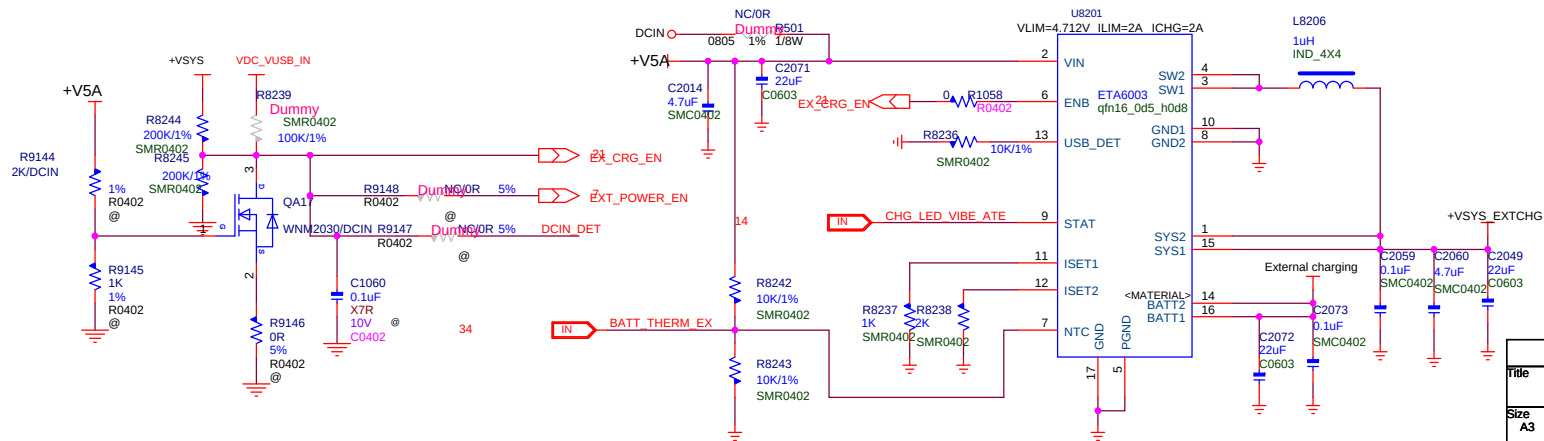


Title		
20_EMMC		
Size	Document Number	Rev
Custom		V1.0
Date:	Friday, September 25, 2015	Sheet 20 of 41

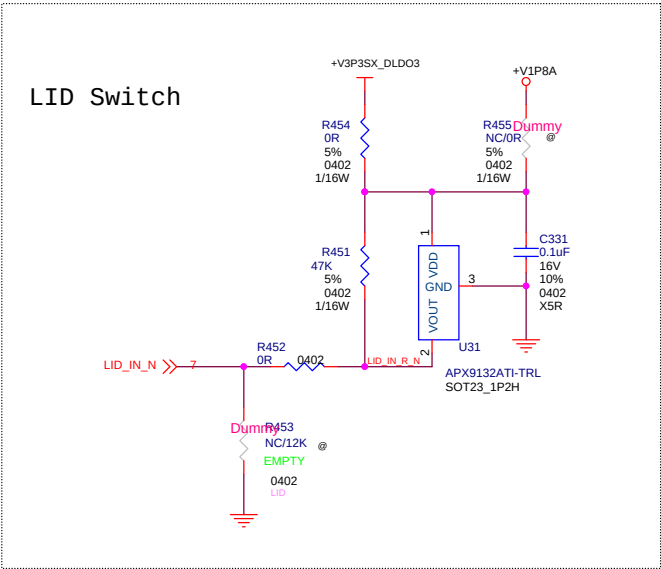
DC-POWER



EXTERNAL CHARGER

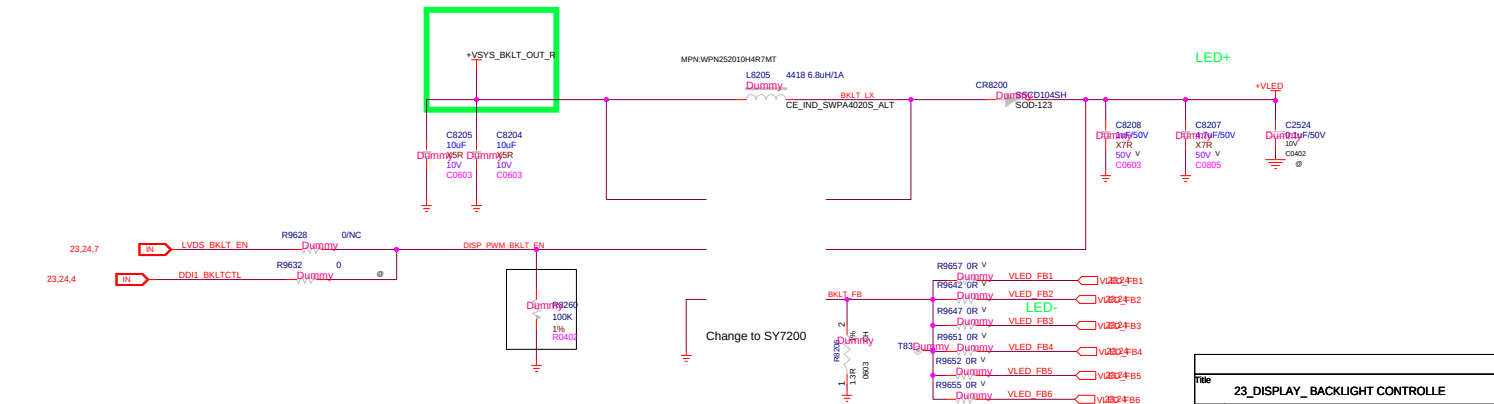
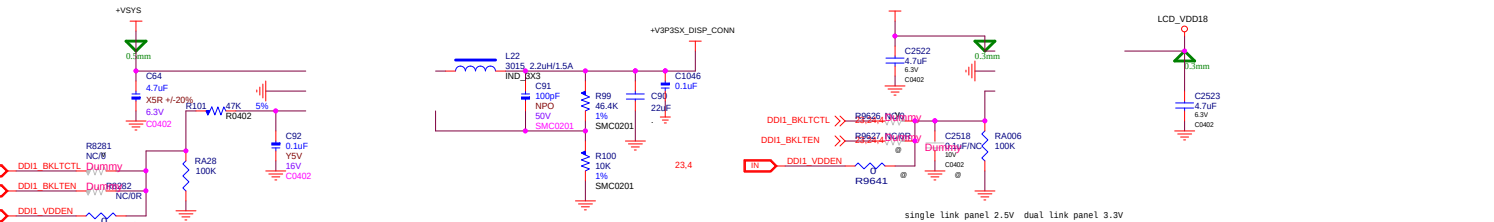
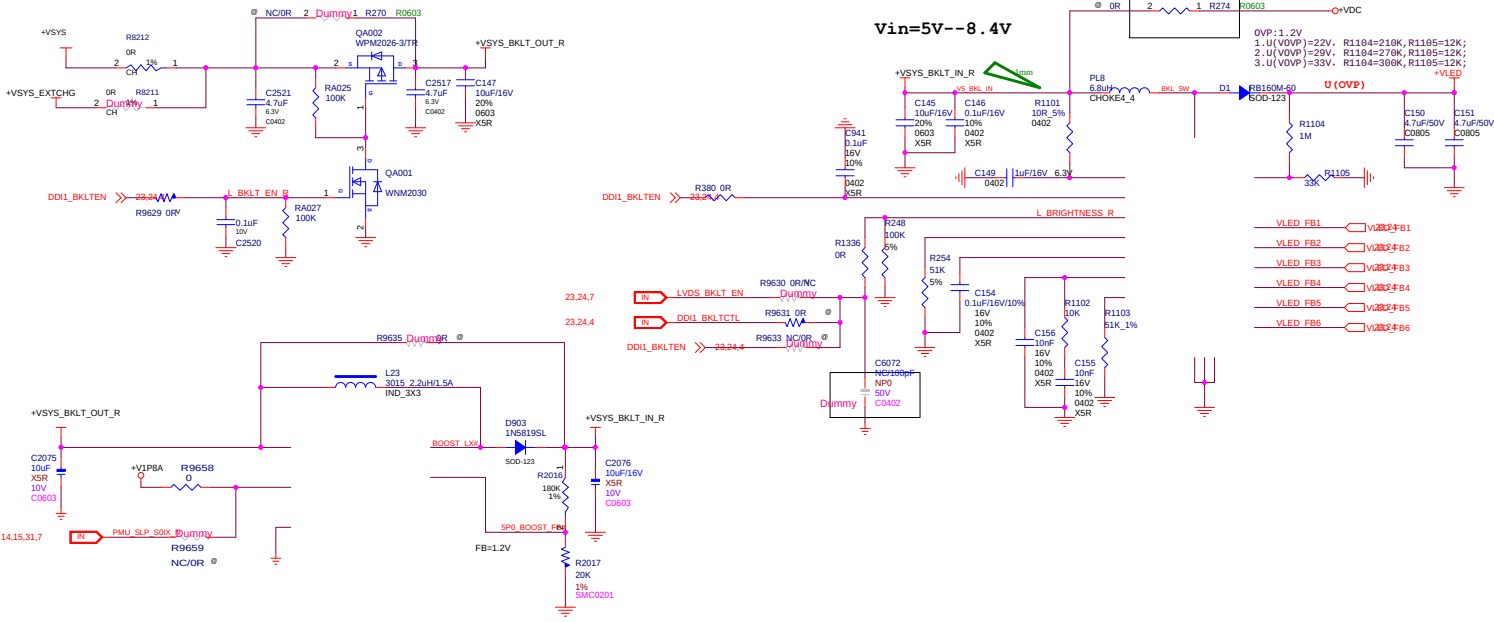


Title		
21_DISPLAY_LVDS BRIDGE		
Size A3	Document Number	Rev V1.0
Date:	Monday, August 24, 2015	Sheet 21 of 41



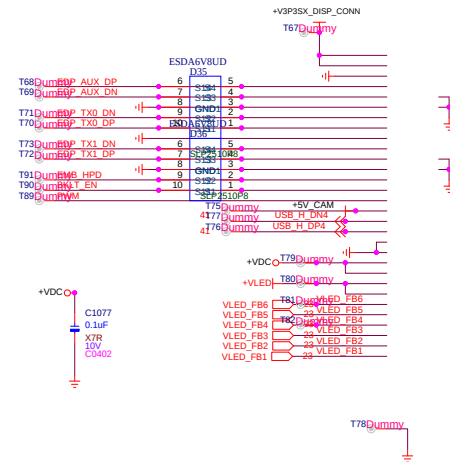
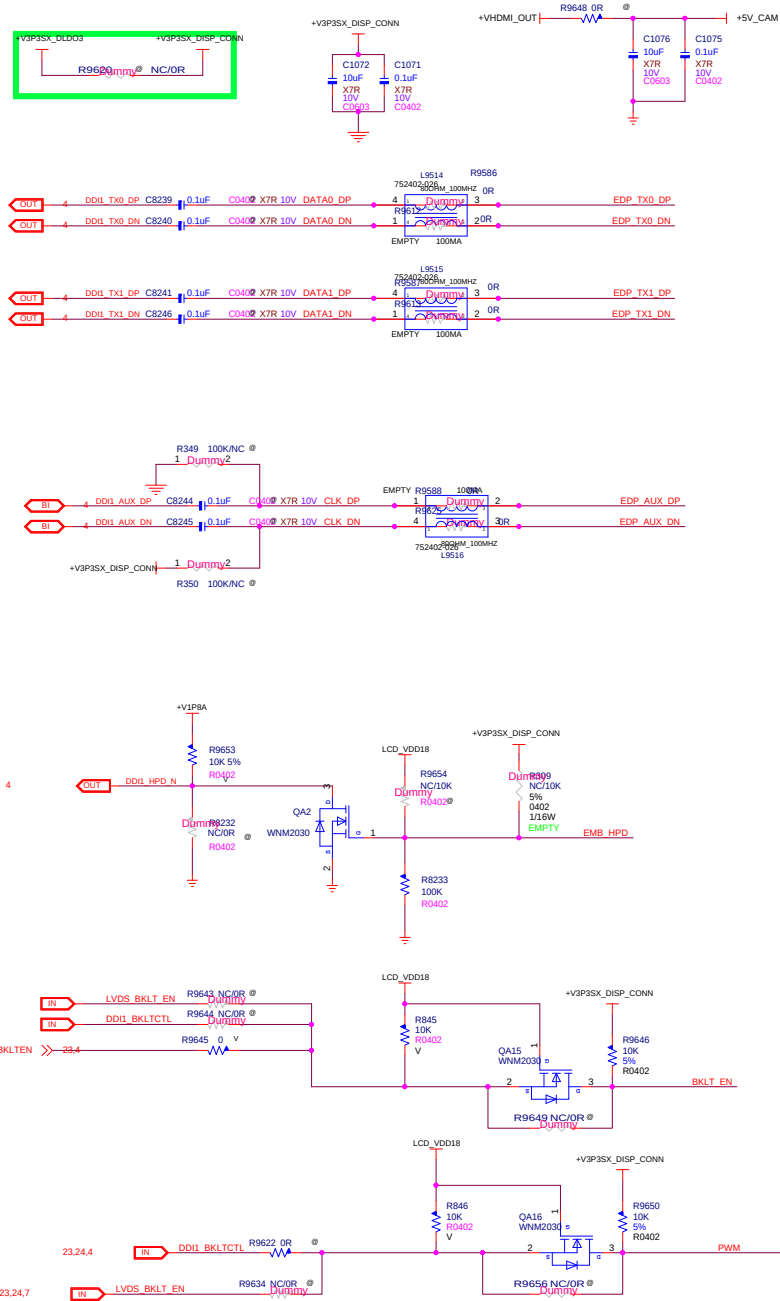
Title			
22_DISPLAY_ BIAS VOLTAGE REGULA			
Size	Document Number		Rev
Custom			V1.0
Date:	Monday, August 24, 2015	Sheet	22 of 41

DISPLAY: BACKLIGHT CONTROLLER



File		
23_DISPLAY_BACKLIGHT CONTROLLER		
Size	Document Number	Rev
Custom		V1.0
Date	Friday, September 25, 2016	Sheet 23 of 41

DISPLAY & TOUCH CONNECTORS



File		
24_DISPLAY & TOUCH CONNECTORS		
Doc	Document Number	Rev
C		V1.0
Date:	Friday, September 25, 2015	Sheet 24 of 41

IN I2C 2 SDA 1 R8000 Dummy 2 I2C 2 SDA S
0402 NC/OR 5% CH

BI I2C 2 SCL 1 R8001 Dummy 2 I2C 2 SCL S
0402 NC/OR 5% CH

[illegible]

The schematic diagram illustrates the electrical connections for the V1P8A module. Key components and connections include:

- I2C 2 SCL S:** A red line representing the I2C SCL signal line.
- I2C 2 SDA S:** A red line representing the I2C SDA signal line.
- V1P8A_GND:** A red line representing the ground connection for the V1P8A module.
- V1P8A_GND:** A red line representing the ground connection for the V1P8A module.
- C8003:** A 20% 6.3V XSR 0402 capacitor connected to the I2C SCL line.
- C8004:** A 20% 6.3V XSR 0402 capacitor connected to the I2C SDA line.
- C8005:** A 20% 6.3V XSR 0402 capacitor connected to the V1P8A_GND line.
- C8006:** A 20% 6.3V XSR 0402 capacitor connected to the V1P8A_GND line.
- ACCEL_INT:** A red line representing the ACCEL_INT signal line, connected to the IN pin of the V1P8A module.
- IN:** A red line representing the input signal to the V1P8A module.

GYRO

V1P8A_G

IN IN

GYRO_INT1

GYRO_INT2

I2C_2_SCL

I2C_2_SDA

V3P3A_G

C9608 10V

DUM12V

NC/0.1UF

XSR

0402

C9609 10V

V1P8A_G

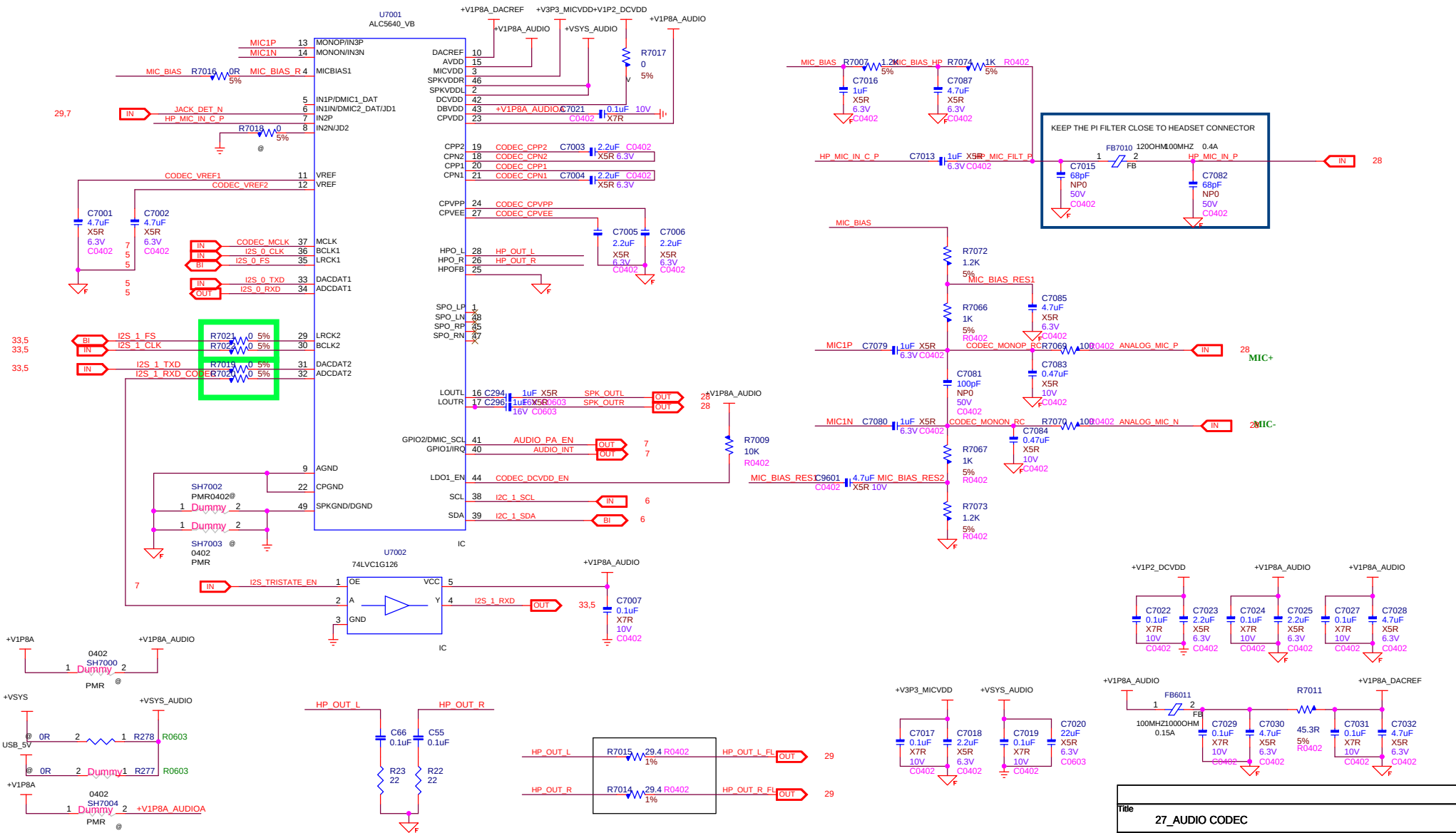
0402

XSR

I2C ADDRESS: 0X68

Title			
26_SENSORS			
Size	Document Number		Rev
Custom			V1.0
Date:	Friday, September 25, 2015	Sheet	26 of 40

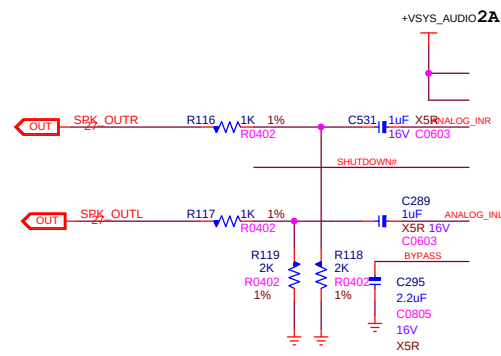
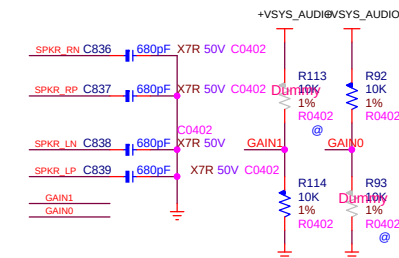
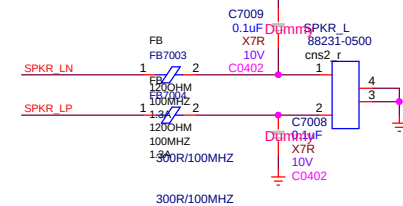
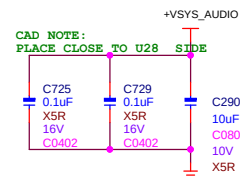
AUDIO CODEC



Title			
27_AUDIO CODEC			
Size	Document Number		Rev
Custom			V1.0
Date:	Monday, August 24, 2015	Sheet	27 of 41

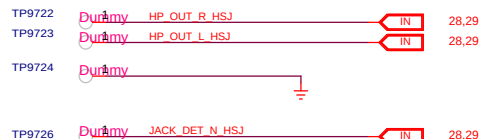
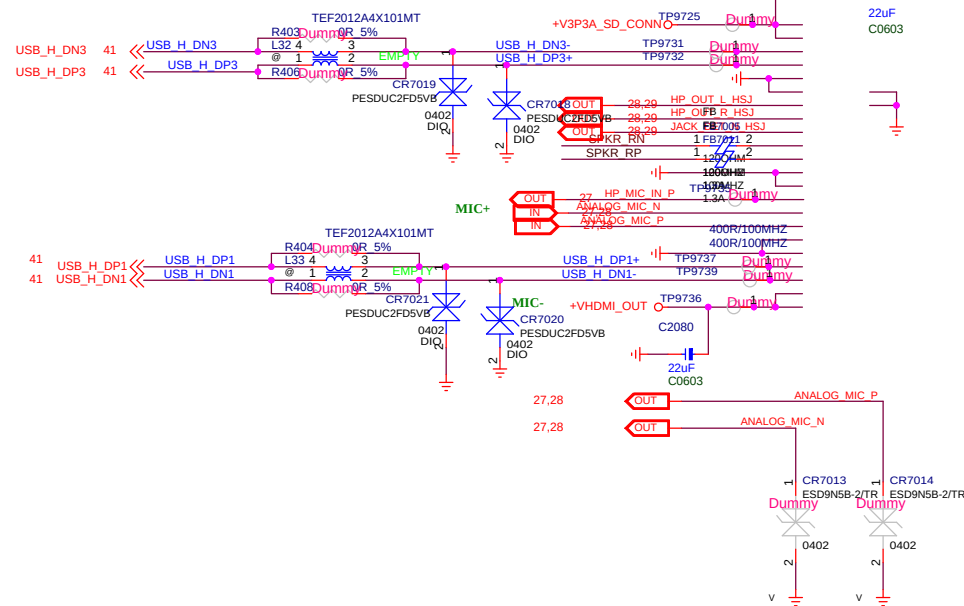
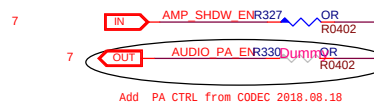
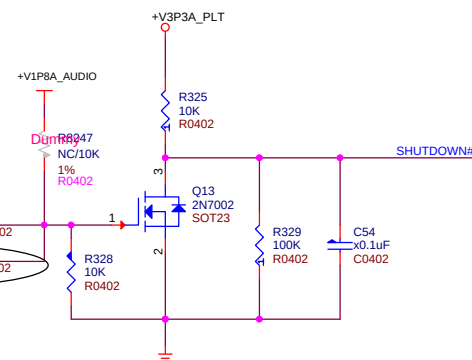
SPEAKERS

SPEAKER



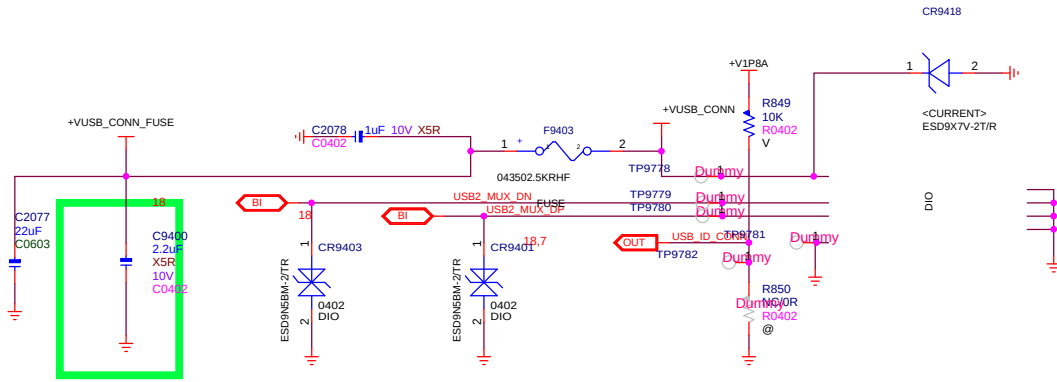
GAIN2	GAIN1	Av(inv)
0	0	11dB
0	1	14dB
1	0	19dB
1	1	25dB

condition is at 5v/4 ohm



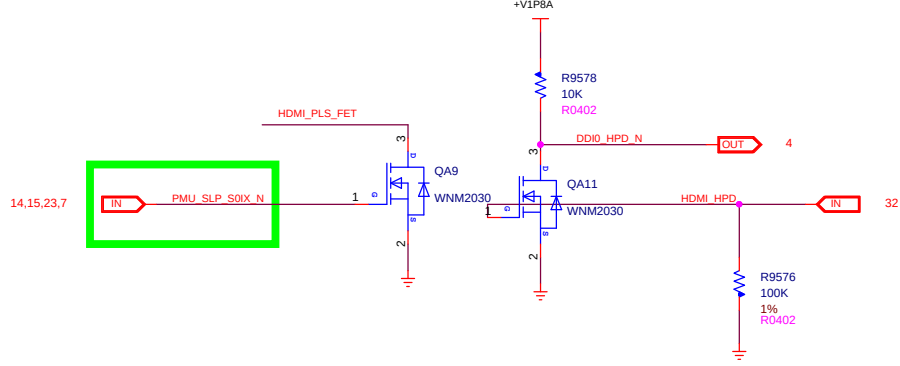
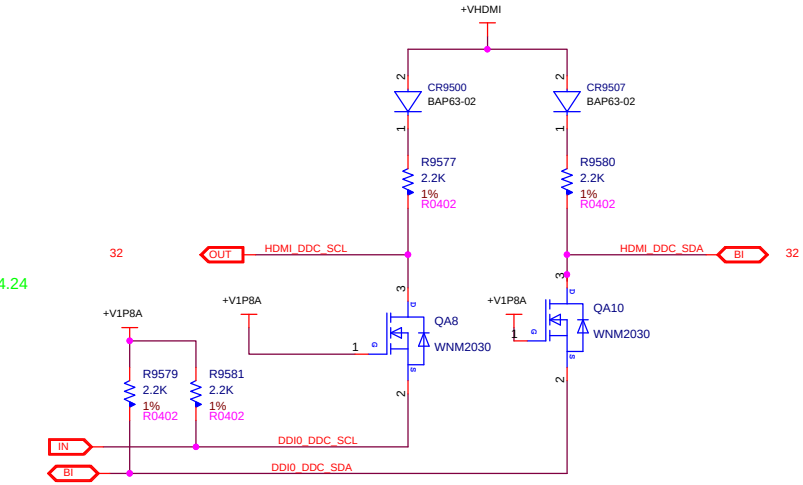
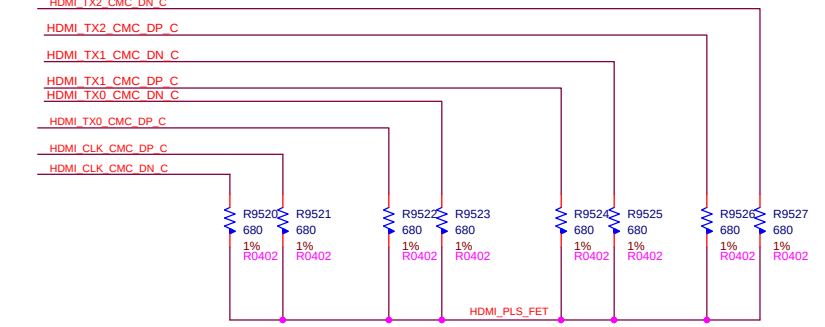
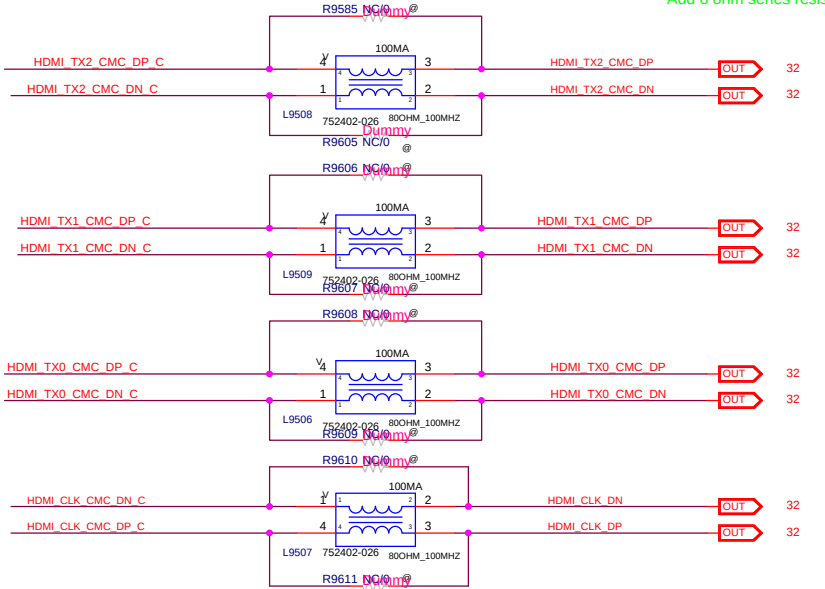
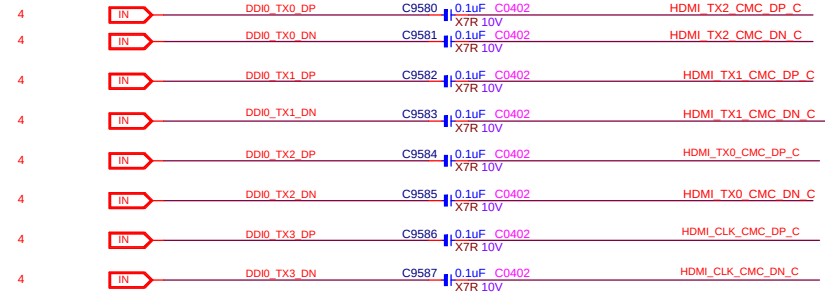
Title			
28_SPEAKERS			
Size	Document Number		Rev
Custom			V1
Date:	Friday, September 25, 2015	Sheet	28 of 41

USB CONNECTOR



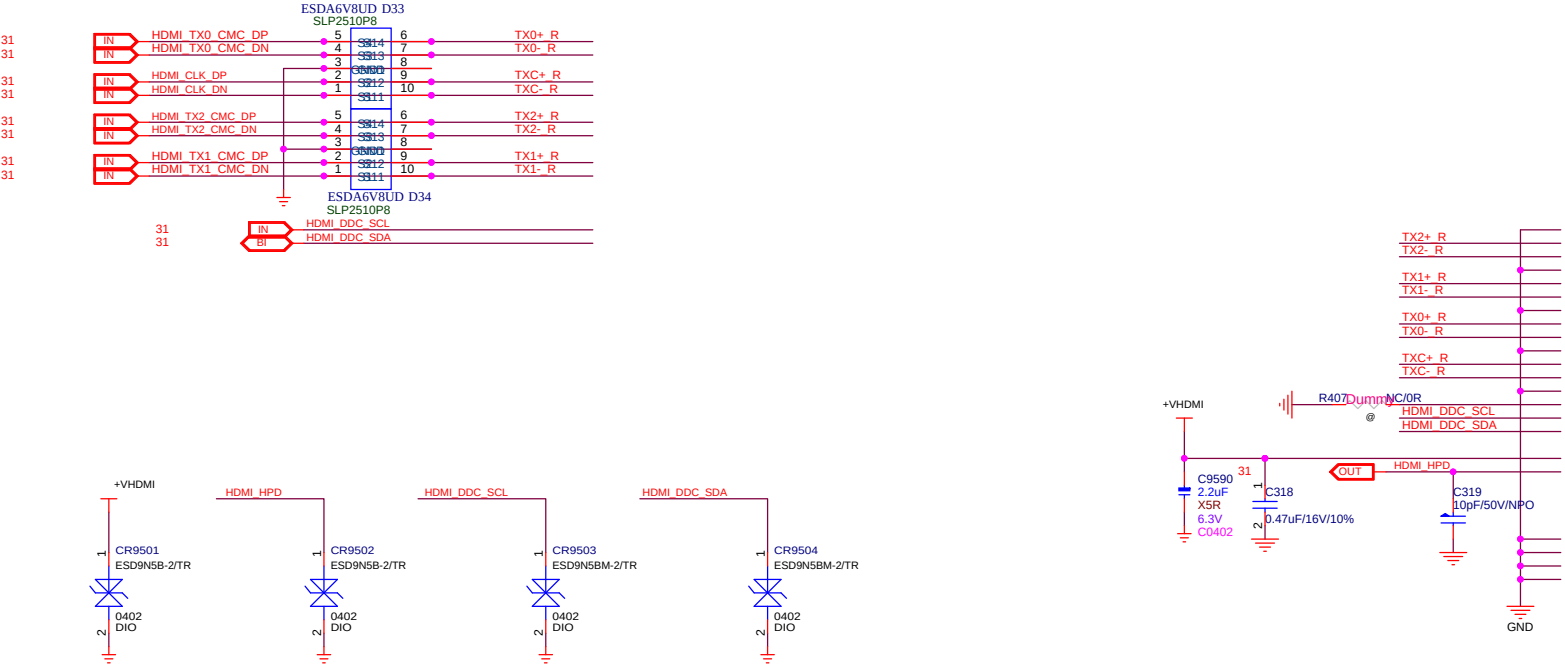
Title		
30_USB CONNECTOR		
Size	Document Number	Rev
Custom		V1.0
Date:	Friday, September 25, 2015	Sheet 30 of 41

HDMI LEVEL SHIFTERS & CONNECTOR



Title		
31_HDMI LEVEL SHIFTERS		
Size	Document Number	Rev
Custom		V1.0
Date:	Monday, August 24, 2015	Sheet 31 of 41

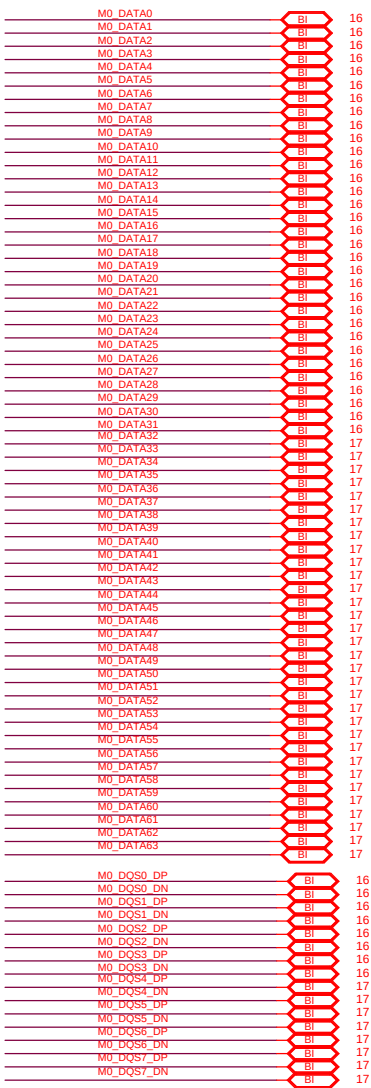
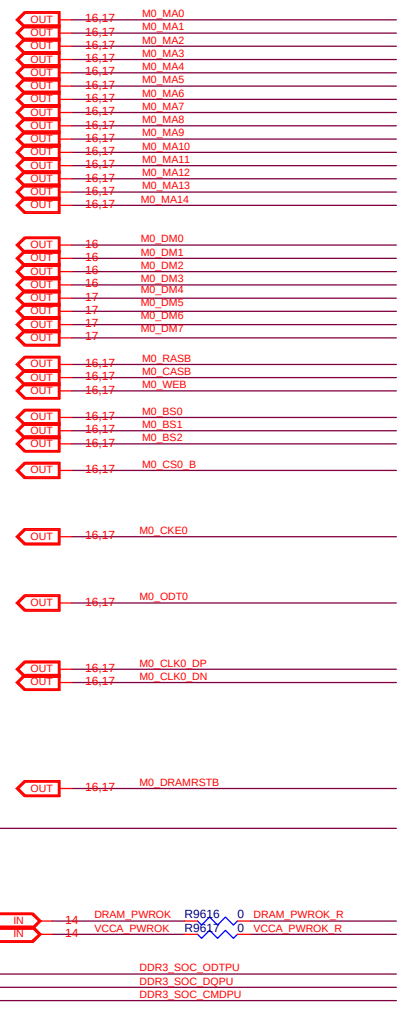
HDMI CONNECTOR



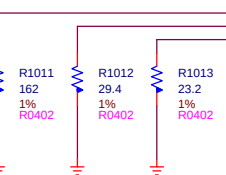
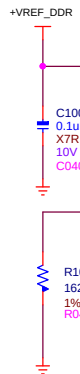
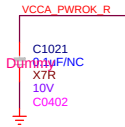
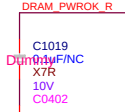
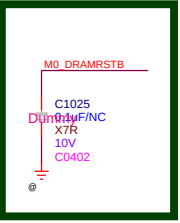
Title			
32_HDMI CONNECTOR			
Size	Document Number		Rev
Custom			V1.0
Date:	Friday, September 25, 2015	Sheet	32 of 41

SOC: MEMORY

IPN:H28446-001

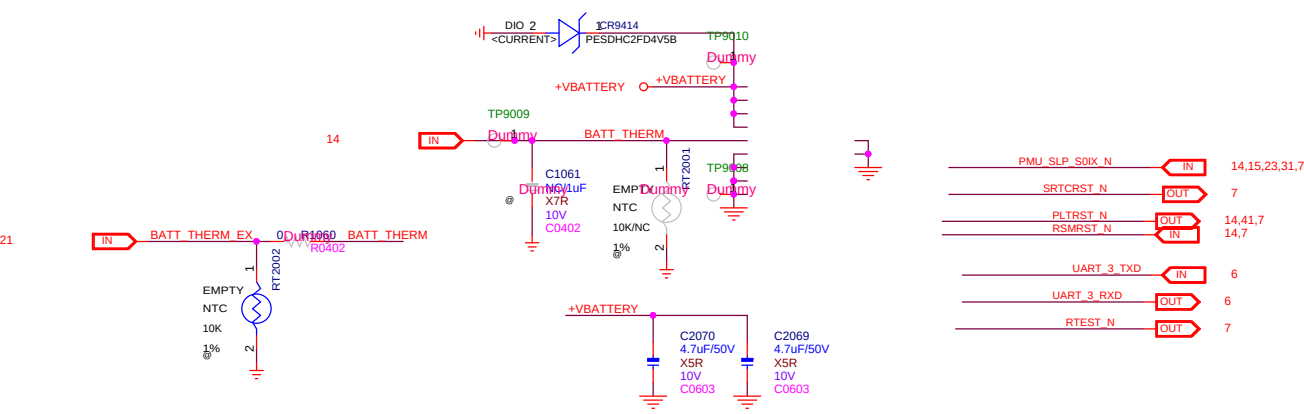


2015.7.2



Title		
03_SOC_MEMORY		
Size	Document Number	Rev
Custom		V1.0
Date:	Friday, September 25, 2015	Sheet 3 of 41

BATTERY & DEBUG CONNECTOR

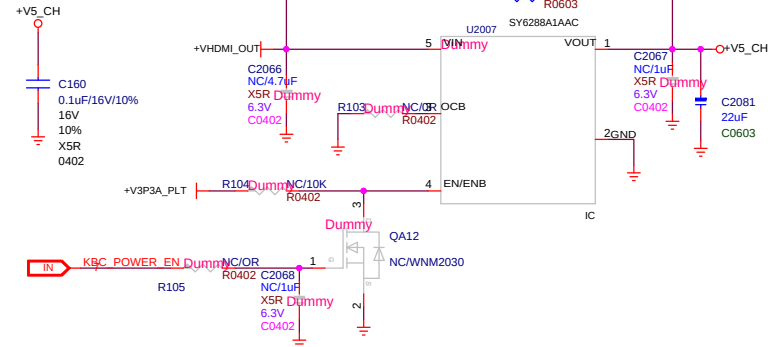
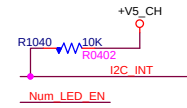
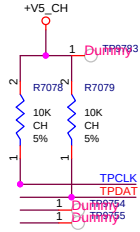
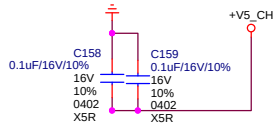
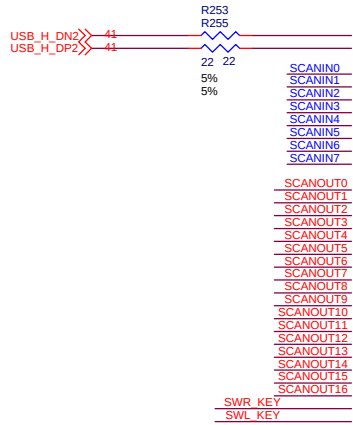


PMU_SLP_S0IX_N	IN	14,15,23,31,7
SRTRST_N	OUT	7
PLTRST_N	OUT	14,41,7
RSMRST_N	IN	14,7
UART_3_TXD	IN	6
UART_3_RXD	OUT	6
RTEST_N	OUT	7

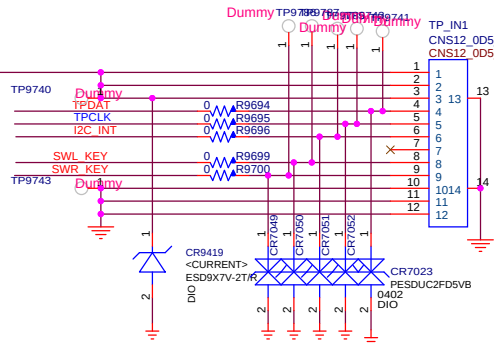
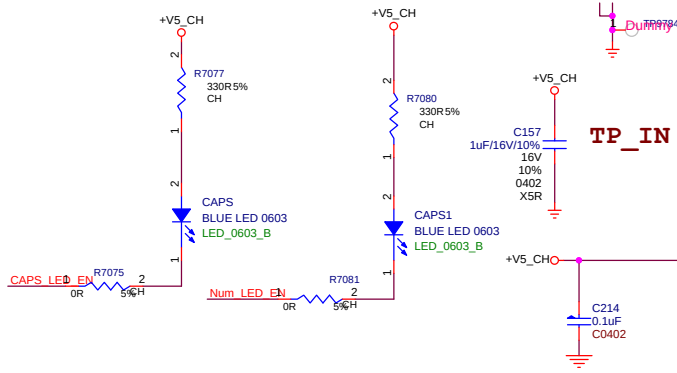
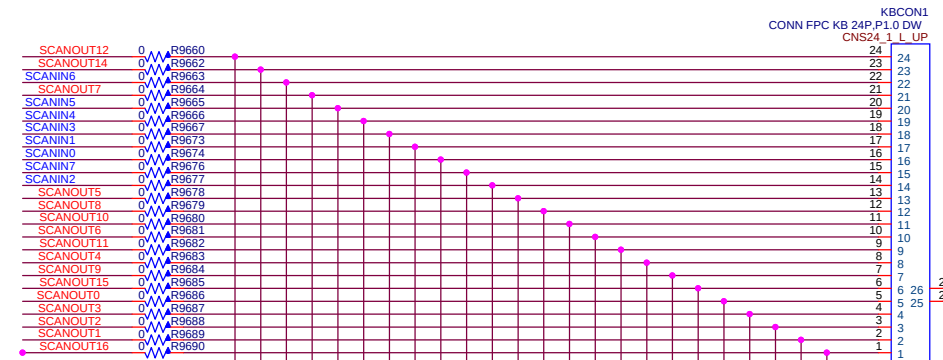
Title			
36_BATTERY & DEBUG CONNECTOR			
Size	Document Number		
Custom			
Date:	Friday, September 25, 2015	Sheet	34 of 41
Rev V1.0			

KBC/TOUCH

2015.7.2



11.6"KB

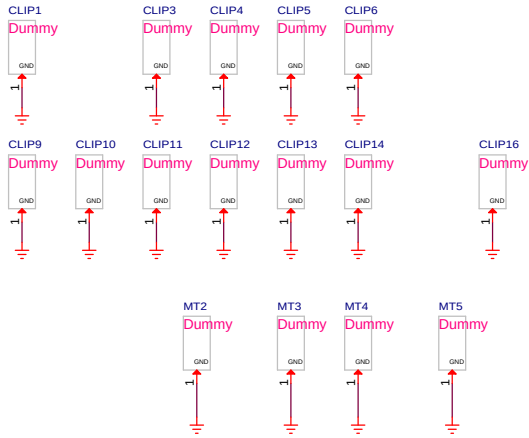
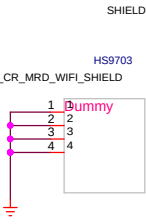
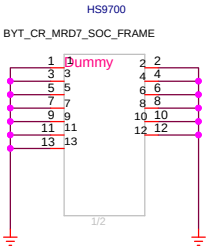


Title			
35_KBC/TOUCH			
Size	Document Number		Rev
Custom			V1.0
Date:	Friday, September 25, 2015	Sheet	35 of 41

LED+

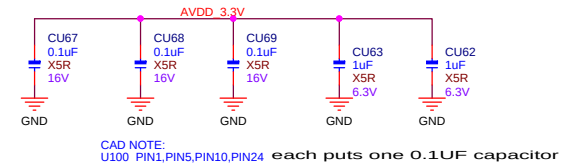
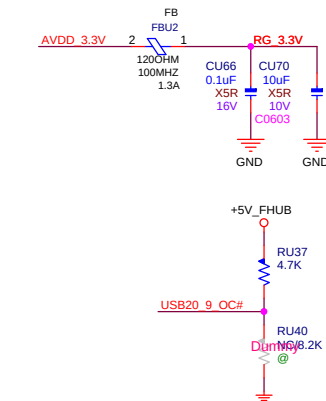
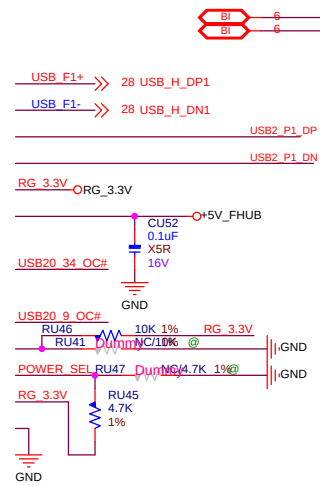
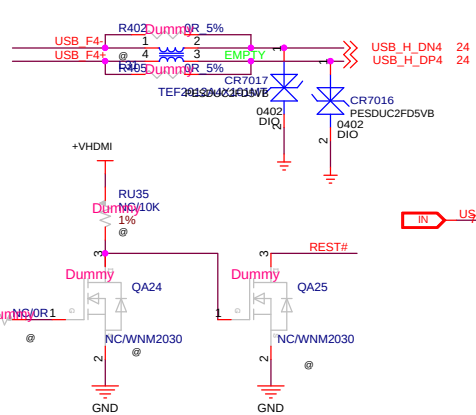
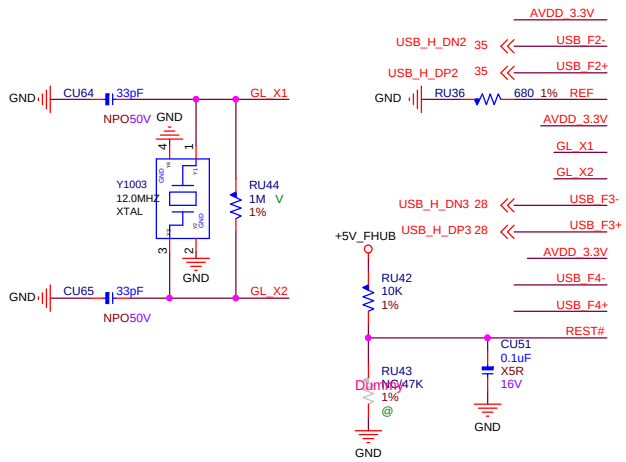
MFG TEST POINTS, SHIELDS & MOUNTING HOLES

TPS SHOULD BE PLACED CLOSE TO DEBUG CONNECTOR



Title		
36_MFG TEST POINTS, SHIELDS & M		
Size	Document Number	Rev
Custom		V1.0
Date:	Monday, August 24, 2015	Sheet 36 of 41

HUB



Title			
41_HUB			
Size	Document Number		Rev
Custom			V1.0
Date:	Friday, September 25, 2015	Sheet	41 of 41

LED+