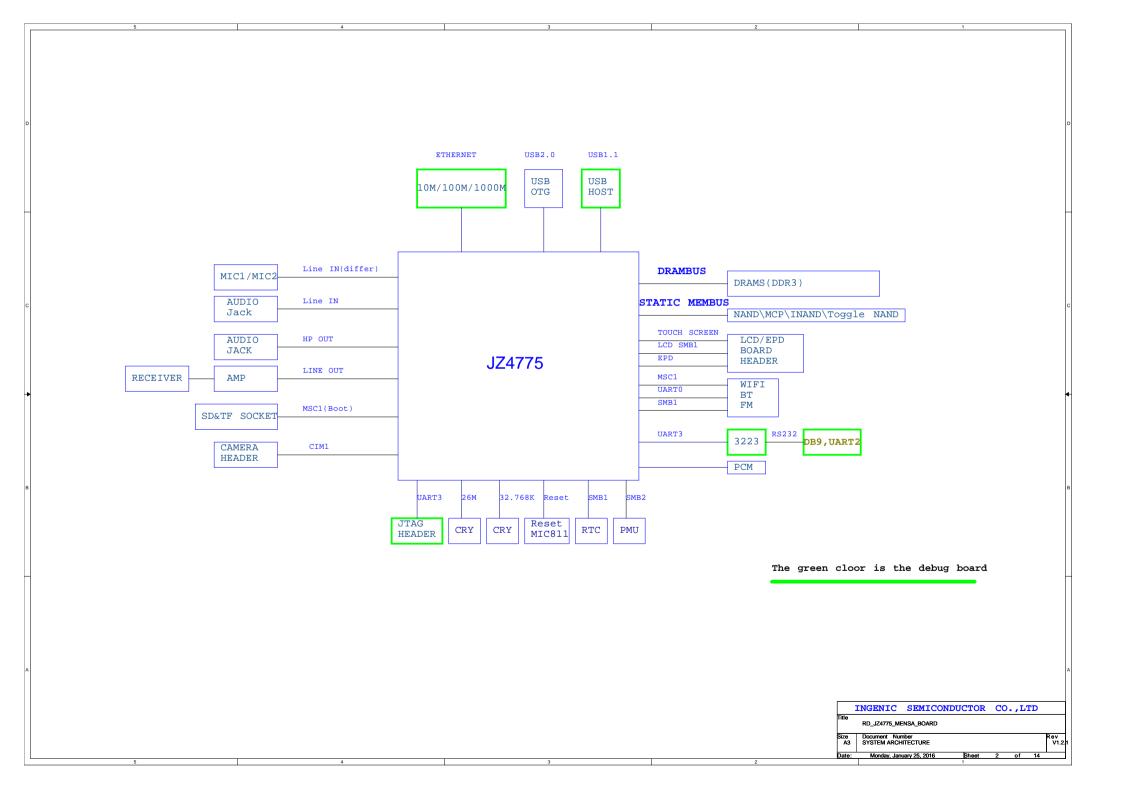
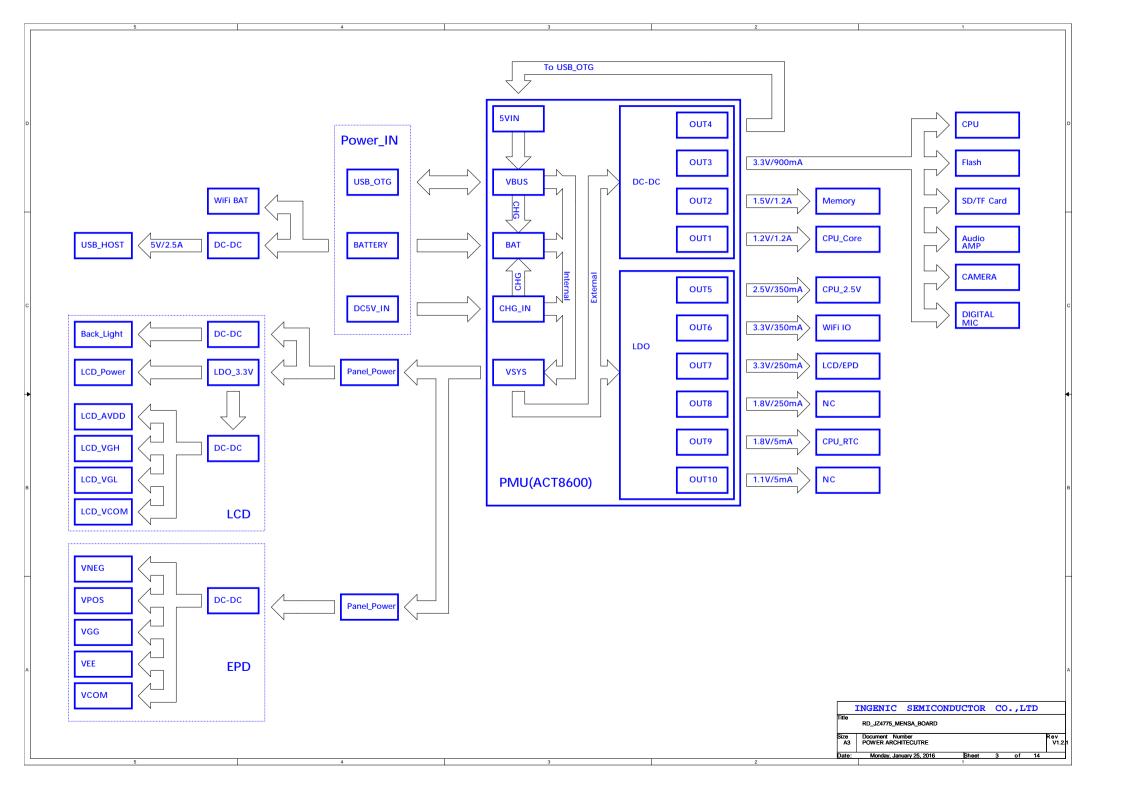


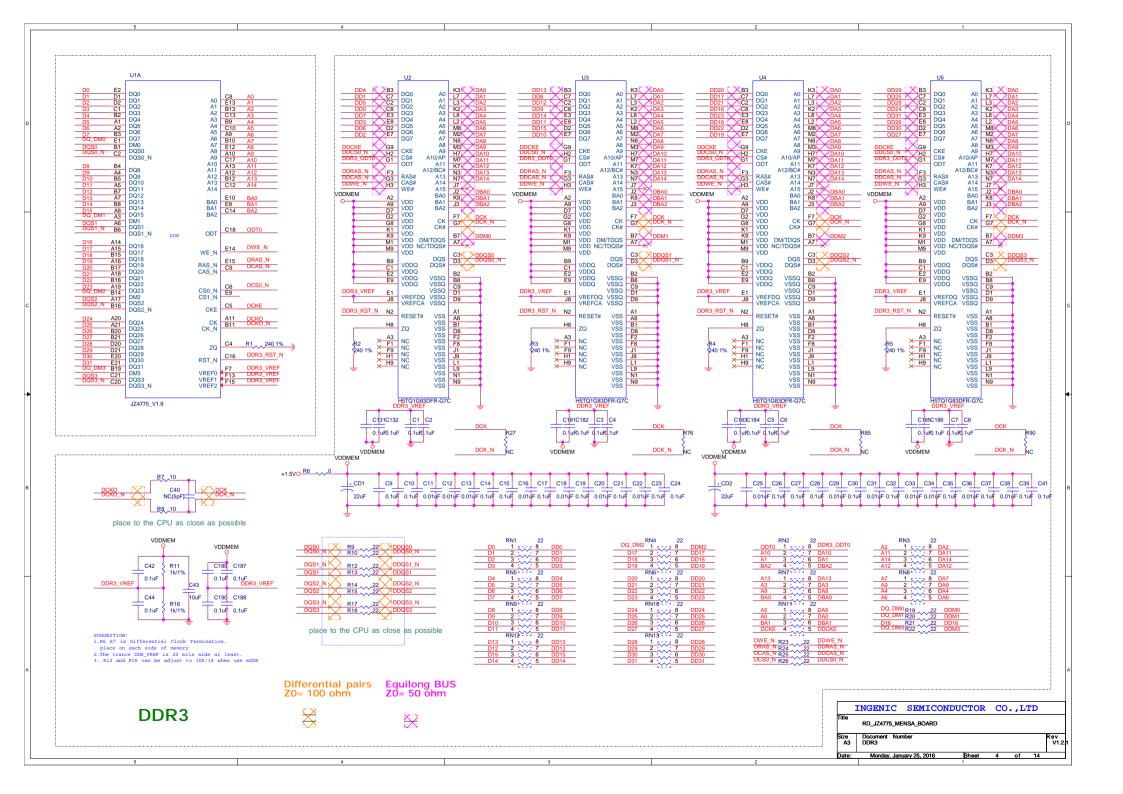
## RD\_JZ4775\_MENSA\_BOARD Schematic Revision 1.2.1

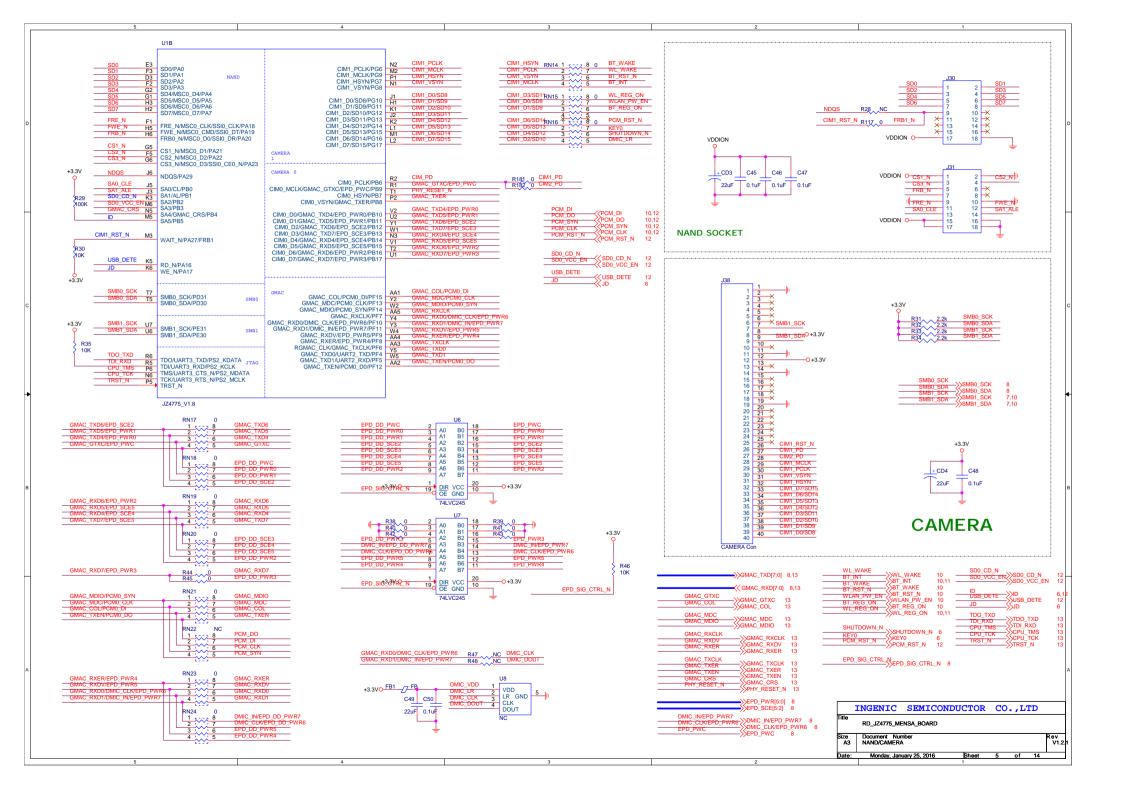
Title	Page
COVER SHEET	1
SYSTEM ARCHITECTURE	2
POWER ARCHITECURE	3
DDR3	4
Nand/Camera	5
AUDIO/KEY	6
RTC	7
LCD/EPD	8
PMU	9
IW8101/IW8103	10
IW8103B/MT5931	11
USB OTG/SD CARD/PCM	12
DEBUG	13
HISTORY	14

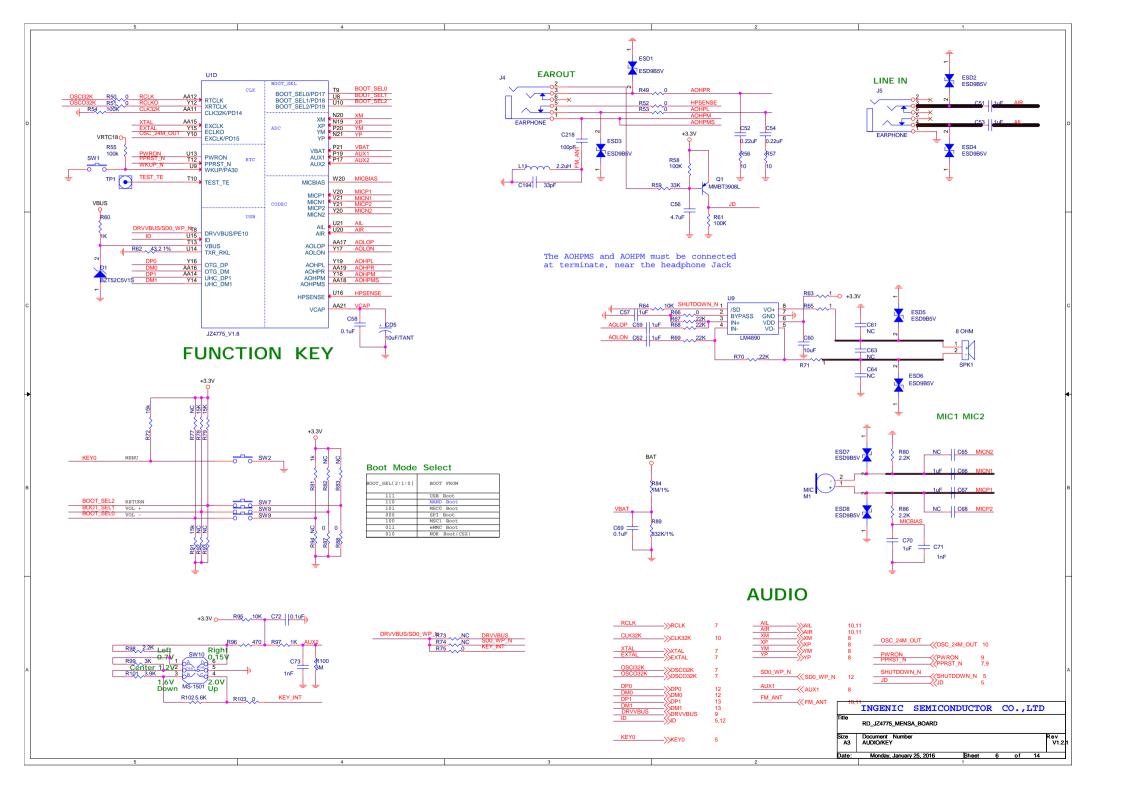
	INGENIC	SEMICONI	OUCTOR	CO.	,LT	D	
Title	RD_JZ4775_M	ENSA_BOARD					
Size A3	Document Nu COVER	mber					Rev V1.2.
Date:	Monday, Jar	nuary 25, 2016	Sheet	1	of	14	

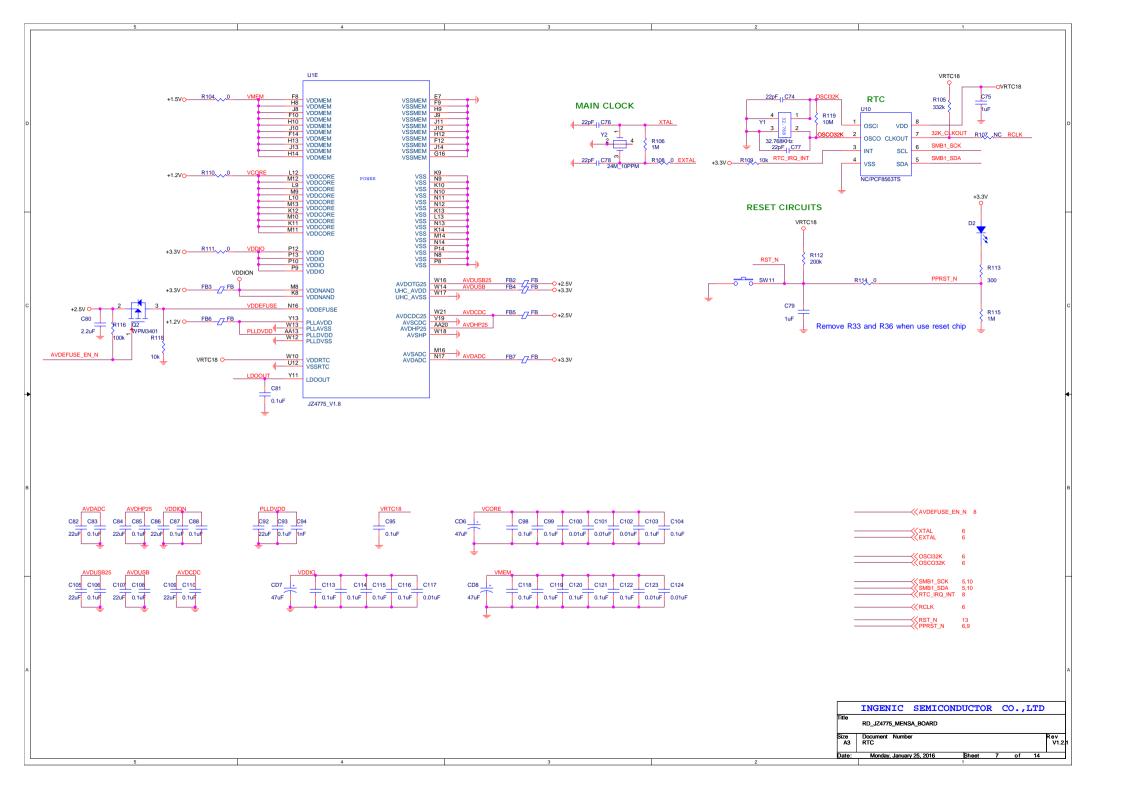


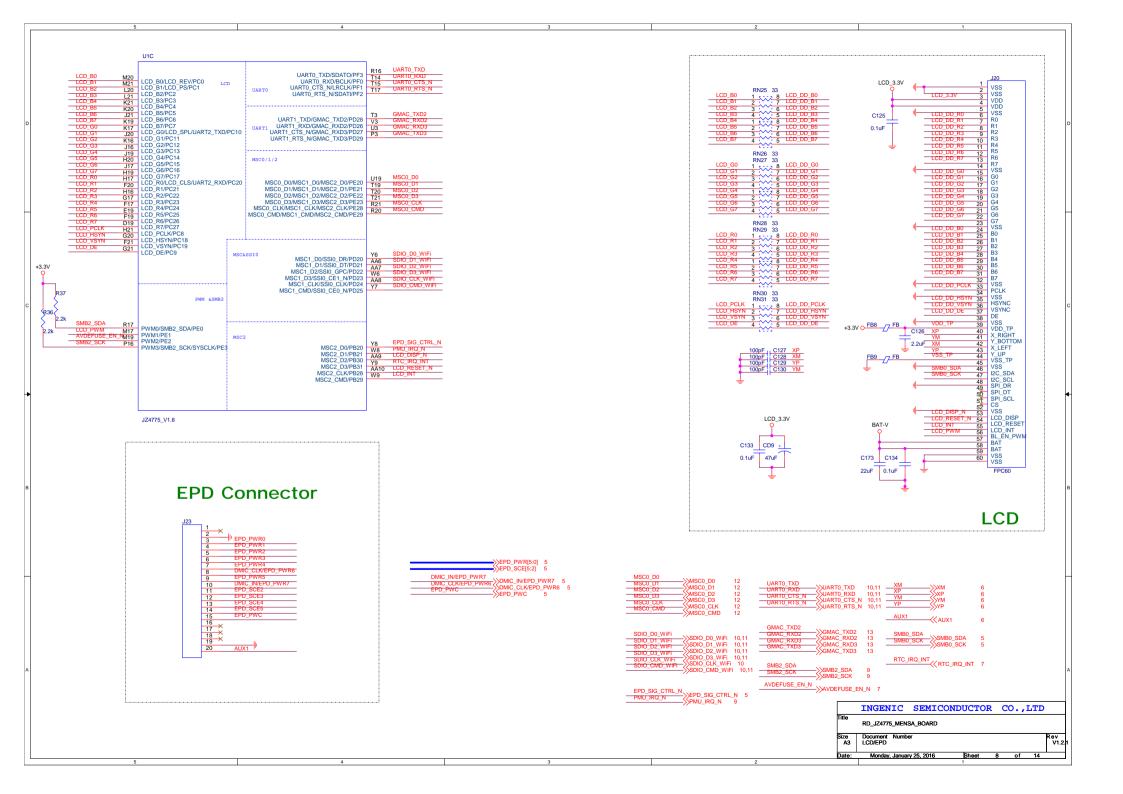


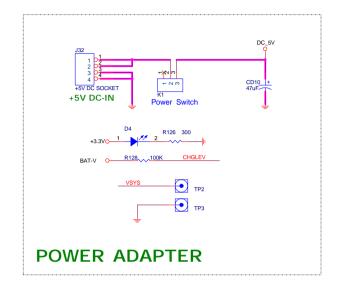




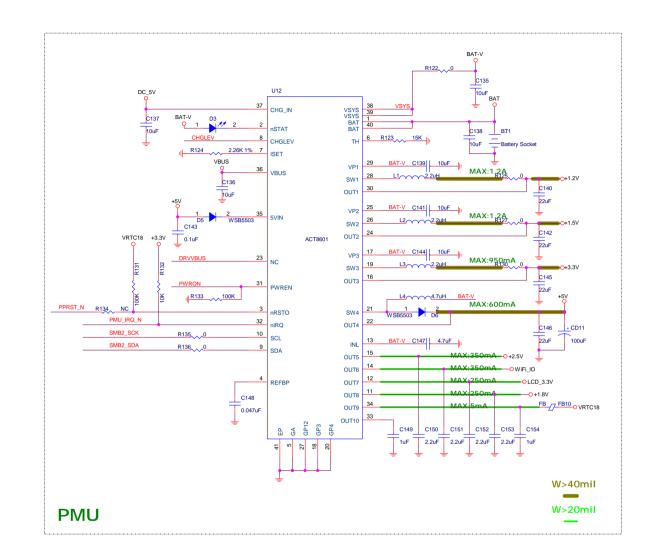


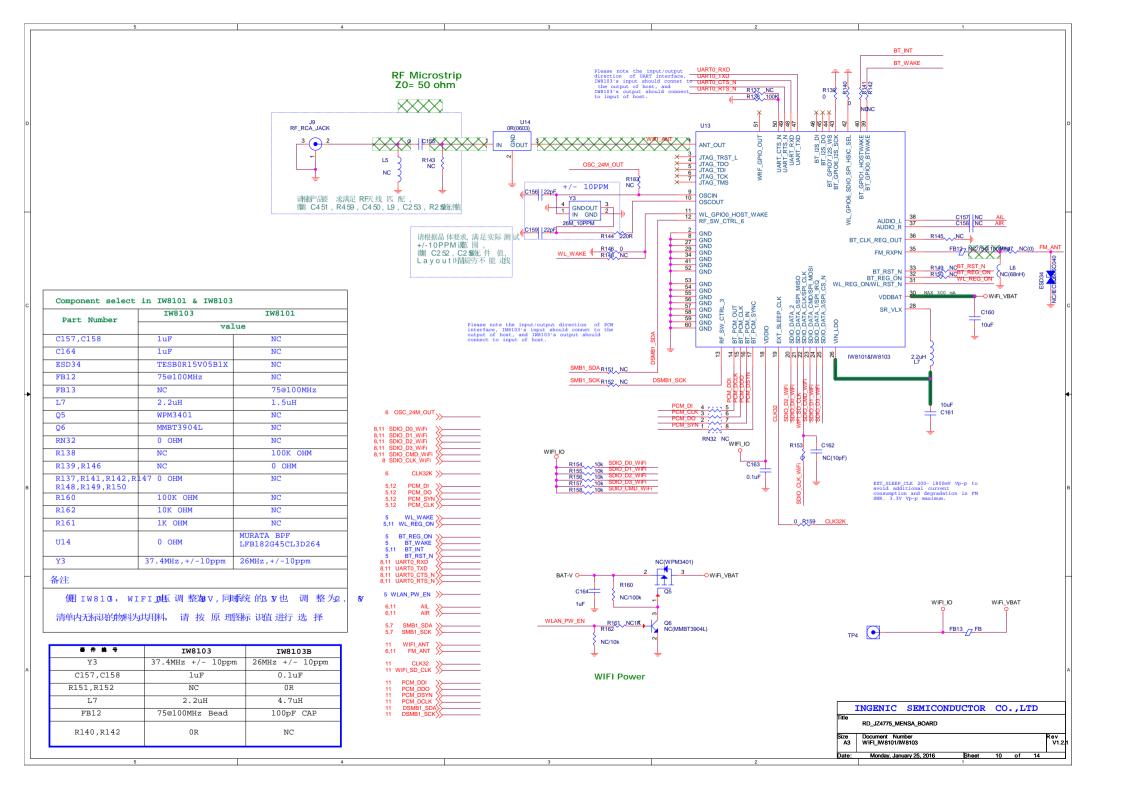


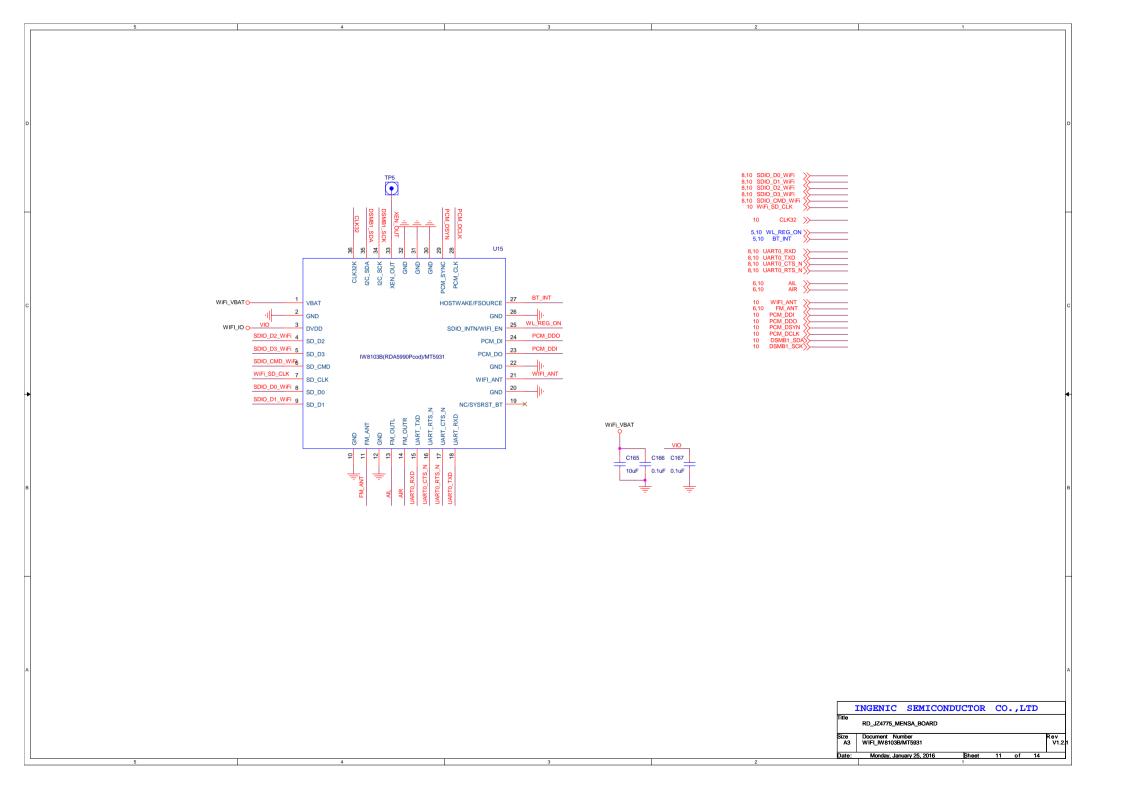


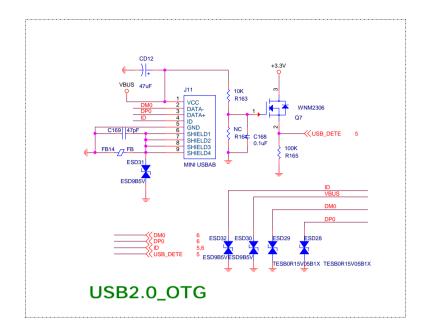


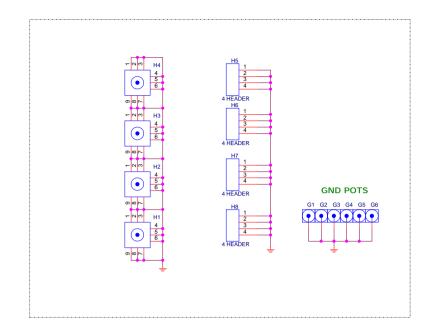


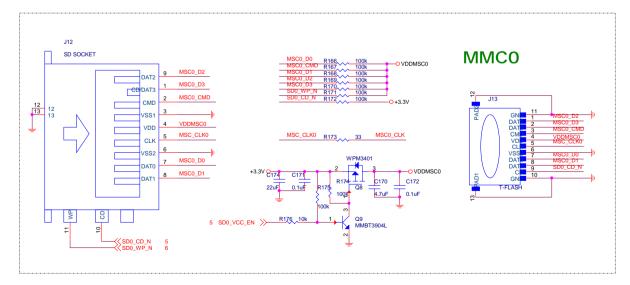


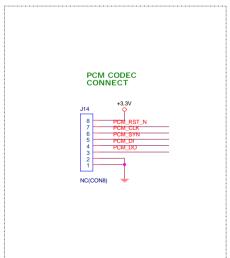








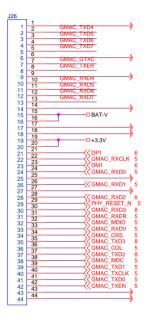




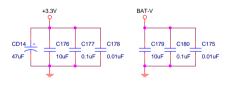
PCM_DI PCM_DO PCM_SYN PCM_CLK PCM_RST_N	CPCM_DI CPCM_DO CPCM_SYN CPCM_CLK CPCM_RST_N	5,10 5,10 5,10 5,10 5,10 5
MSC0_D0 MSC0_D1 MSC0_D2 MSC0_D3 MSC0_CLK MSC0_CMD SD0_CD_N SD0_WP_N SD0_VCC_EN	MSC0_D0  MSC0_D1  MSC0_D2  MSC0_D2  MSC0_CLK  MSC0_CMD  SD0_CD_N  SD0_VCC_EN	8 8 8 8 8 8 8 5 6 5

	INGENIC	SEMICON	DUCTOR	CO	.,L	ľD	
Title	RD_JZ4775_MI	ENSA_BOARD					
Size A3	Document Nur USB OTG/SD C						Rev V1.
Date:	Monday, Jan	uary 25, 2016	Sheet	12	of	14	

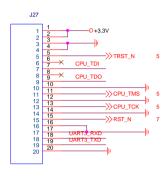
## **Ethernet & USB Con**



Ethernet & USB Con



## JDI & Uart Con



TDO_TXD	R177 0 R178 0	UART3_TXD
	R178 0	CPU_TDO
TDI_RXD	R179 0 R180 0	UART3_RXD CPU_TDI



	→>>GMAC_TXD[7:0] 5,8
GMAC GTXC	√⟨GMAC_RXD[7:0] 5,8
GMAC_COL	——————————————————————————————————————
GMAC_MDIO	——————————————————————————————————————
GMAC_RXCLK GMAC_RXDV GMAC_RXER	SGMAC_RXCLK 5 SGMAC_RXDV 5 SGMAC_RXER 5

GMAC\_TXCLK GMAC\_TXER GMAC\_TXEN GMAC\_CRS

	INGENIC	SEMICON	DUCTOR	CO	.,L	ľD	
Title	RD_JZ4775_M	IENSA_BOARD					
Size A3	Document No DEBUG	umber					Rev V1.2.
	Monday, Ja	nuary 25, 2016	Sheet	13	of	14	

Data	Revision	Change
------	----------	--------

Rev1.0	1. First Revision
Rev1.0.1	1. PAGE06: Change the Package of D1 2. PAGE06: R82 change to NC&R87 change to 0R 3. PAGE07: The power of AVDADC connect to +3.3V 4. PAGE07: Add R119 for 32.768k crystal 5. PAGE07: NC the reset IC of U11 6. PAGE10: Q6 change to NC 7. Change the power of VRTC from VRTC33 TO VRTC18 for save power 8. Change out1 of PMU to +1.2V 9. Connect the J12.12&J12.13 to GND
	<ul> <li>10. Change the package of U1</li> <li>11. PAGE12: NC R175</li> <li>12. PAGE07: The power of the pull-up resistor R109 should +3.0 V power domain</li> <li>13. PAGE09: Change the R134 to NC</li> <li>14. PAGE05: Exchange the net of DMIC_CLK/EPD_PWR6 &amp; DMIC_IN/EPD_PWR7</li> <li>15. PAGE07: Connect the net of PLLAVDD and PLLDVDD</li> <li>15. PAGE04: Add the resistor of R27,R76,R85,R90</li> </ul>
Rev1.2	PAGE05: Add R117 for double cs of NAND     PAGE12: Add R175 for boot from SD card
Rev1.2.1	1. PAGE09: Change U12 from ACT8600 to ACT8601.
	Rev1.0.1

	INGENIC	SEMICONI	UCTOR	CO	.,L	ľD	
Title	RD_JZ4775_MI	NSA_BOARD					
Size A3	Document Nur REVISION HIST						Rev V1.2.