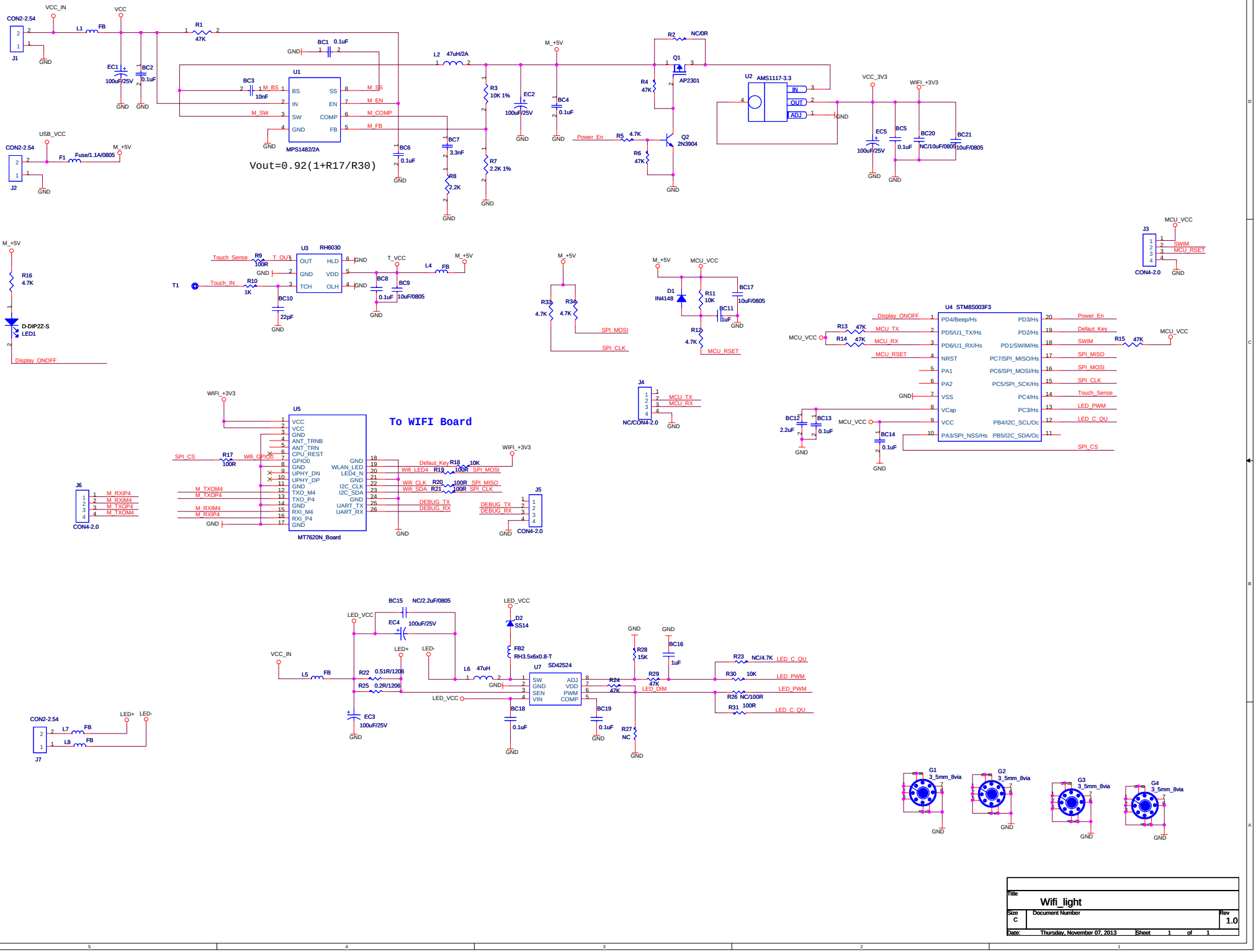

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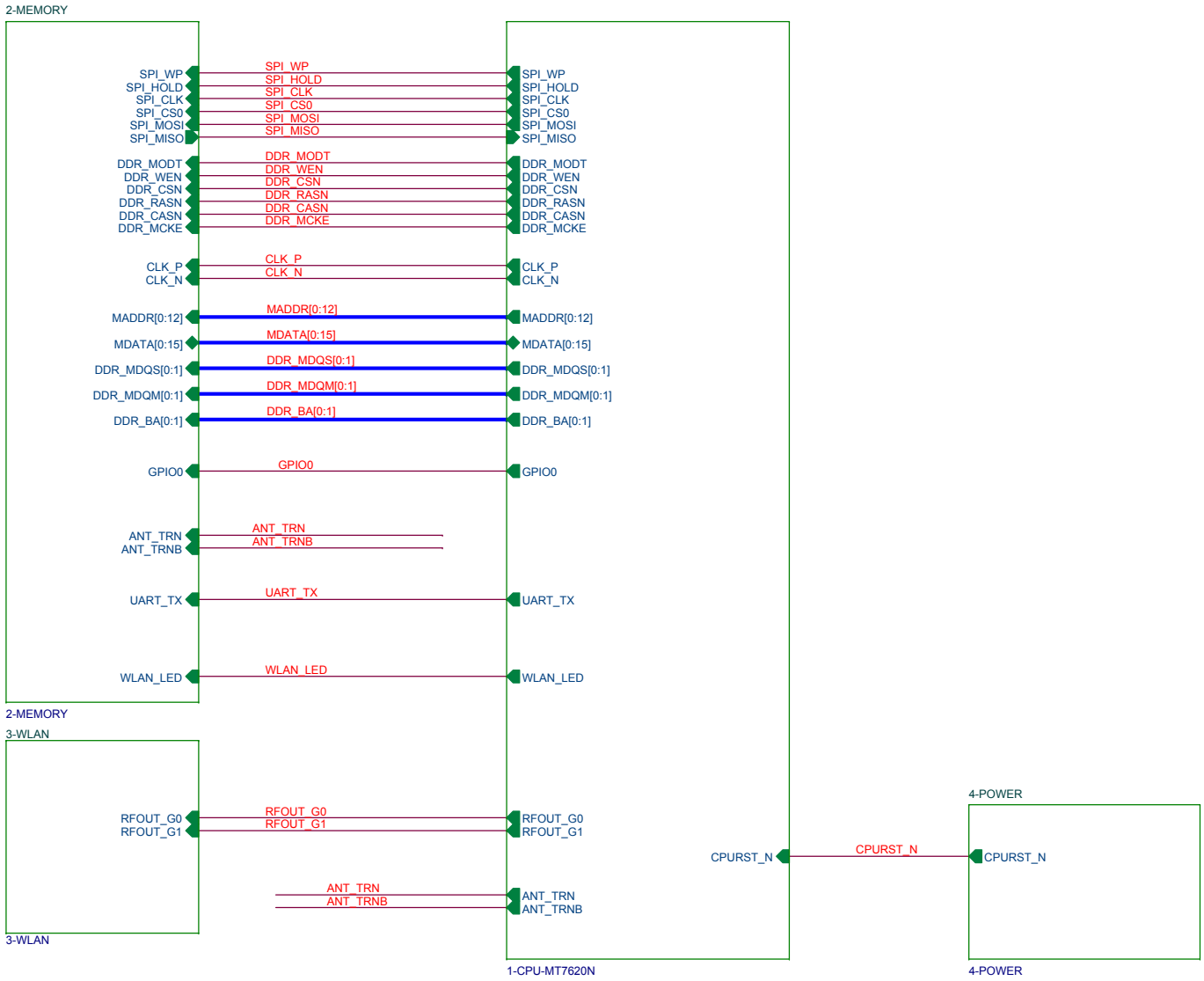
Size C	Document Number		Rev 1.0
Date: Thursday, November 07, 2013	Sheet 1 of 1		



Filename:
MOD-MT7620N-V33-SPI-DDR2-4L-2X2-130308.DSN

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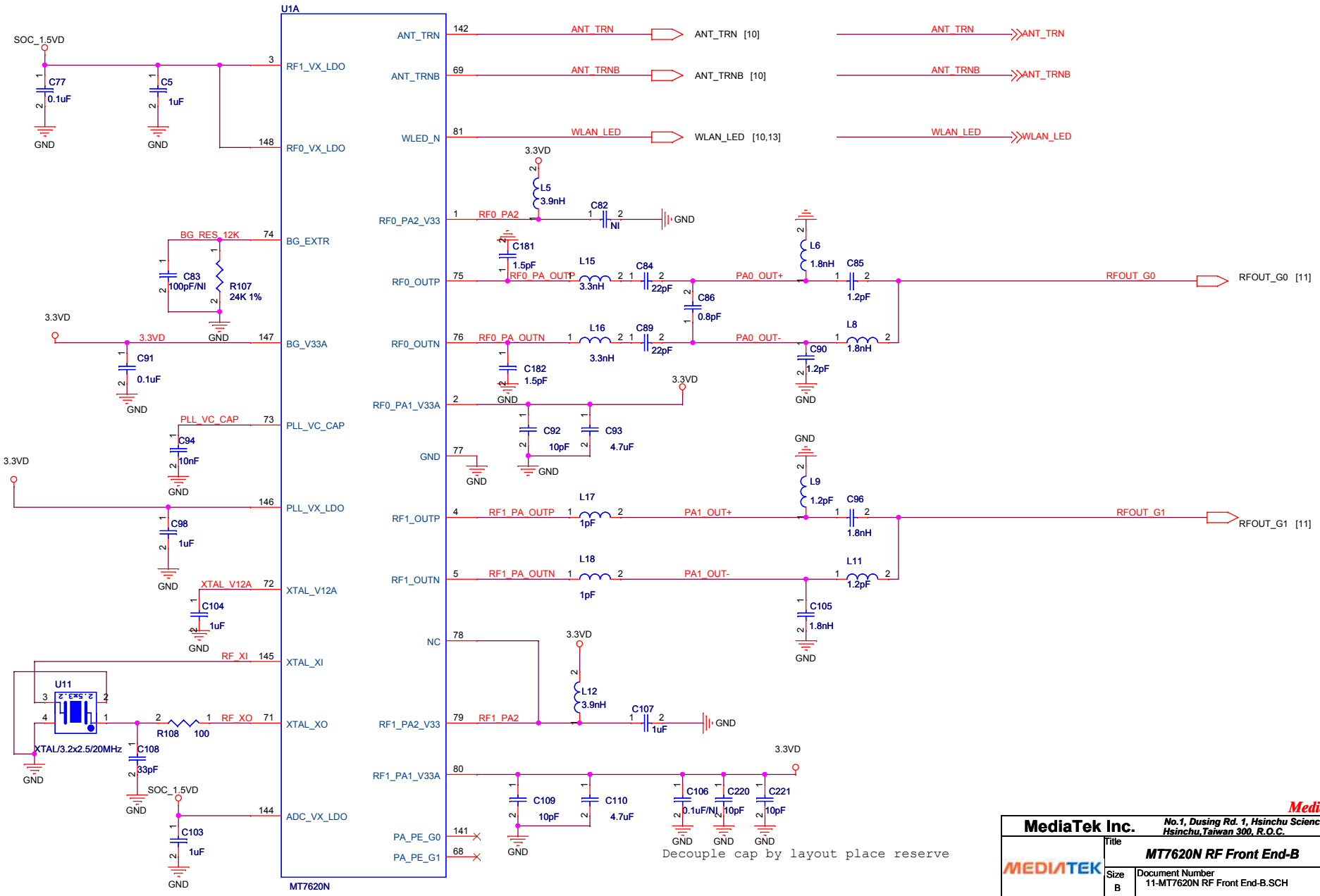
MEDIATEK	Title: 11n 2.4G AP-MT7620N		
Size: B	Document Number: 11n 2.4G AP-MT7620N.SCH	Drawn: Jordan	Rev: 3.3
Date: Friday, March 08, 2013	Sheet 1 of 14		



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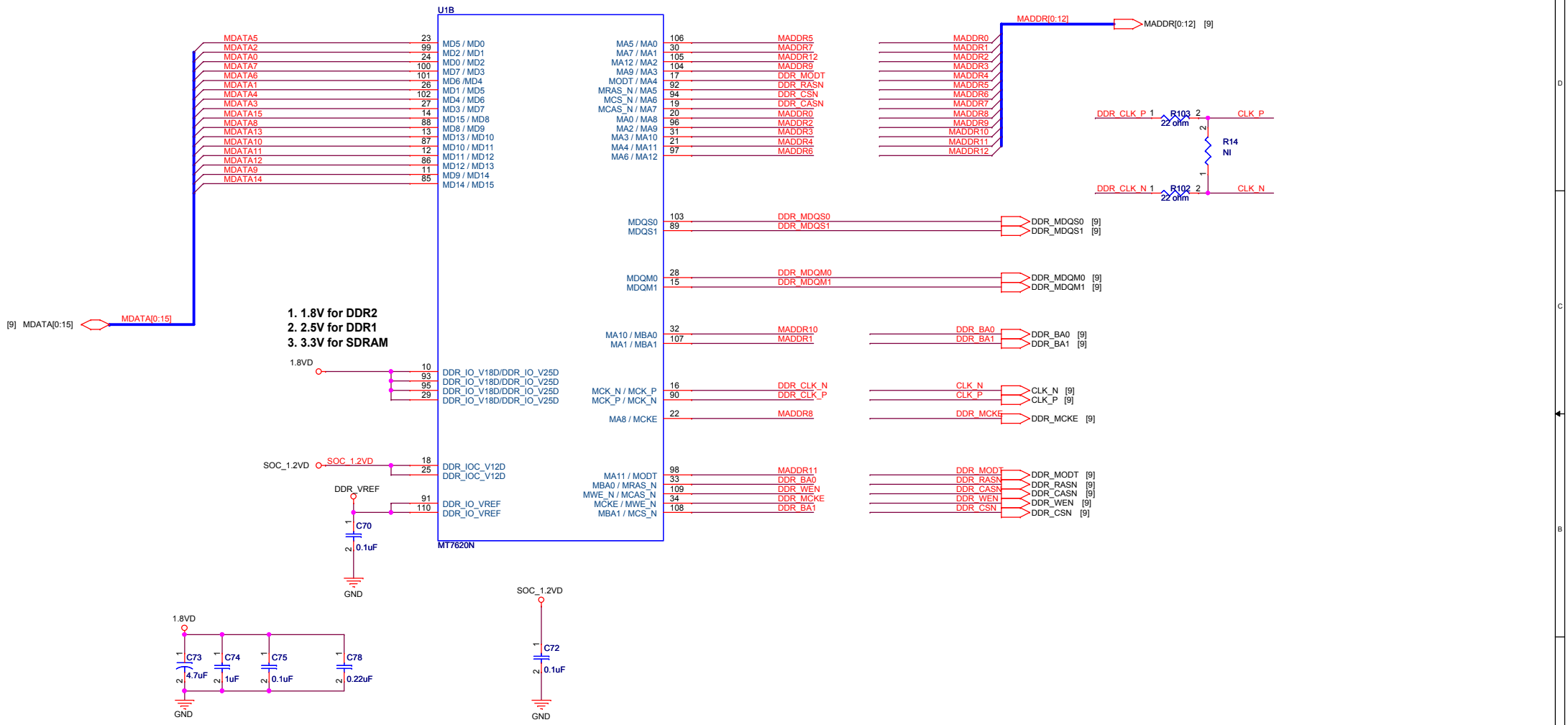
MEDIATEK	Title: MT7620N RF Front End-B		
Size: B	Document Number: 11-MT7620N RF Front End-B.SCH	Drawn: Jordan	Rev: 3.3
Date: Friday, March 08, 2013	Sheet 2 of 14		



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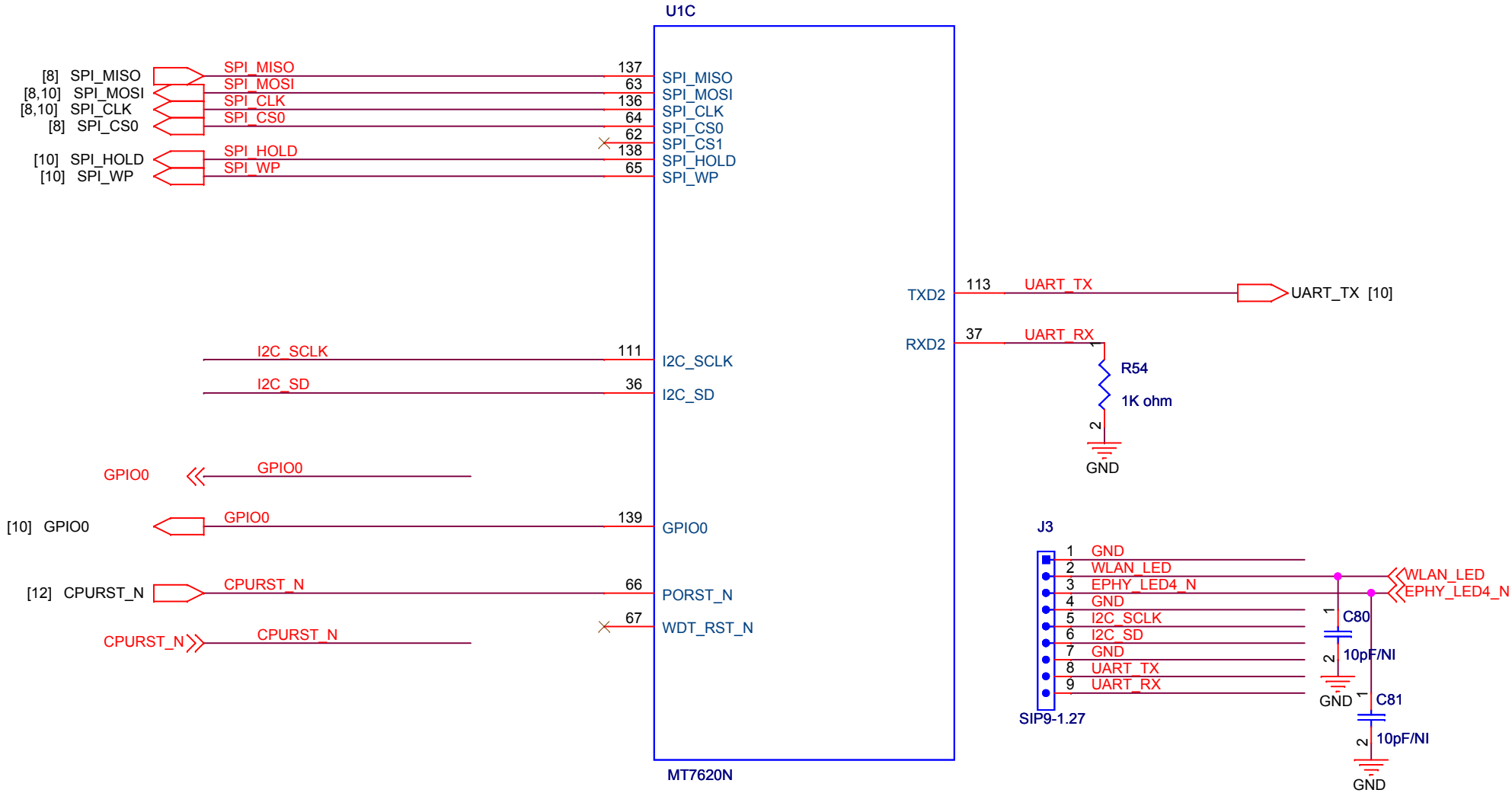
Title: MT7620N SDRAM I/F-C			
Size: Custom	Document Number: 12-MT7620N SDRAM I/F-C.SCH	Drawn: Jordan	Rev: 3.3
Date: Friday, March 08, 2013	Sheet 3 of 14		



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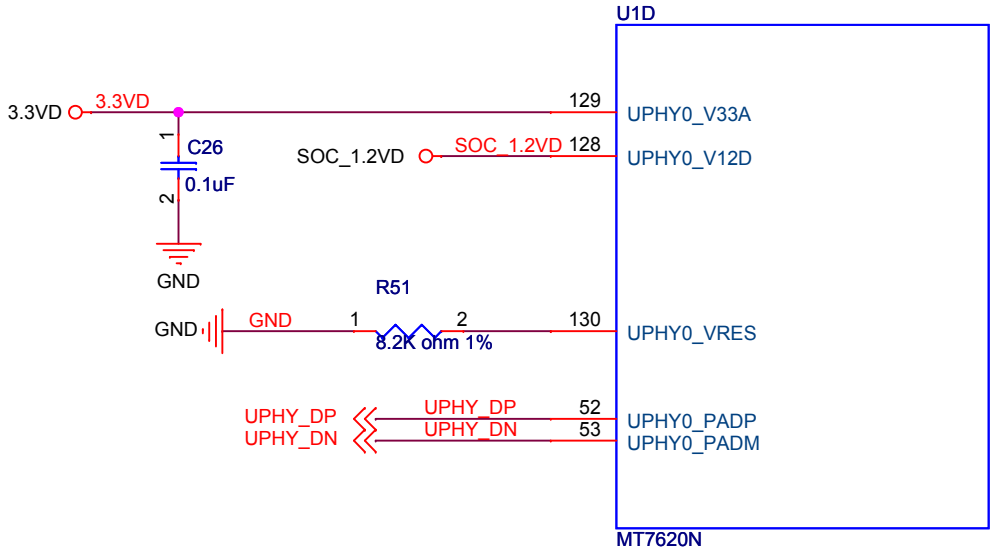
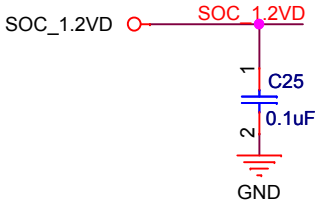
MEDIATEK	Title: MT7620N Pheripheral-C		
Size: A	Document Number: 13-MT7620N Pheripheral-C.SCH	Drawn: Jordan	Rev: 3.3
Date: Friday, March 08, 2013	Sheet 4 of 14		





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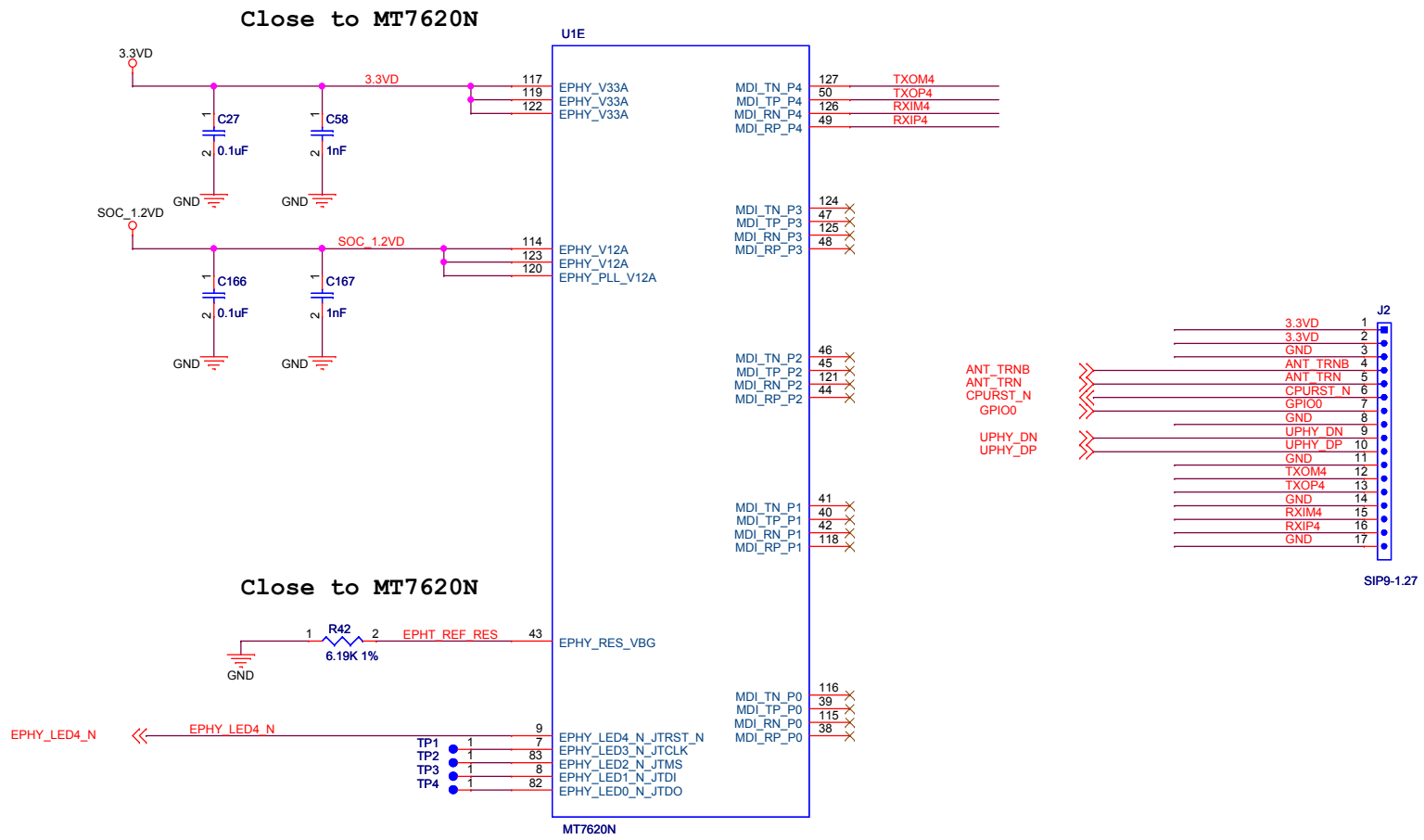
MEDIATEK	Title: MT7620N USB-D		
Size: A	Document Number: 14-MT7620N USB-D.sch	Drawn: Jordan	Rev: 3.3
Date: Friday, March 08, 2013		Sheet 5 of 14	



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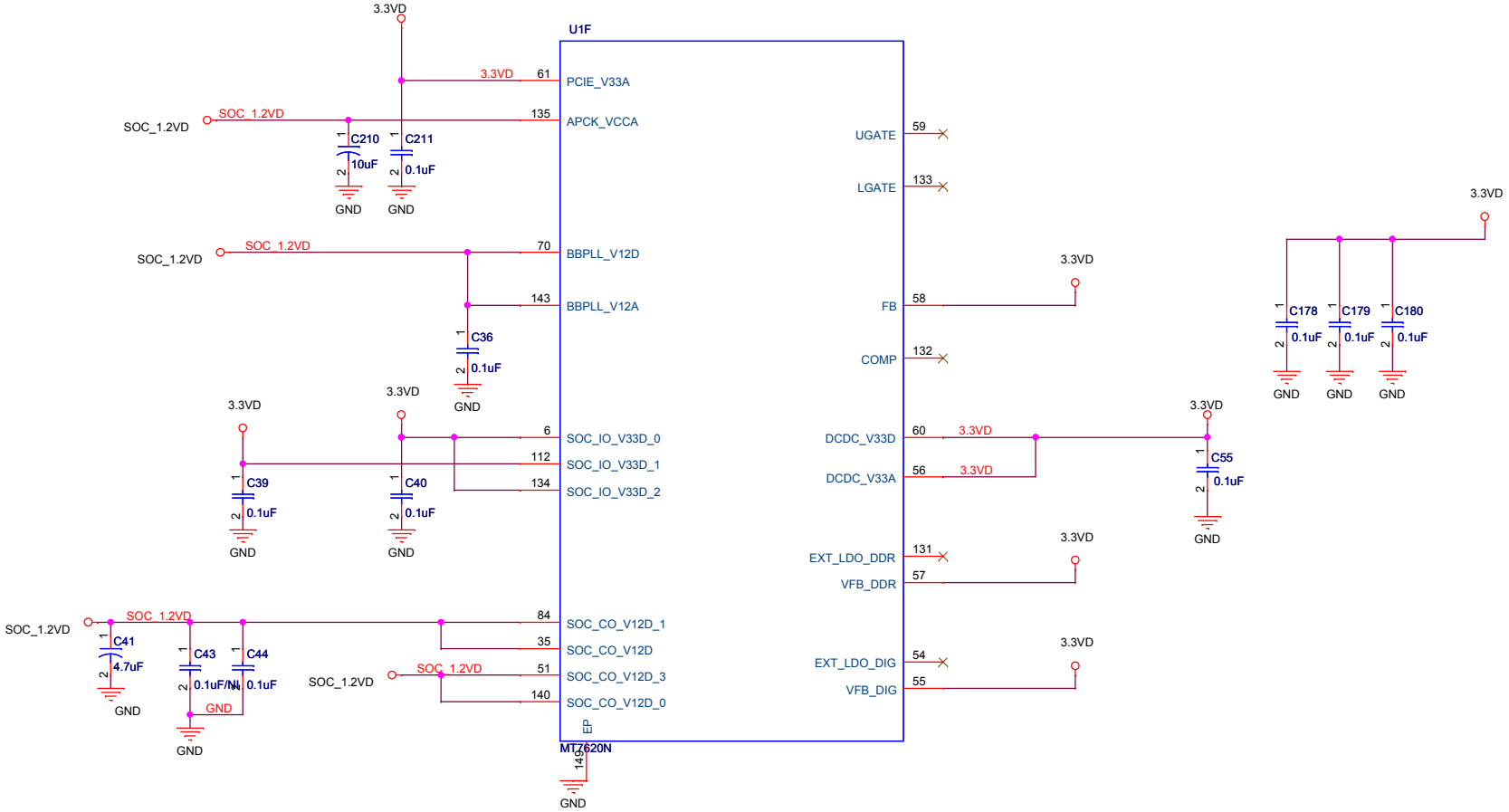
Title: MT7620N Ethernet-E			
Size: B	Document Number: 15-MT7620N Ethernet-E.SCH	Drawn: Jordan	Rev: 3.3
Date: Friday, March 08, 2013		Sheet 6 of 14	



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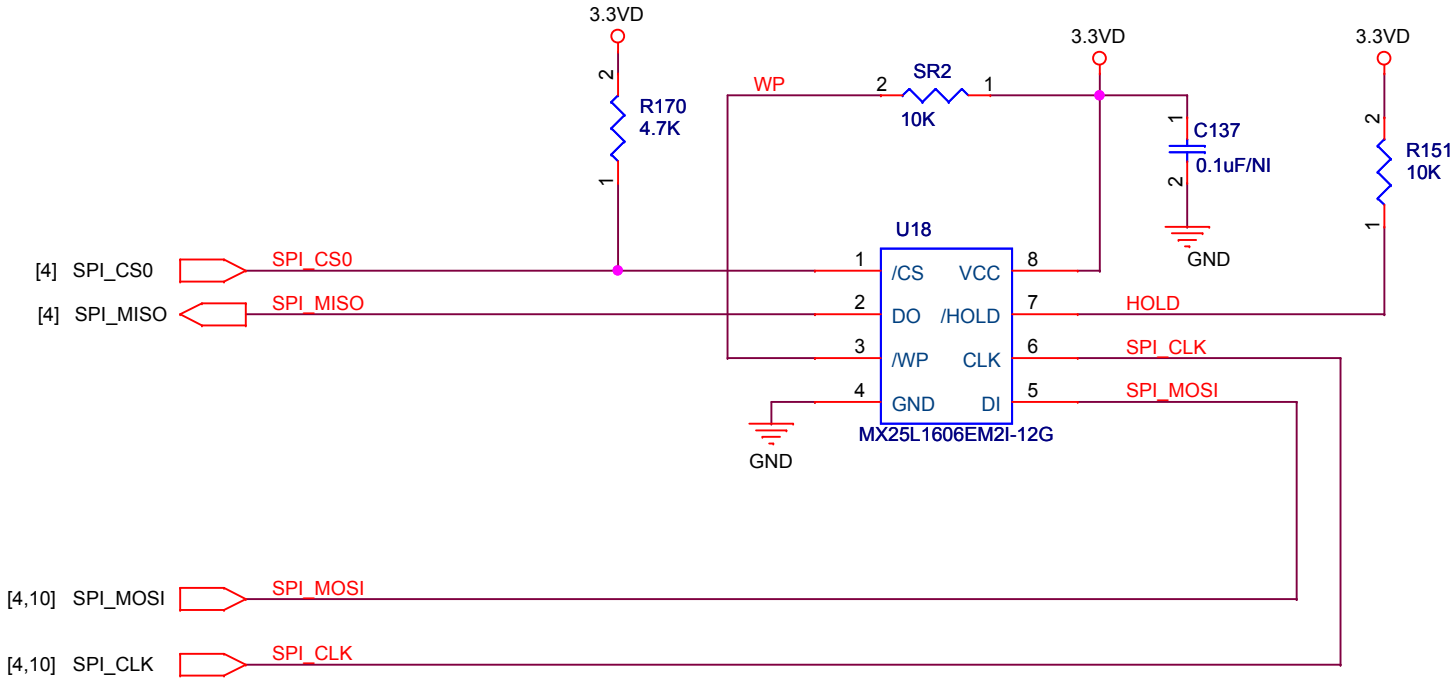
MEDIATEK	Title: MT7620N Power-F		
Size: B	Document Number: 16-MT7620N Power-F.SCH	Drawn: Jordan	Rev: 3.3
Date: Friday, March 08, 2013	Sheet 7 of 14		



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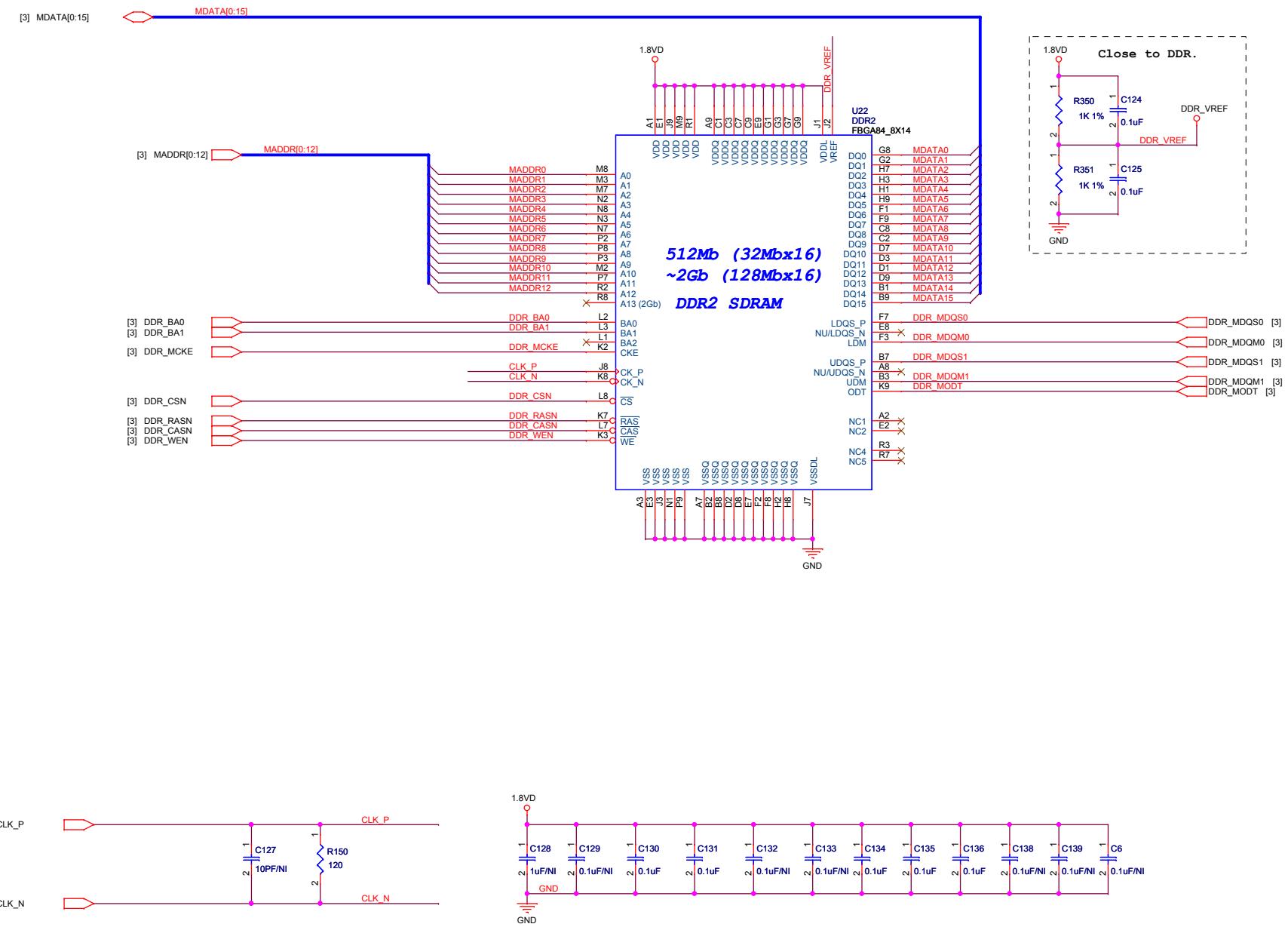
MEDIATEK	Title: SPI Flash		
Size: A	Document Number: 21-SPI Flash.SCH	Drawn: Jordan	Rev: 3.3
Date: Friday, March 08, 2013		Sheet 8 of 14	



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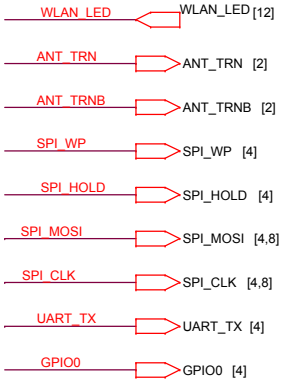
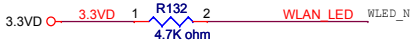
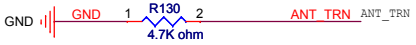
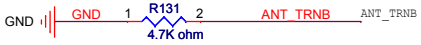
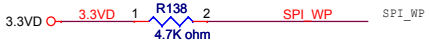
Title: SDRAM/DDR1 CFG			
Size: Custom	Document Number: 22-SDRAM/DDR1-CFG.SCH	Drawn: Jordan	Rev: 3.3
Date: Friday, March 08, 2013		Sheet 9 of 14	

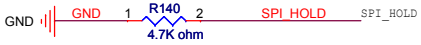


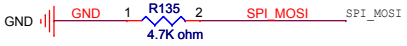


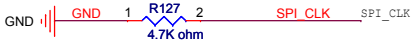


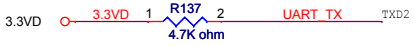


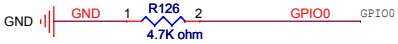












MT7620N Boot Up Strapping

Pin Name	Description	Value
WLED_N	DRAM_FROM_EE For non scan mode:	0: DRAM configuration from EEPROM 1: DRAM configuration from Auto Detect
ANT_TRN	DBG_JTAG_MODE	0: EPHY_LED 1: JTAG MODE
ANT_TRNB	XTAL_FREQ_SEL	0: 20MHz 1: 40MHz
{SPI_WP, SPI_HOLD}	DRAM_TYPE	01: DDR1 (CPU/3) TSOP Package 10: DDR2 (CPU/3) FBGA Package * 11: SDRAM (CPU/5) (LVTTL 3.3 V) TSOP Package
{SPI_MOSI SPI_CLK, TXD2, GPIO0 }	CHIP_MODE[3:0]	A vector to set chip function/test/debug modes. In non-test/debug operation, 0010: Normal mode (boot from SPI 3Byte Addr)

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MEDIATEK	Title: Config		
Size: B	Document Number: 23-Config.SCH	Drawn: Jordan	Rev: 3.3
Date: Friday, March 08, 2013		Sheet 10 of 14	

ANTENNA 0

ANTENNA 1

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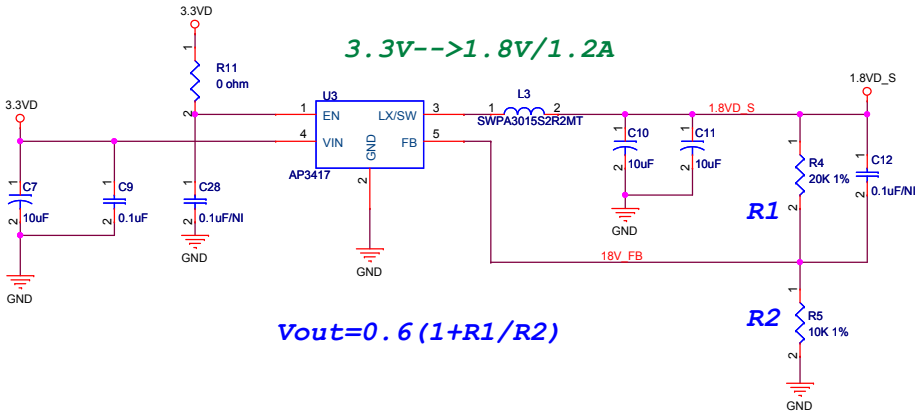
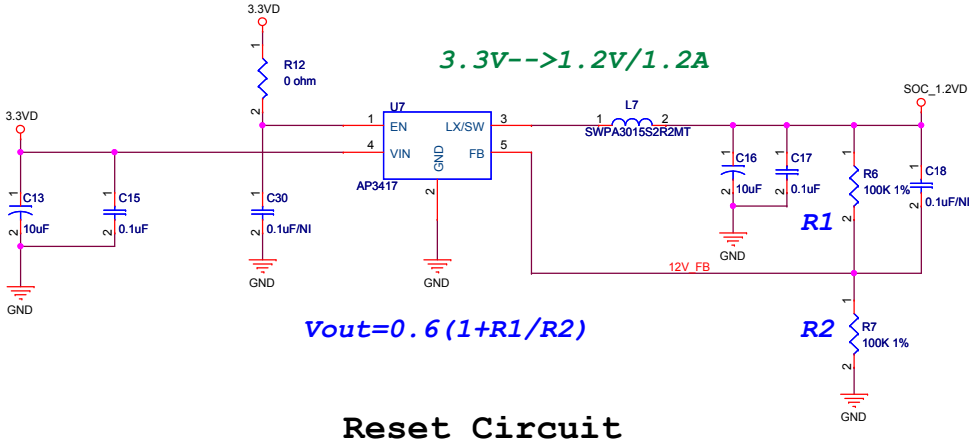
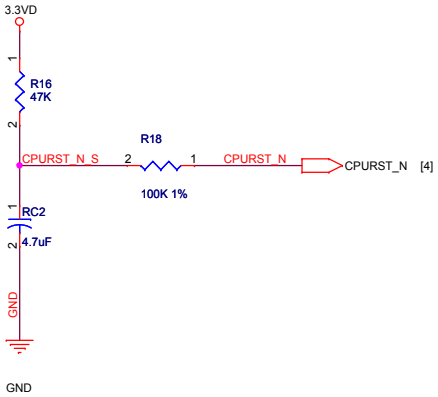
MEDIATEK	Title: Front End		
Size: B	Document Number: 3-Front End.SCH	Drawn: Jordan	Rev: 3.3
Date: Friday, March 08, 2013		Sheet 11 of 14	

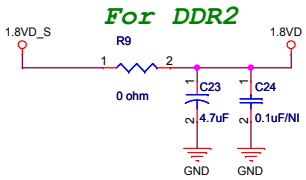
3.3V DC Vin

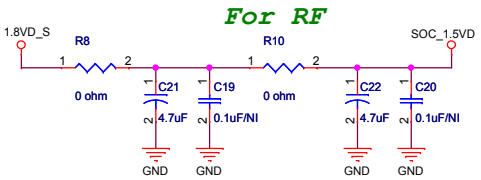




Reset Circuit







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Title: Power & Reset			
Size: Custom	Document Number: 5-Power - Reset.SCH	Drawn: Jordan	Rev: 3.3
Date: Friday, March 08, 2013	Sheet 12 of 14		