REV	Description	DATE	BY
v1.0	Initial release. Replace 10/100 Ethernet with Wi-Fi&Bluetooth Module, add 4 USB Host Ports. Replace TL5209 with ETA3410.	3/12/2016	Zelin

PAGE NO.	SCHEMATIC PAGE
1	COVER PAGE
2	POWER MANAGEMENT
3	PROCESSOR 1 OF 3, JTAG HEADER
4	PROCESSOR 2 OF 3, UAB PORTS
5	PROCESSOR 3 OF 3
6	LED, CONFIGURATION AND BUTTON
7	DDR3 MEMORY
8	eMMC FLASH
9	EXP CONN, uSD
10	Wi-Fi, Bluetooth, BLE 1/2
11	Wi-Fi, Bluetooth, BLE 2/2

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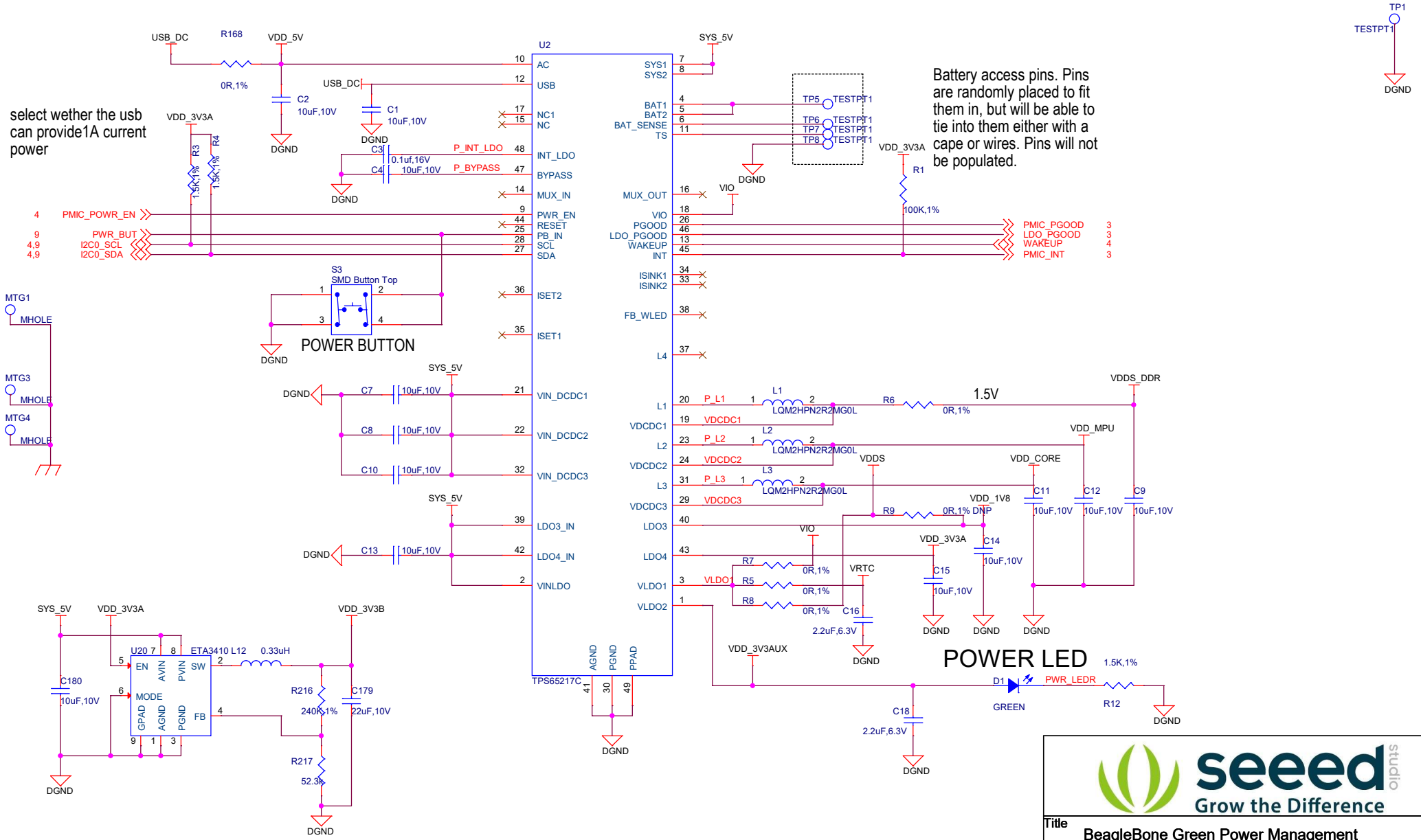
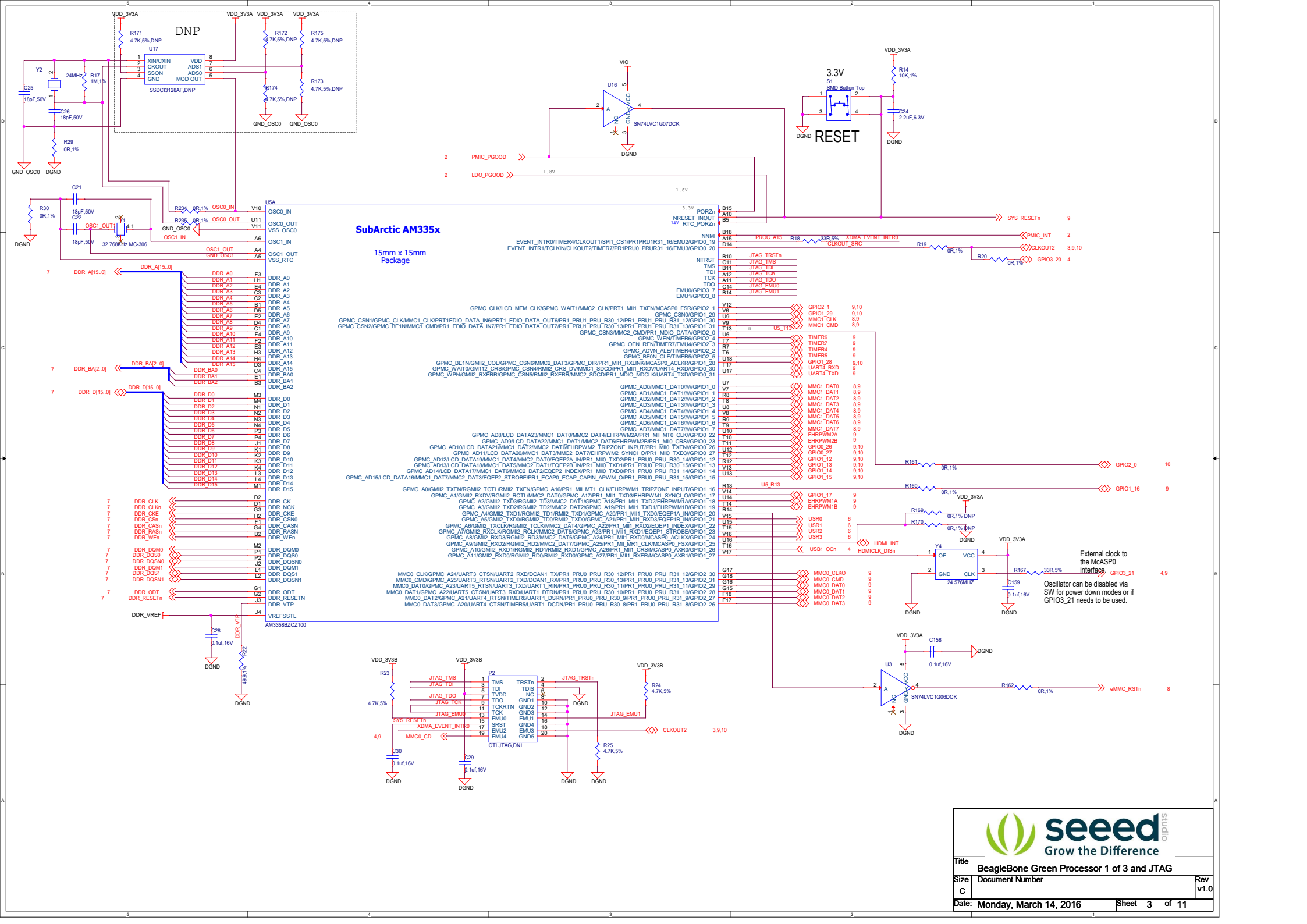
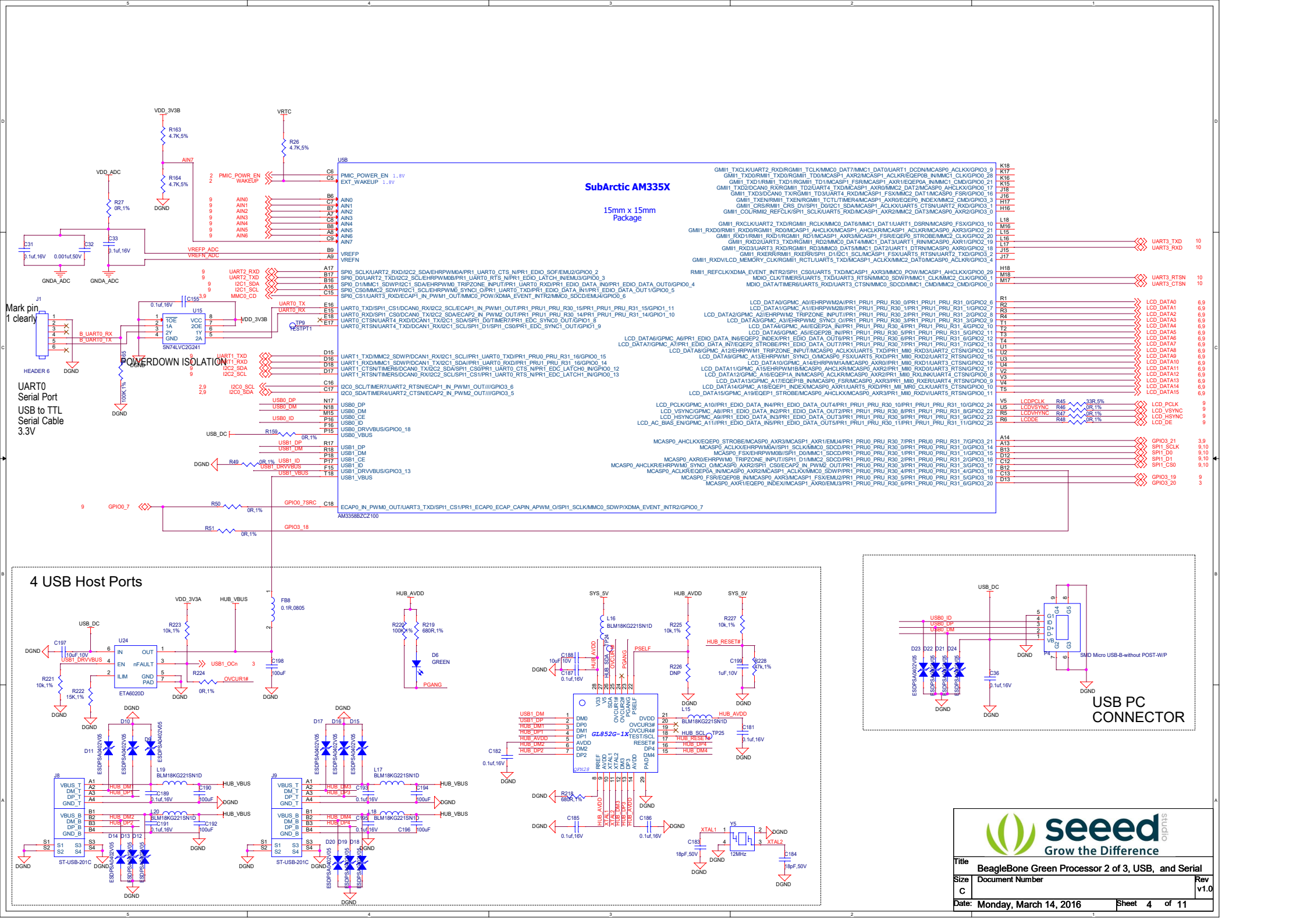
Title	BeagleBone Green Cover Page	
Size: B	Document Number	Rev: v1.0
Date: Monday, March 14, 2016	Sheet 1 of 11	



Title	BeagleBone Green Power Management	
Size: B	Document Number	Rev: v1.0
Date: Tuesday, March 15, 2016	Sheet 2 of 11	



Title	BeagleBone Green Processor 1 of 3 and JTAG
Size	C
Document Number	
Rev	v1.0
Date:	Monday, March 14, 2016
Sheet	3 of 11


SubArctic AM335X
15mm x 15mm
Package
AM3358BZCZ100
POWERDOWN ISOLATION
Mark pin
1 clearly
UART0
Serial Port
USB to TTL
Serial Cable
3.3V
4 USB Host Ports
USB PC
CONNECTOR
SMD Micro USB-B-without POST-W/P
Title
BeagleBone Green Processor 2 of 3, USB, and Serial
Size
C
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Rev
v1.0
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Monday, March 14, 2016
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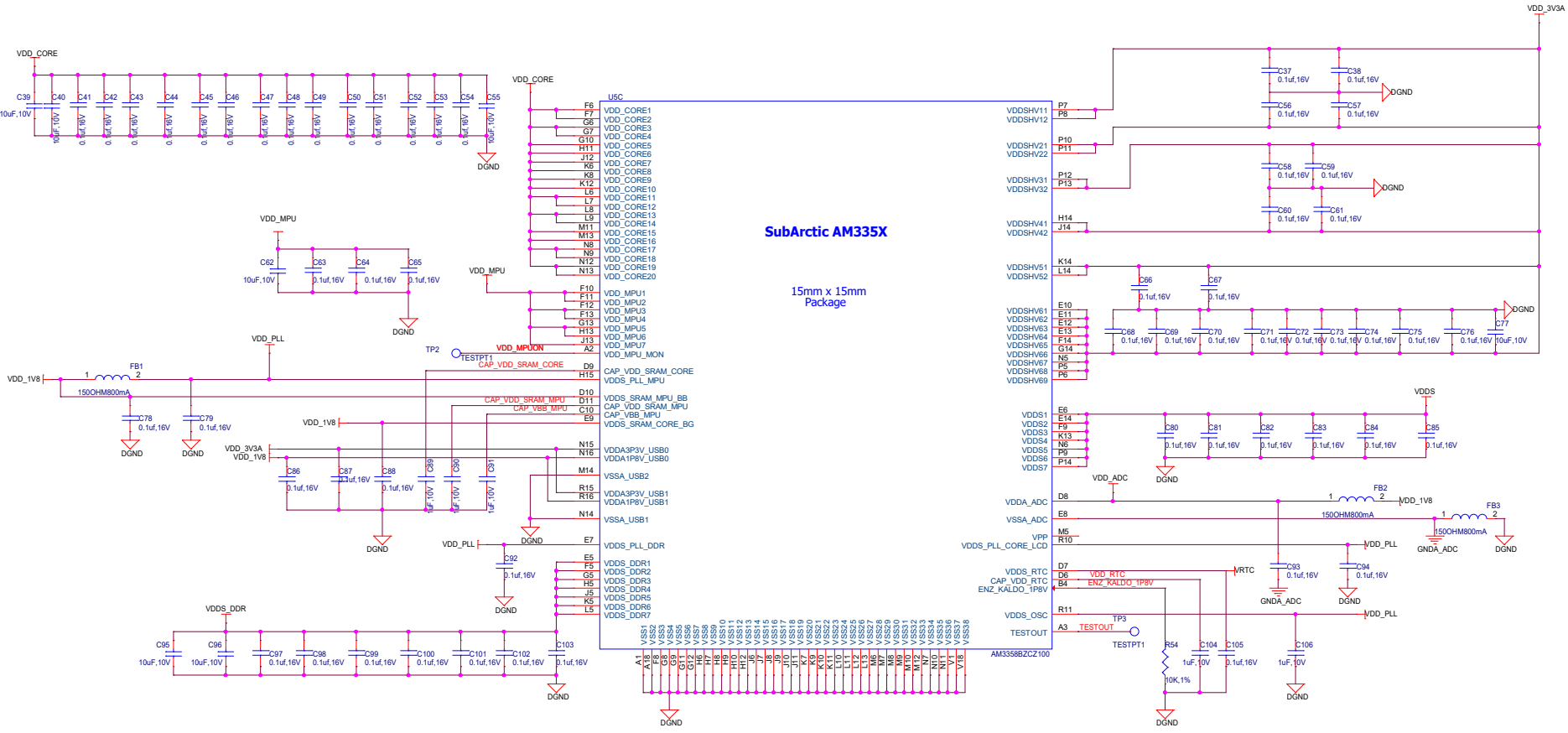
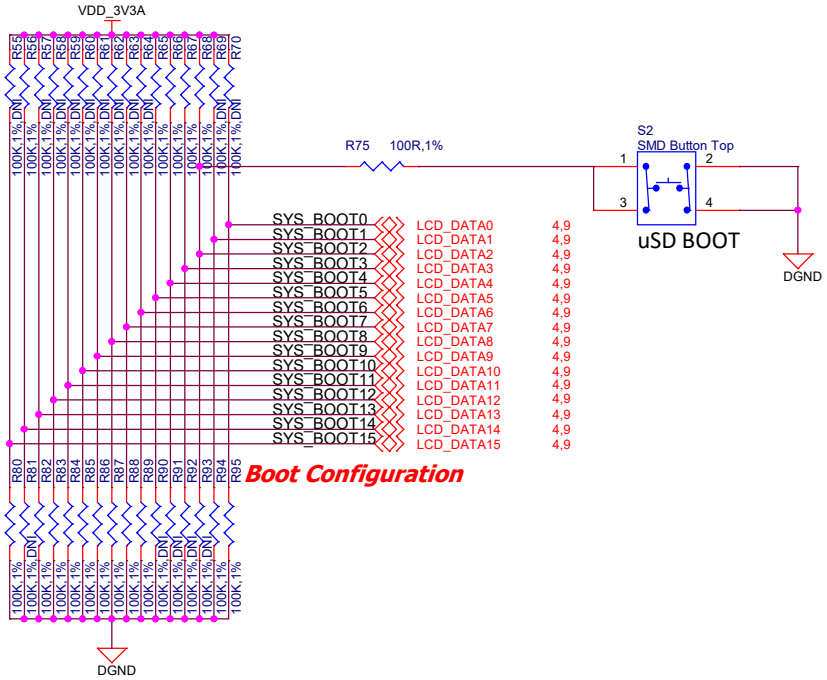
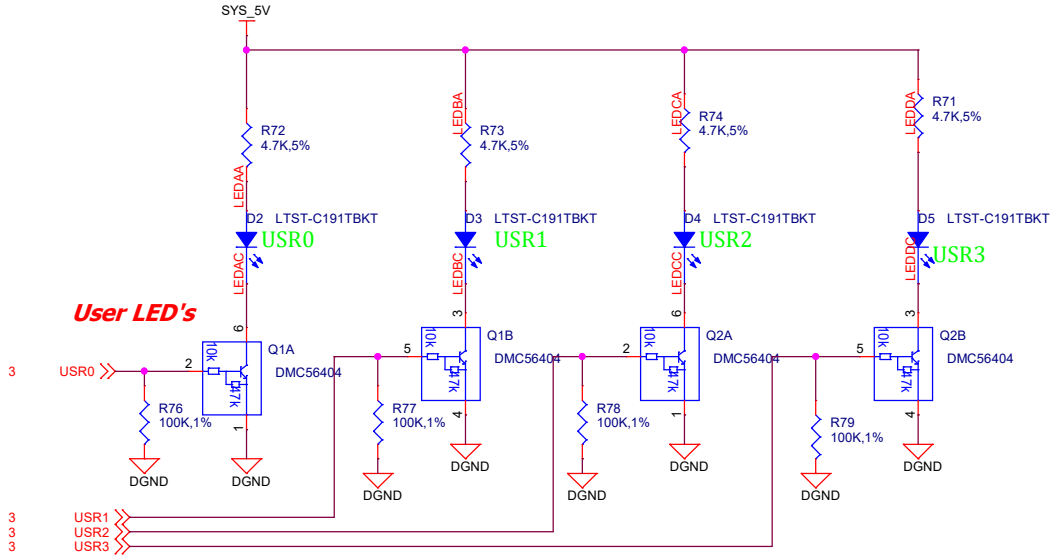
11



Title	BeagleBone Green Processr 3 of 3	
Size C	Document Number	Rev v1.0
Date: Monday, March 14, 2016	Sheet 5 of 11	





SYSBOOT[15:14]	SYSBOOT[13:12]	SYSBOOT[11:10]	SYSBOOT[9]	SYSBOOT[8]	SYSBOOT[7:6]	SYSBOOT[5]	SYSBOOT[4:0]	Boot Sequence			
00b = 19.2MHz 01b = 24MHz 10b = 25MHz 11b = 26MHz	00b (all other values reserved)	Don't care for ROM code	Don't care for ROM code	Don't care for ROM code	Don't care for ROM code	0 = CLKOUT1 disabled 1 = CLKOUT1 enabled	11100b	MMC1	MMC0	UART0	USB0[5]
00b = 19.2MHz 01b = 24MHz 10b = 25MHz 11b = 26MHz	00b (all other values reserved)	Don't care for ROM code	Don't care for ROM code	Don't care for ROM code	Don't care for ROM code	0 = CLKOUT1 disabled 1 = CLKOUT1 enabled	11000b	SPI0	MMC0	USB0[5]	UART0

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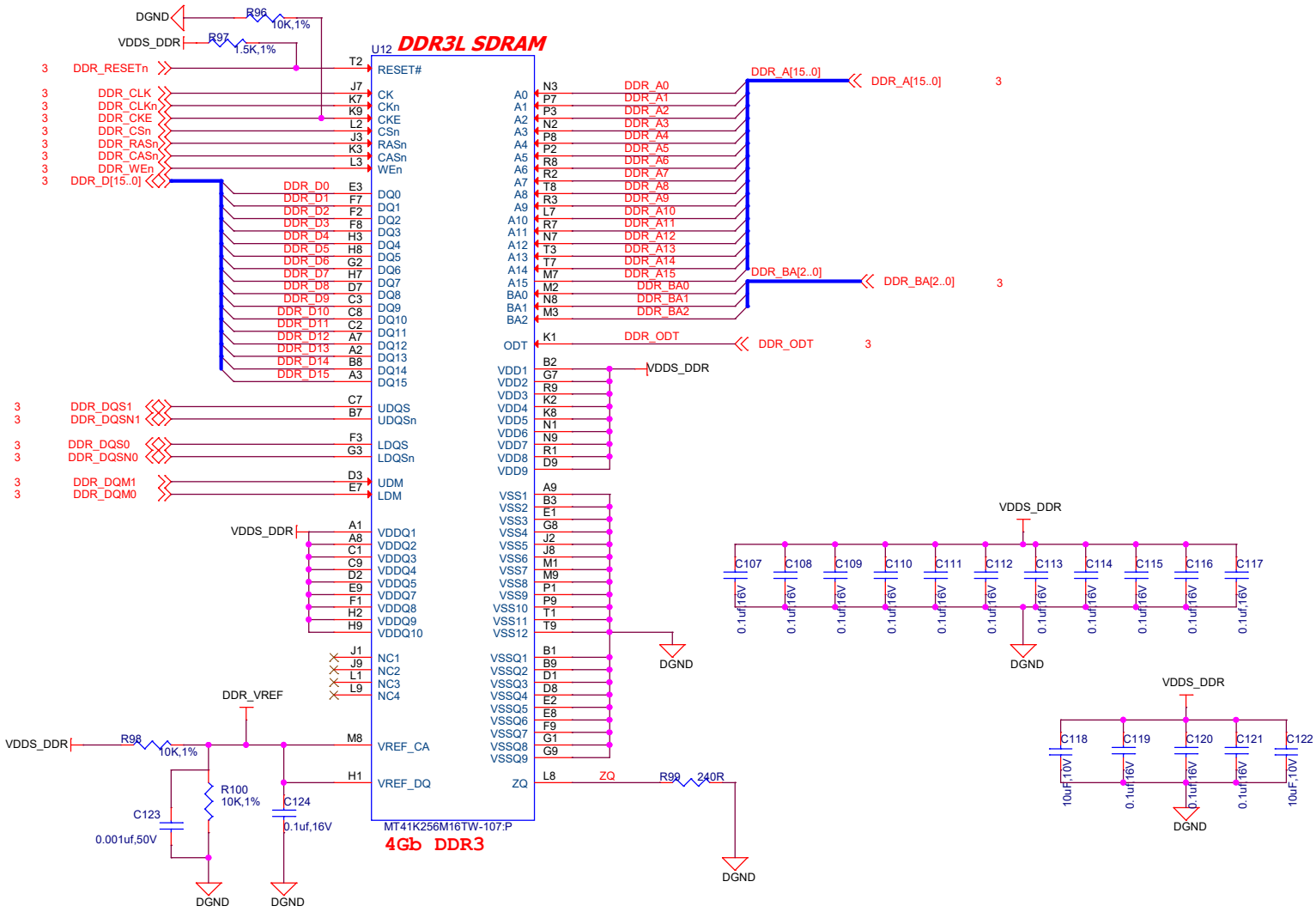
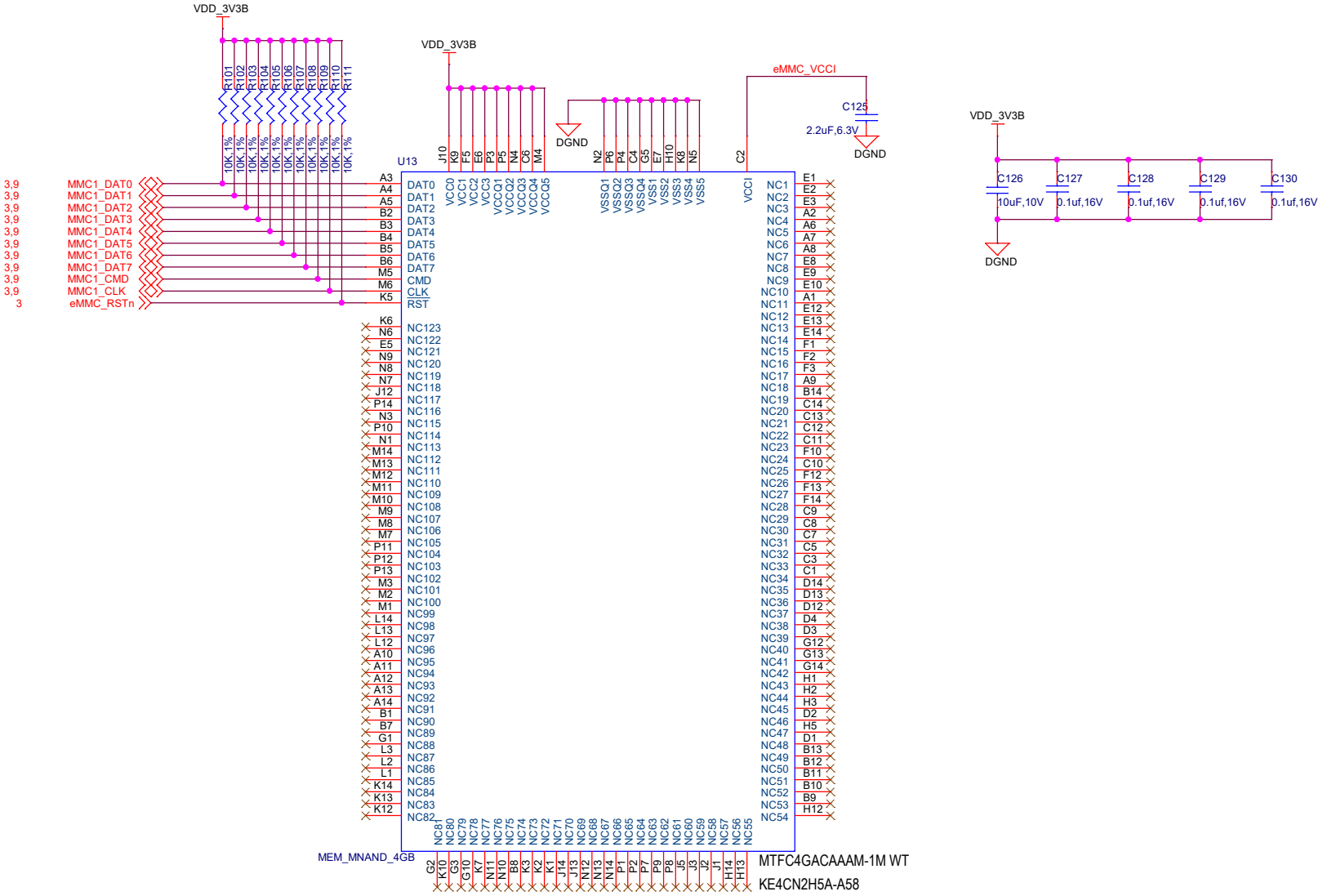
Title	BeagleBone Green LED, Configuration, and Reset	
Size B	Document Number	Rev v1.0
Date: Monday, March 14, 2016	Sheet 6 of 11	



Title	BeagleBone Green DDR3 Memory	
Size B	Document Number	Rev v1.0
Date: Monday, March 14, 2016	Sheet 7 of 11	



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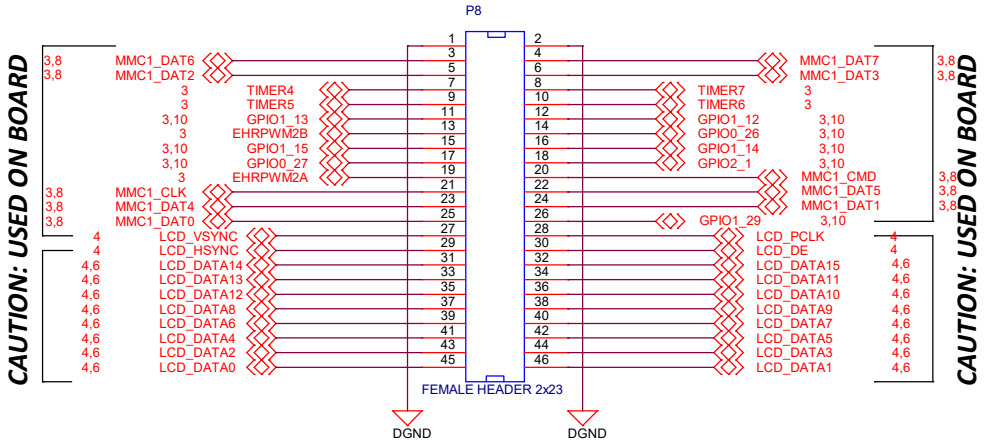
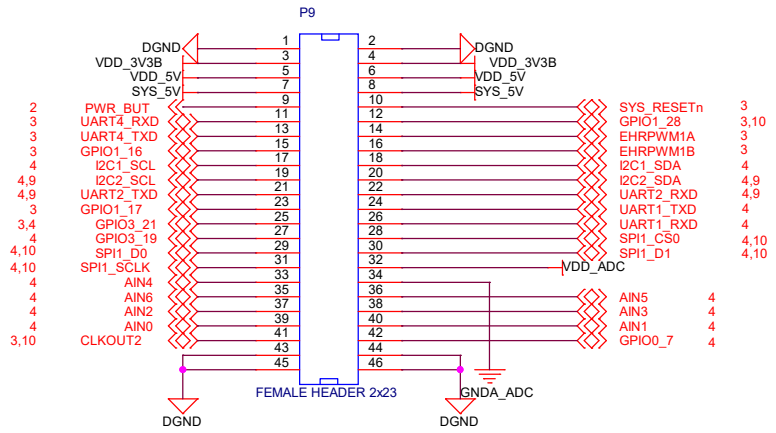
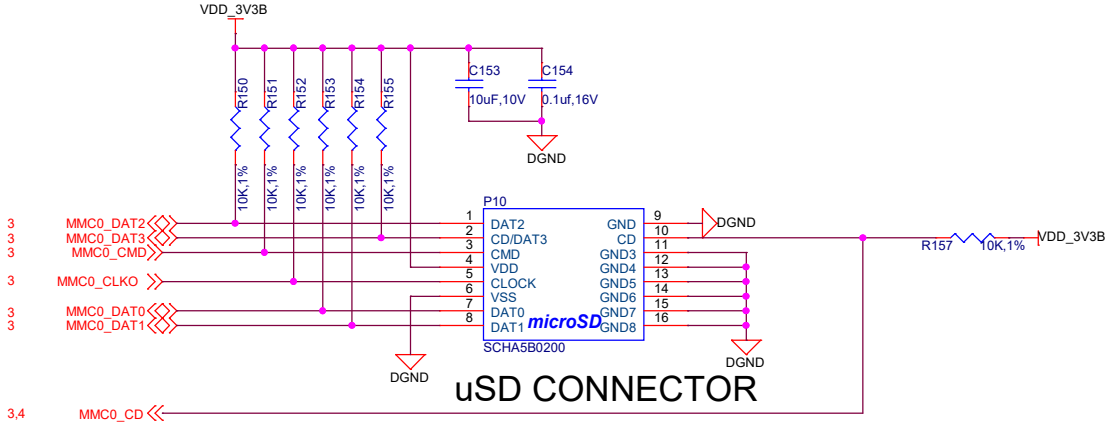
Title	BeagleBone Green 4G eMMC	
Size: B	Document Number	Rev: v1.0
Date: Monday, March 14, 2016	Sheet 8 of 11	



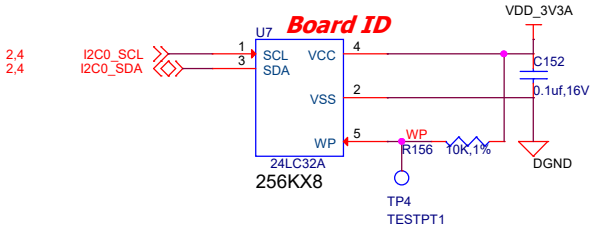
EXPANSION HEADER

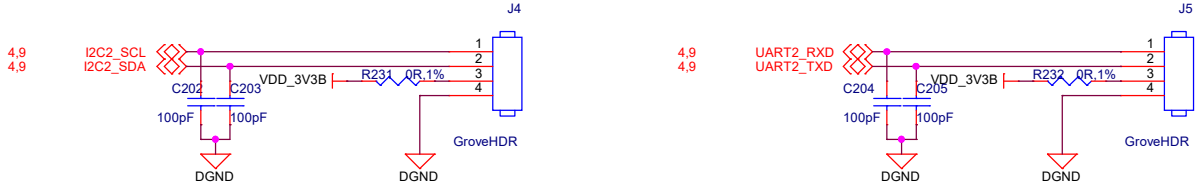


EXPANSION HEADER



uSD CONNECTOR





GROVE CONNECTOR

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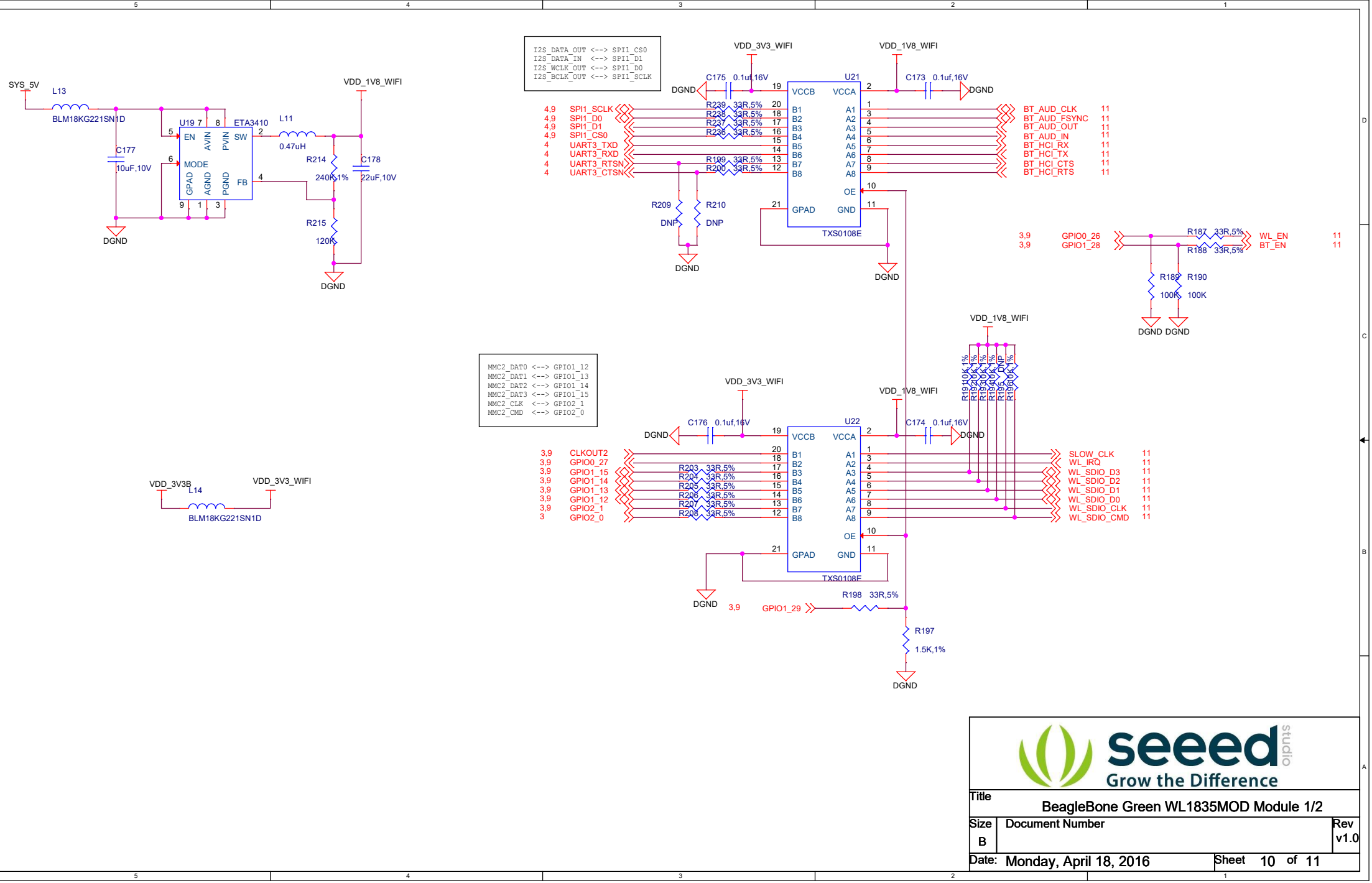
Title: BeagleBone Green Expansion Headers, uSD.and EEPROM		
Size: B	Document Number	Rev: v1.0
Date: Monday, March 14, 2016	Sheet 9 of 11	



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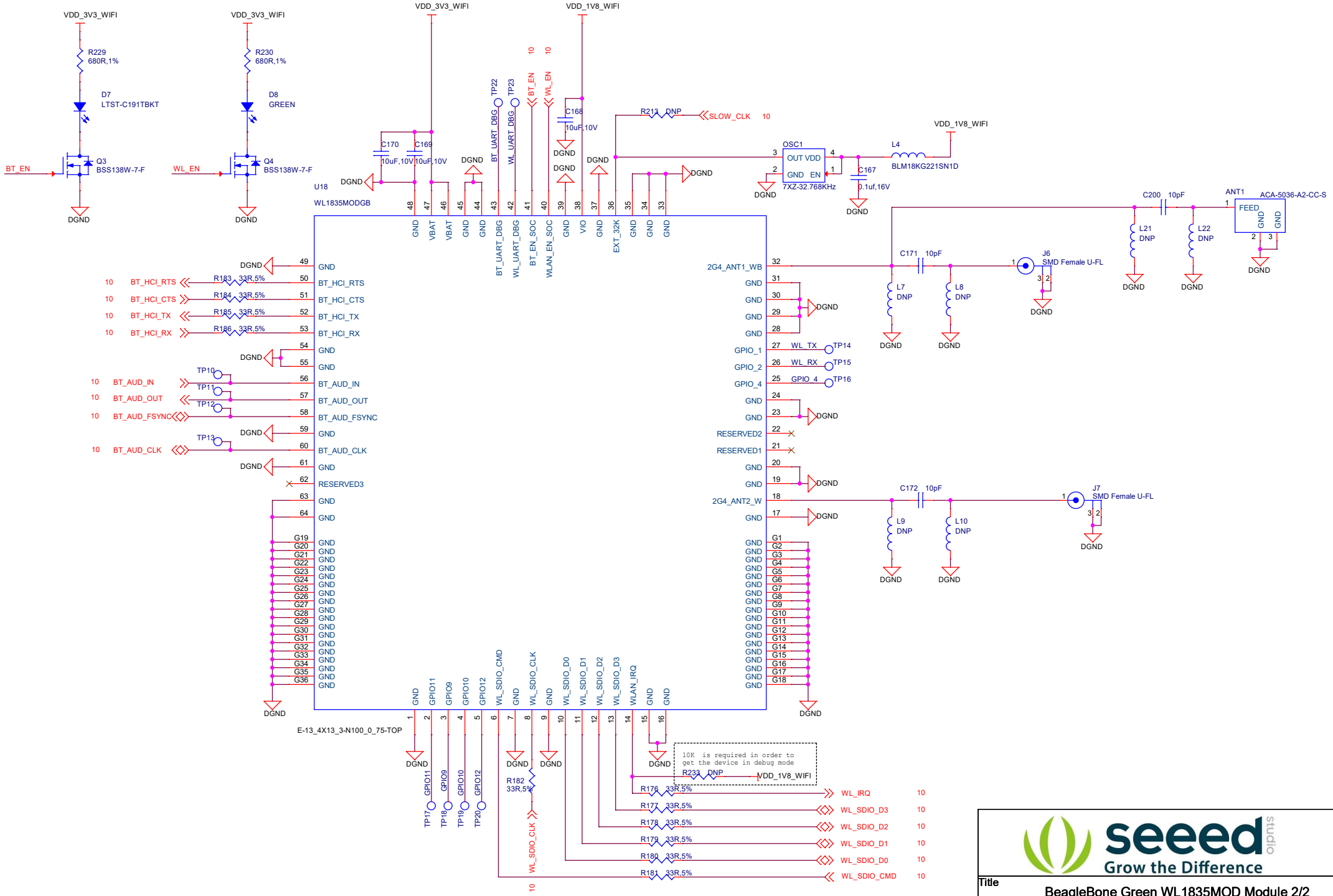
Title	BeagleBone Green WL1835MOD Module 1/2	
Size B	Document Number	Rev v1.0
Date: Monday, April 18, 2016	Sheet 10 of 11	



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Title	BeagleBone Green WL1835MOD Module 2/2
Size A3	Document Number
Rev	v1.0
Date: Monday, March 14, 2016	Sheet 11 of 11