

GR-PEACH(mbed-RZ/A1)

Circuit schematic

【 X28A-M01-F 】

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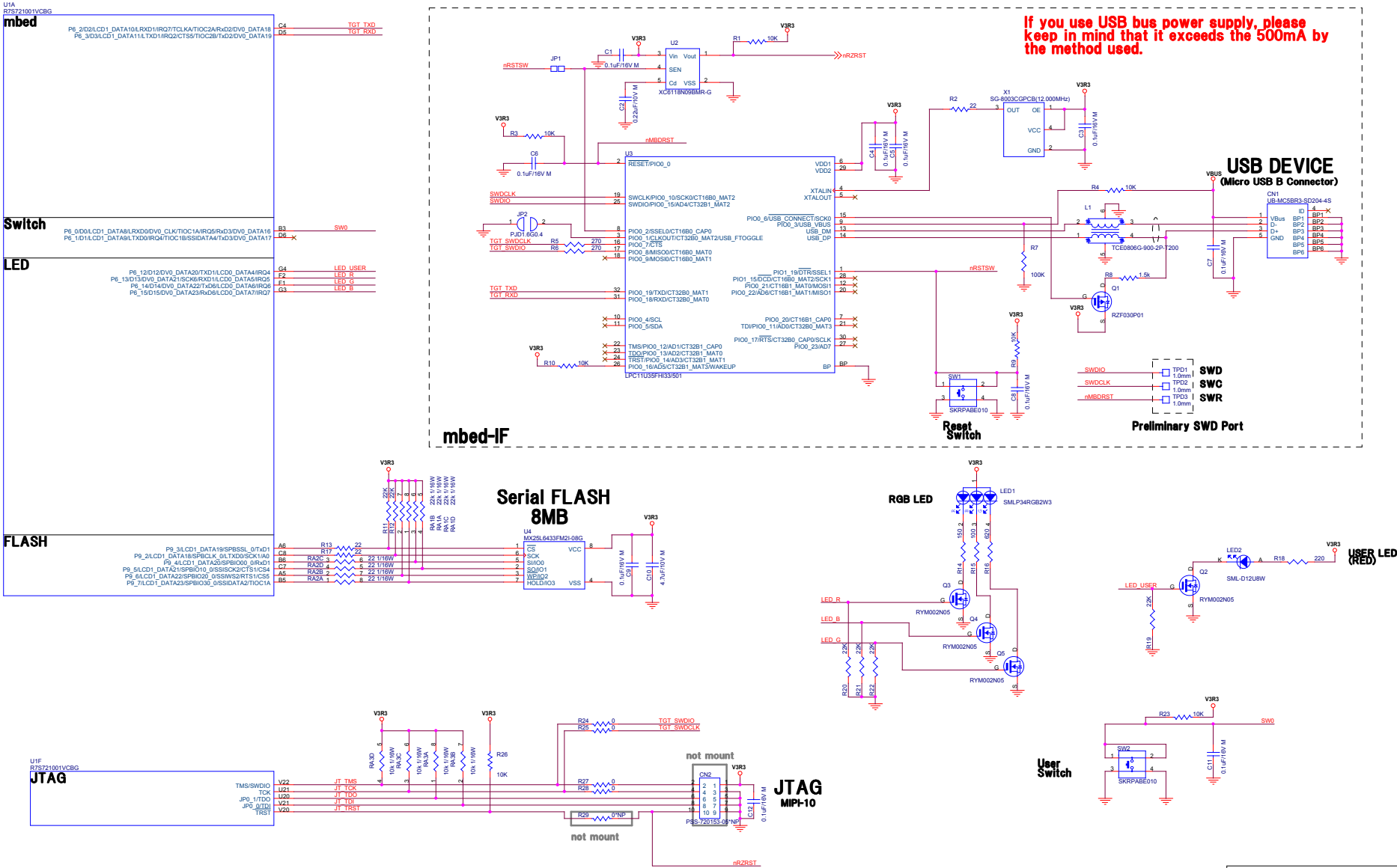
GR-PEACH Design by Core Corporation

SHT.1 Title Sheet
SHT.2 MBED-IF / Serial Flash / Switch / LED Block
SHT.3 USB Host/Function / ETHER / SD Slot Block
SHT.4 Expansion I/F / Arduino / WIFI / Xbee Block
SHT.5 CPU Power / Clock Block
SHT.6 PINMAP

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Title GR-PEACH(mbed-RZ/A1) Board Circuit		
Size	Document Number	Rev
	X28A-M01-F	0
Date	Thursday, June 11, 2015	Sheet 1 of 6

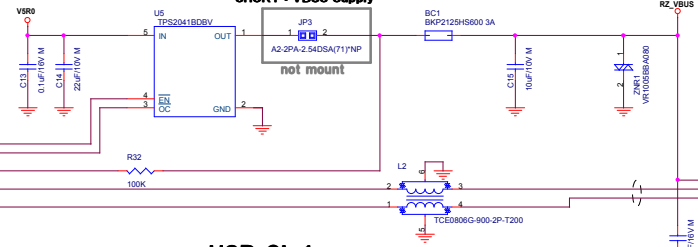
SHT.2 MBED-IF / Serial Flash / Switch / LED Block



Notice: This board is not compatible with 5V tolerant signal.

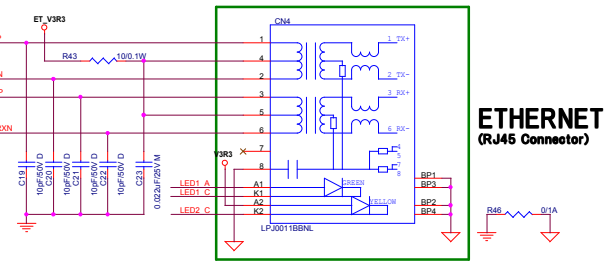
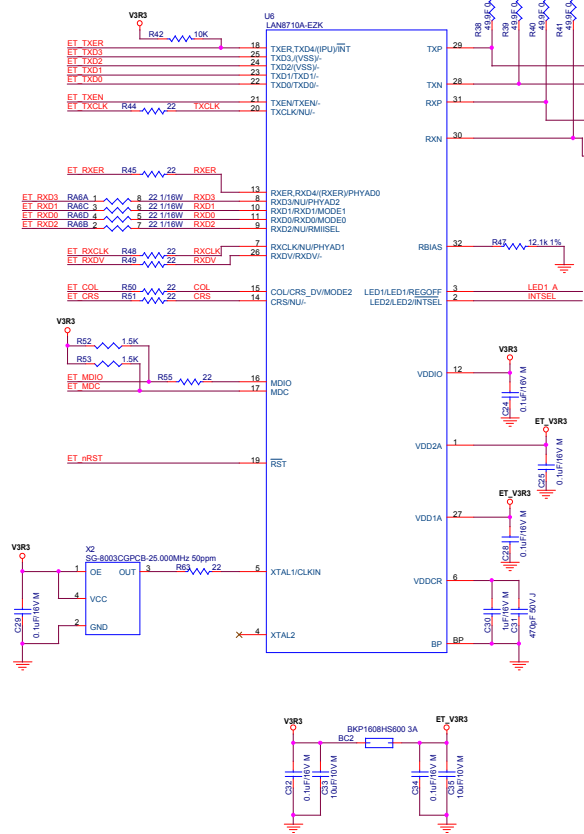
[illegible]

OPEN : VBUS not Supply
SHORT : VBUS Supply



If you use USB bus power supply, please keep in mind that it exceeds the 500mA by the method used.

USB Ch.1
DEVICE/HOST
WIFI-Module(BP3595) / GR-IF
Exclusive use WIFI-Module(BP3595) or GR-IF



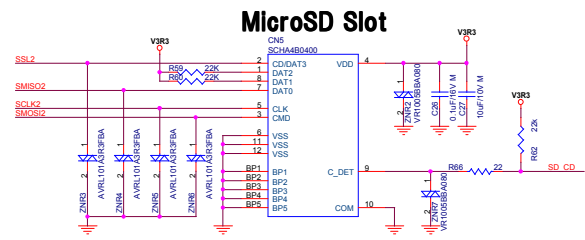
Version [Normal] is not mount.
Version [Full] is mount.

REGOFF = 0
Internal Regulator Enable

INTSEL = 1
Interrupt Function Enable

R61 10K **RXD0** **MODE0**
R64 10K **MODE1**
R65 10K **MODE2**
R67 10K **RMISEL**
R68 10K **PHYAD0**
R69 10K **PHYAD1**
R70 10K **PHYAD2**
R71 100

nINTSEL 15pin Pull-Down: TX ER/TXD4
nINTSEL 5pin Pull-Down: MI MODE
PHYAD[2] 10, 15pin Pull-Up: Auto-negotiation Enable

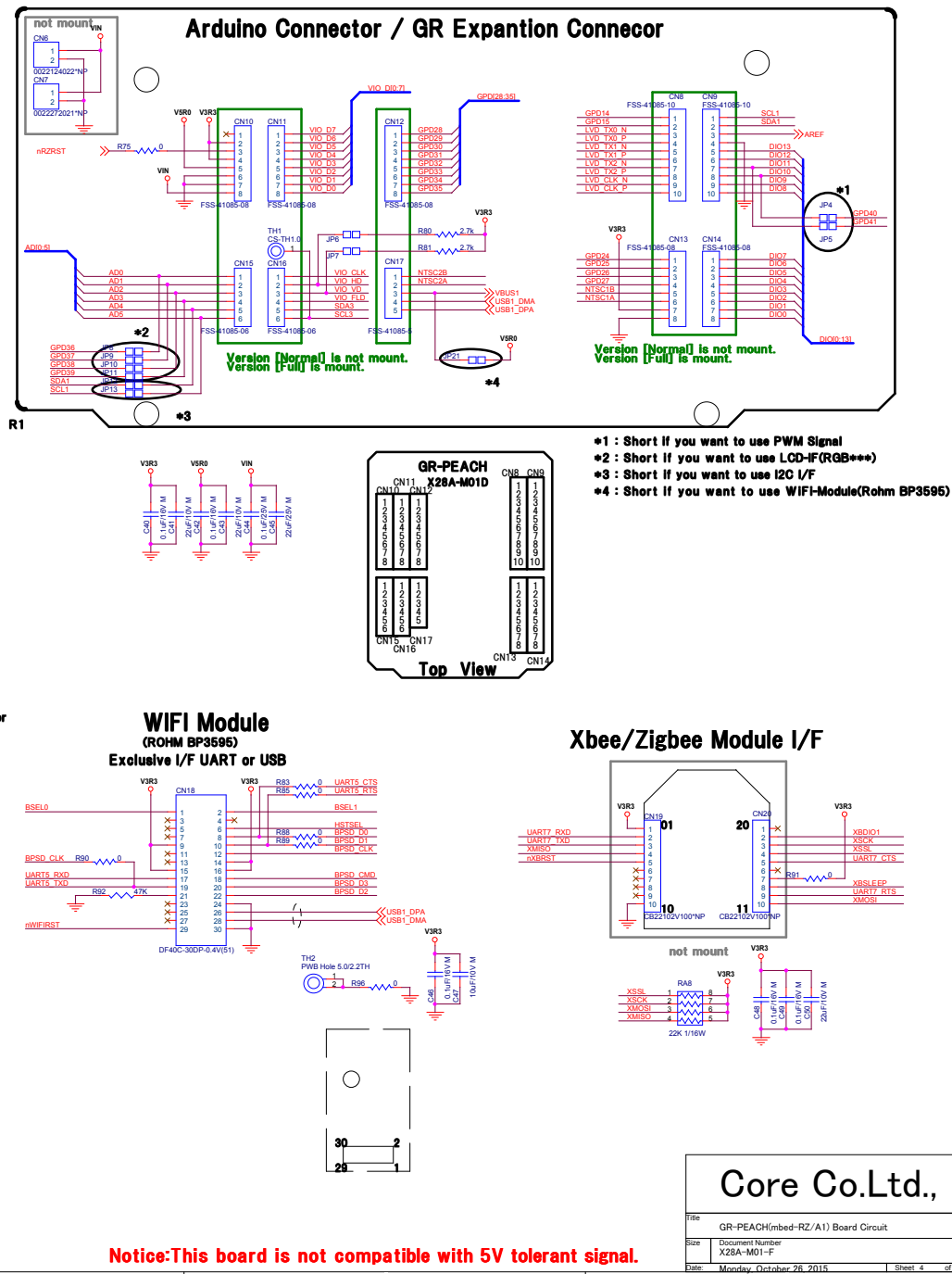
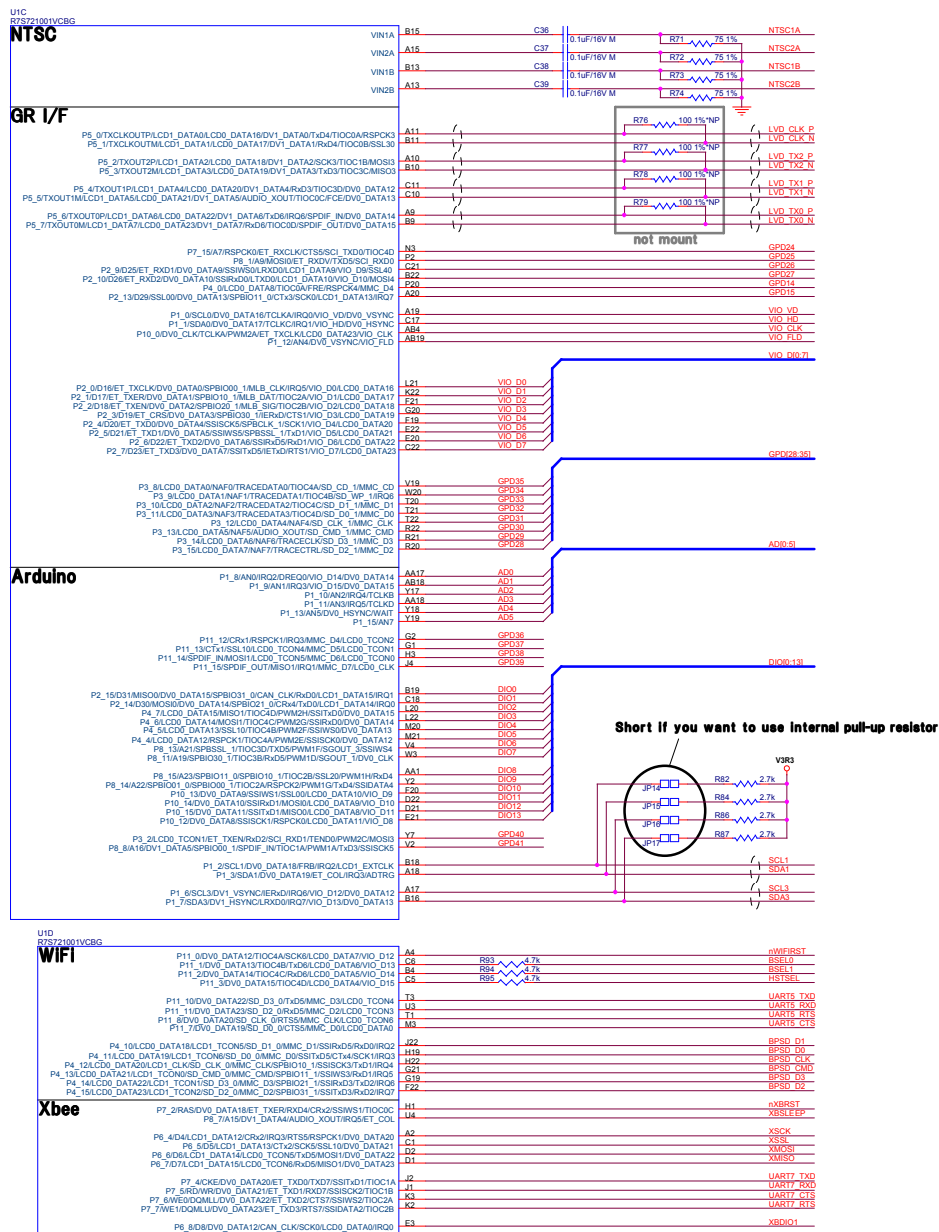


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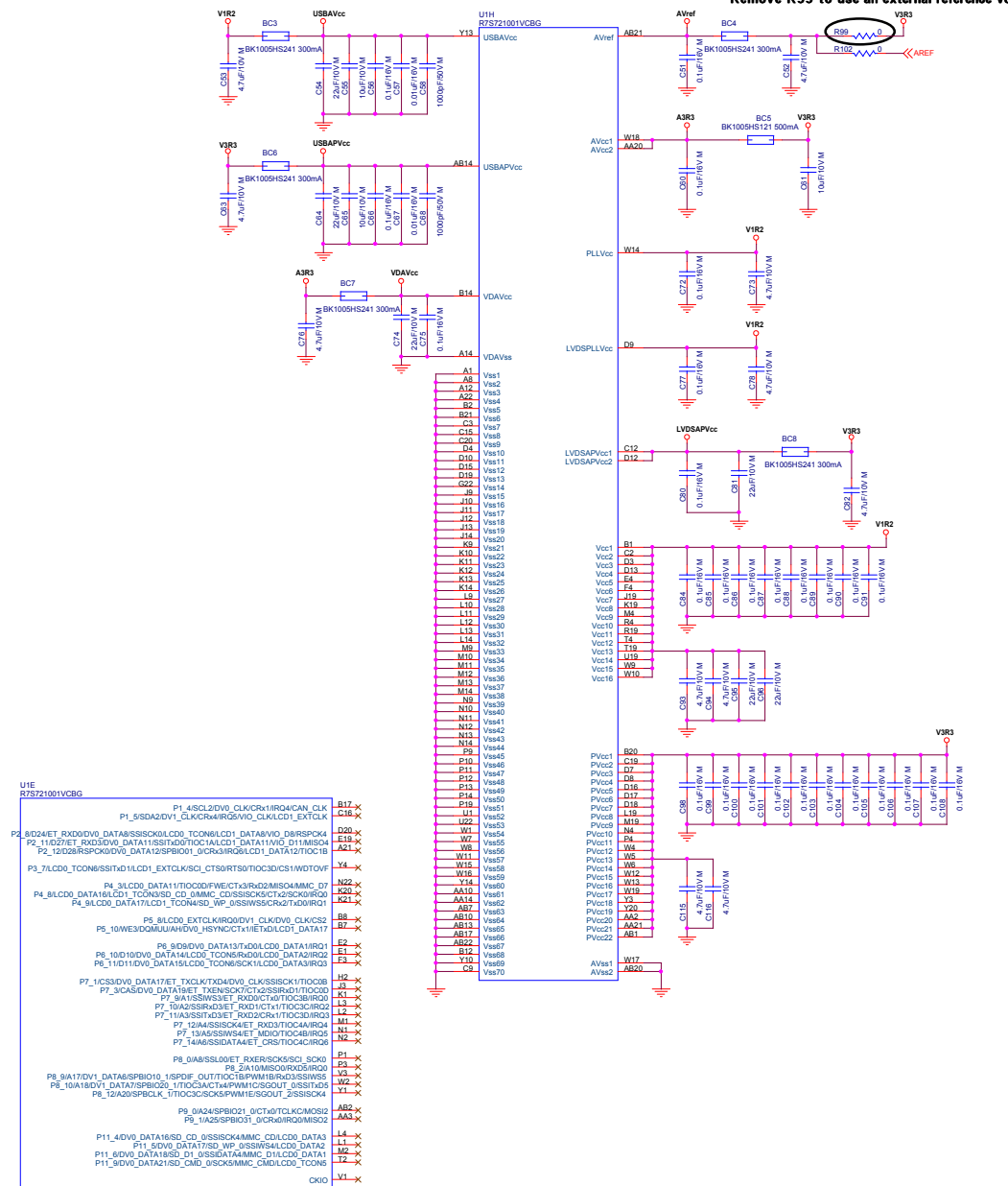
Title			
GR-PEACH(mbed-RZ/A1) Board Circuit			
Size	Document Number		Rev
	X28A-M01-F		0
Date:	Wednesday, October 28, 2015		Sheet 3 of 6

Notice:This board is not compatible with 5V tolerant signal.

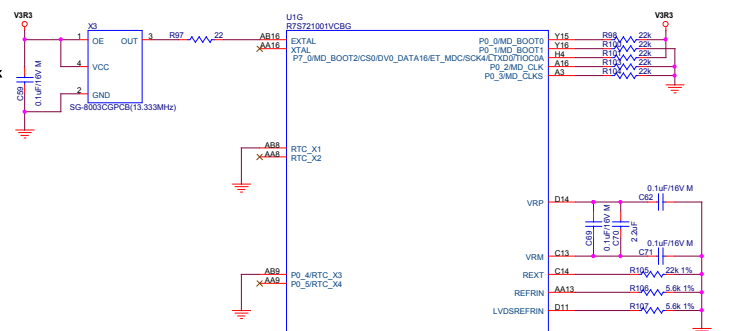
SHT.4 Expansion I/F / Arduino / WiFi / Xbee Block



SHT.5 CPU Power / Clock Block



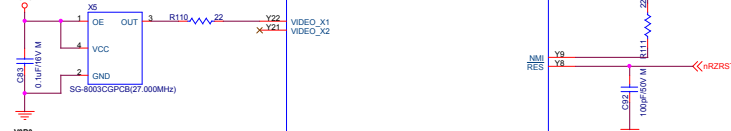
System Clock



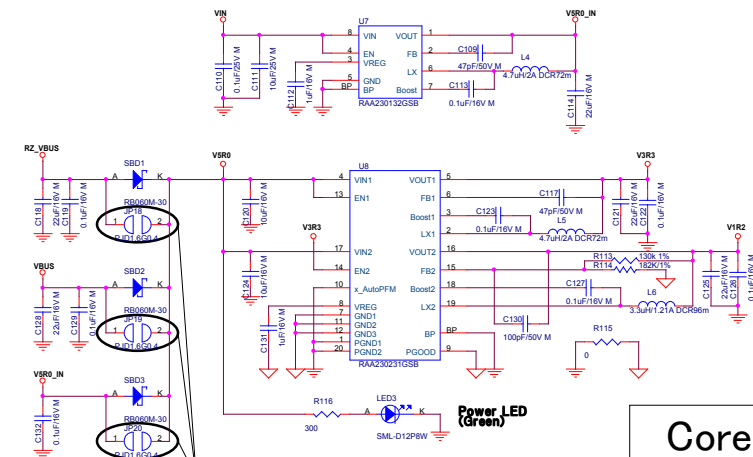
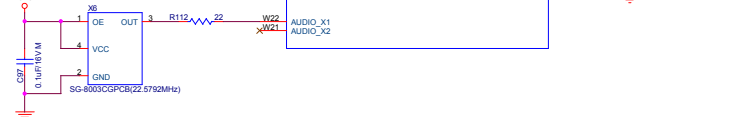
USB Clock



Video Clock



Audio Clock



Short if you do not want to drop the voltage at the diode

Notice:This board is not compatible with 5V tolerant signal.

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Title	CD-DEACH(-) and P3(A1) Band Circuit
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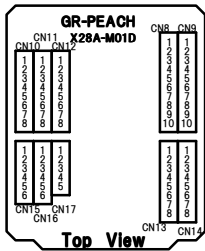
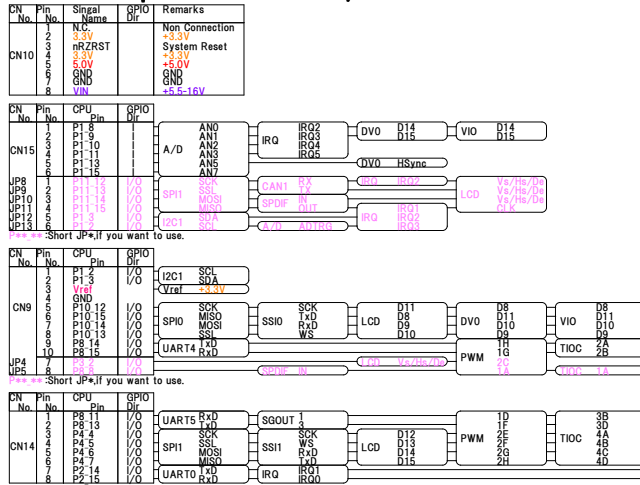
GR-PLACH(mbed-RZ/A1) Board Circuit		
Pin	Component	Value

Size	Document Number	Rev
	X28A-M01-F	0

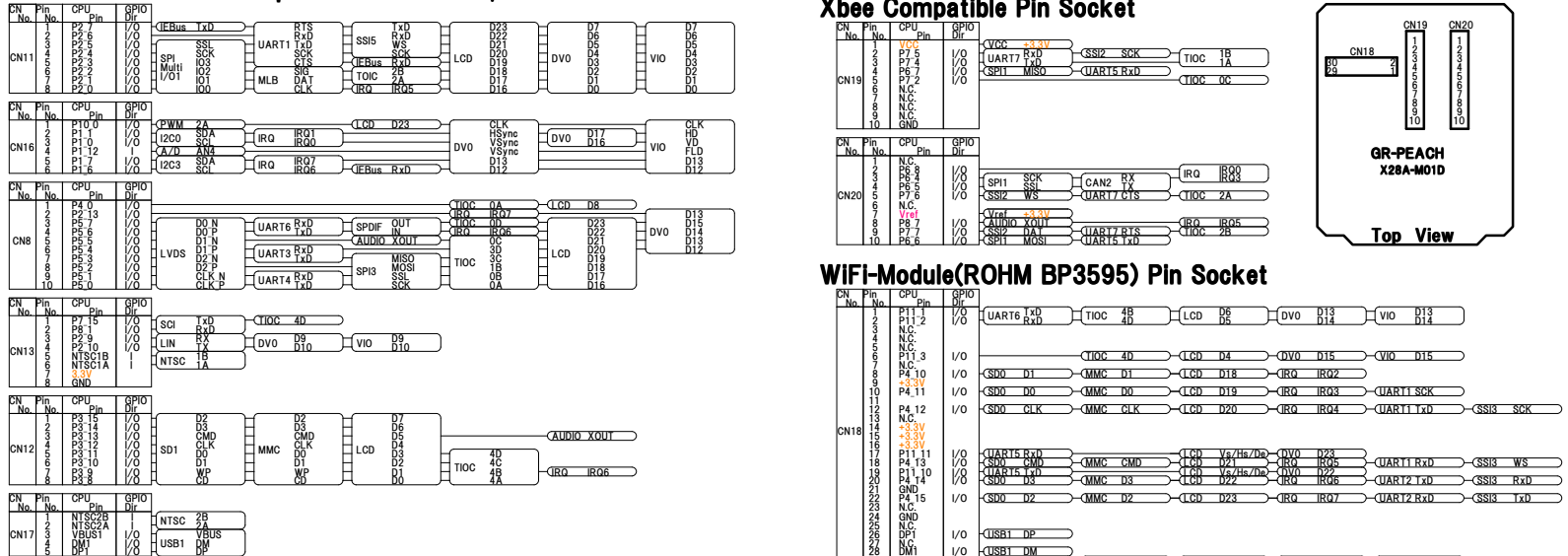
Date: Tuesday, November 24, 2015 Sheet 5 of 6

SHT.6 PINMAP

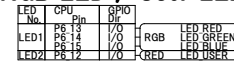
Arduino Compatible Pin Socket/Header



GR-PEACH Dedicated Expansion Pin Socket/Header



RGB-LED / User LED



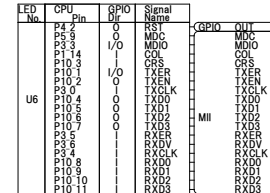
User Button



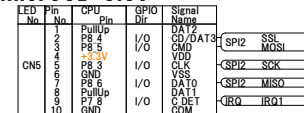
USB



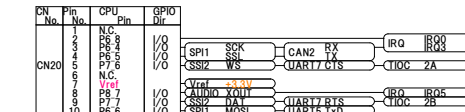
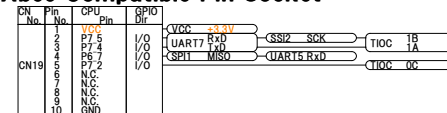
ETHER PHY



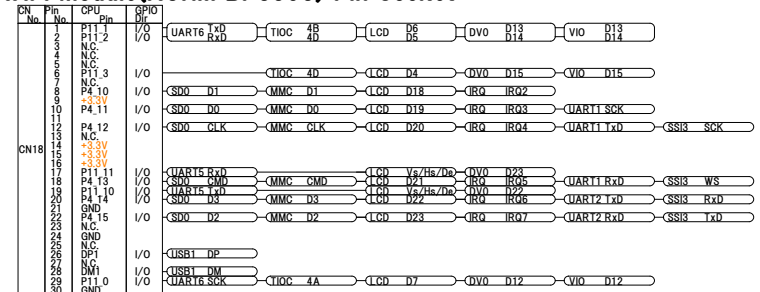
MicroSD Slot



Xbee Compatible Pin Socket



WIFI-Module(ROHM BP3595) Pin Socket



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