

NPi i.MX6ULL Breakout Board Schematic V1.0

Table of contents

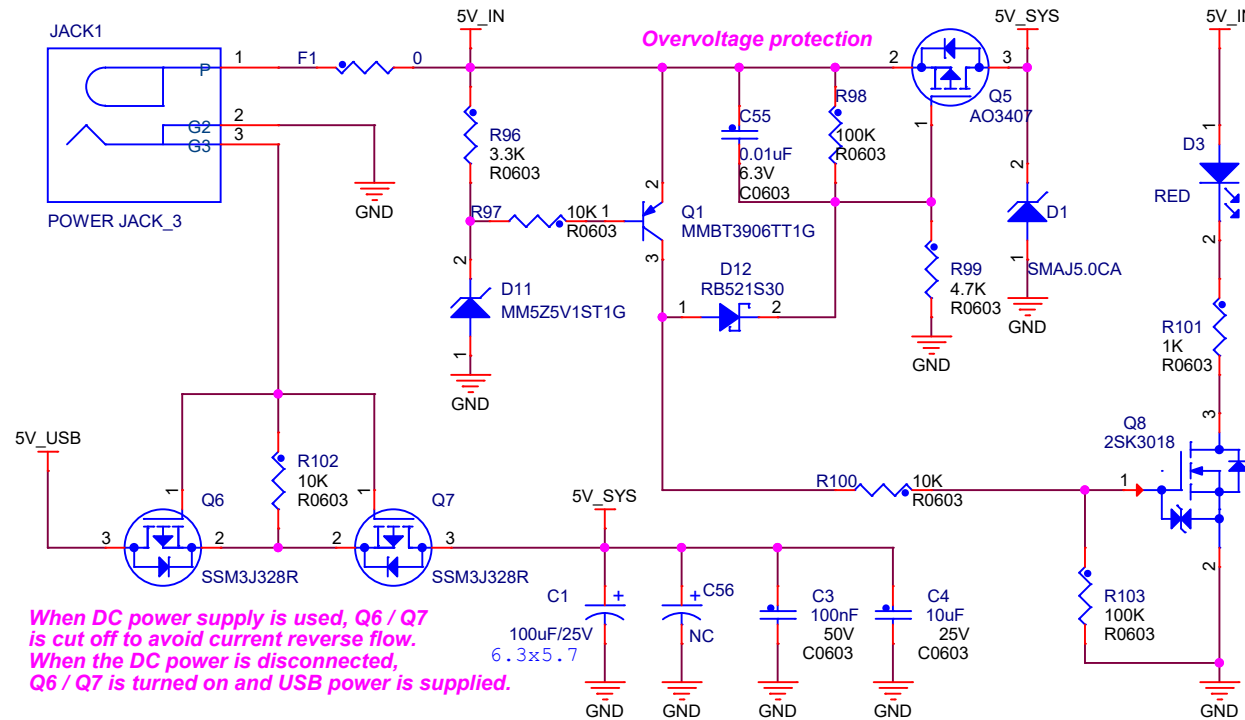
Page 1	Table of contents
Page 2	Revision History
Page 3	Power
Page 4	Board-to-board connectors
Page 5	External IO interface
Page 6	Extension IO/Boot configuration/ Lcd Interface
Page 7	USB turn to serial port/ Key/Led
Page 8	SD/USB HOST/USB
Page 9	Ethernet PHY x1
Page 10	Ethernet PHY x2
Page 11	
Page 12	
Page 13	
Page 14	
Page 15	
Page 16	
Page 17	
Page 18	

Title			
NPi i.MX6ULL Breakout Board			
Size A4	Document Number	Title	Rev V1.0
Date:	Saturday, March 07, 2020	Sheet 1	of 10

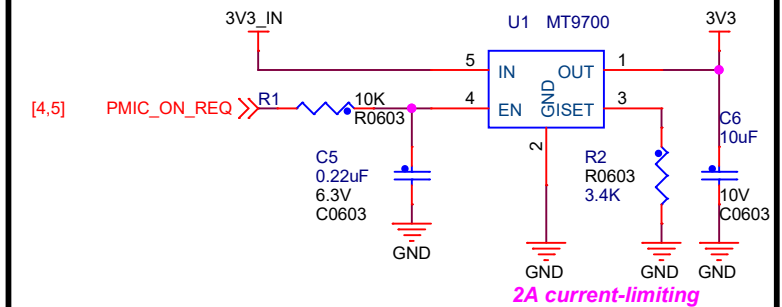
Revision History

Version	Date	Design	Describe
V0.1	2019-07-20	cancore	Initial Release
V0.2	2019-08-30	cancore	1. Added overvoltage protection function 2. Added SD card hot plug detection 3. Added user led 4. Changed dial switch direction
V1.0	2019-09-19	cancore	1. Removed IR 2. Changed Raspberry Pi pin definition

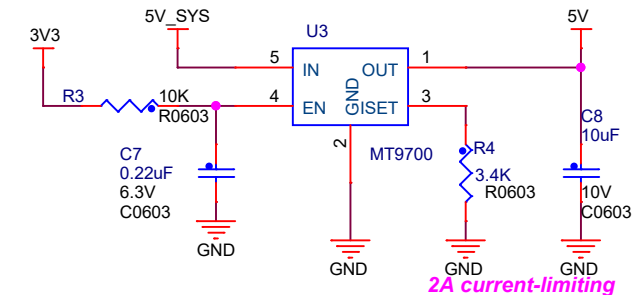
DC IN : 5V



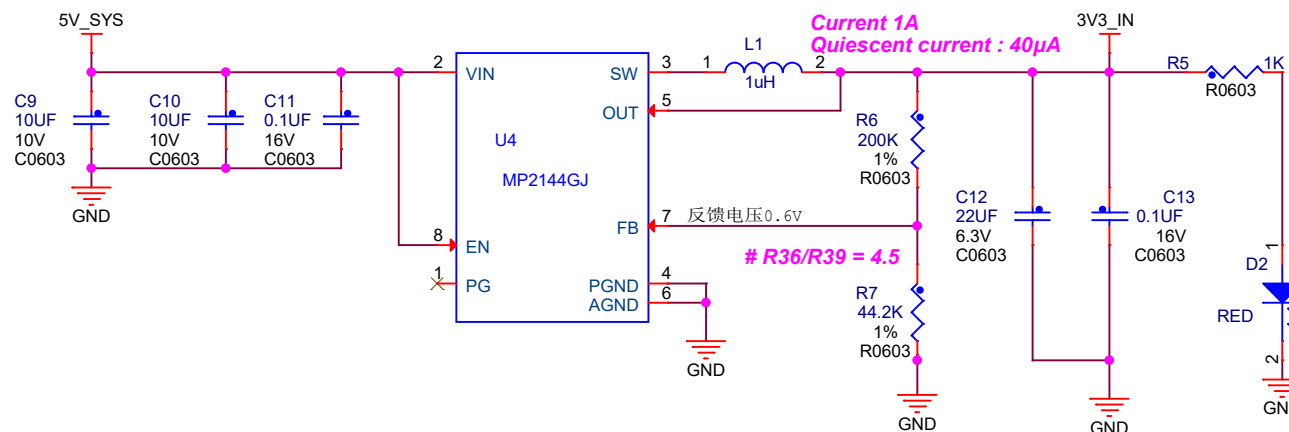
3.3V Output Control and Over-current Protection



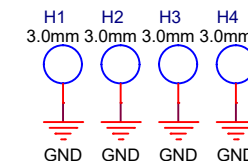
5V Output Control and Over-current Protection



5V TO 3.3V

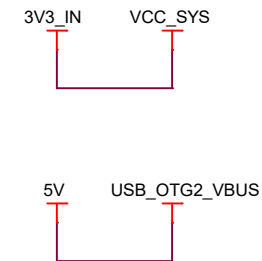


Location hole



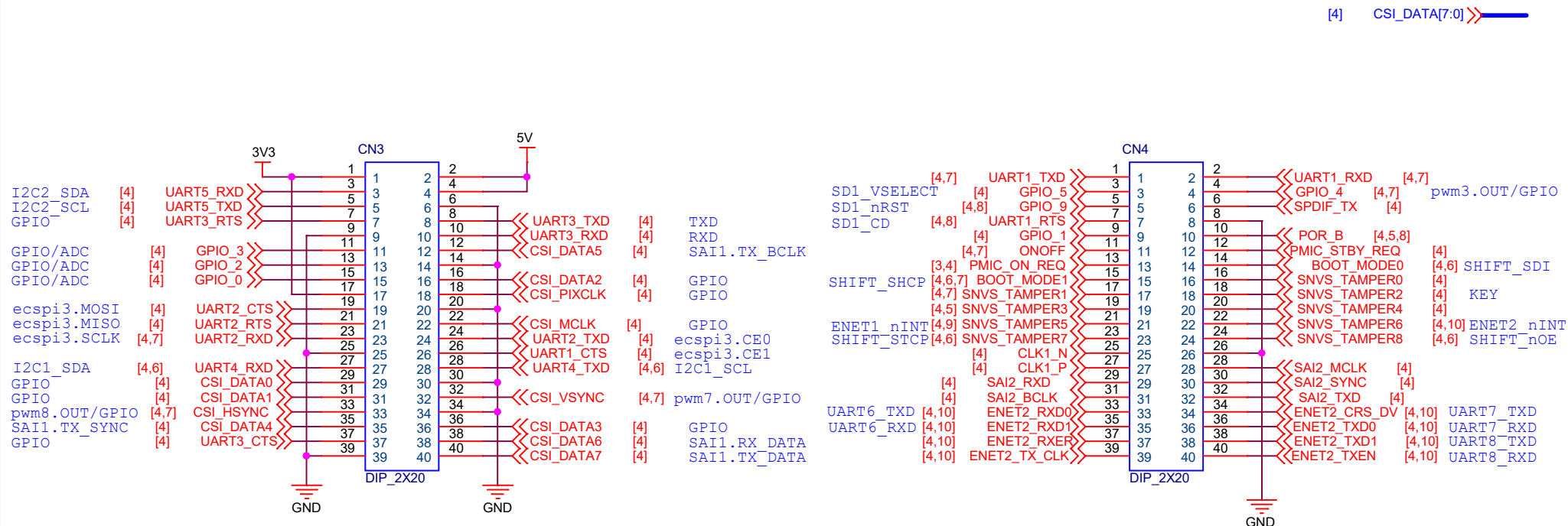
Title			
NPi i.MX6ULL Breakout Board			
Size A4	Document Number Power		Rev V1.0
Date:	Saturday, March 07, 2020	Sheet 3	of 10

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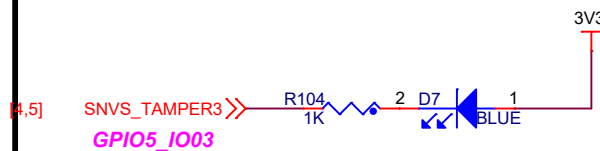
Title			
NPi i.MX6ULL Breakout Board			
Size A4	Document Number		Rev
	CPU_B2B		V1.0
Date:	Friday, March 06, 2020	Sheet 4 of	10

External IO interface (pin header)

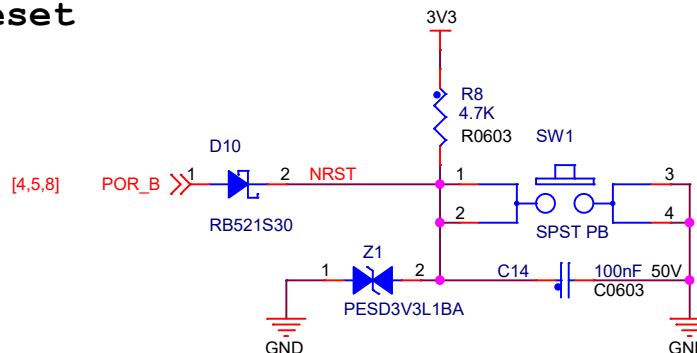


[4,8] SD1_CD >> UART1_RTS

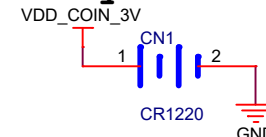
User led



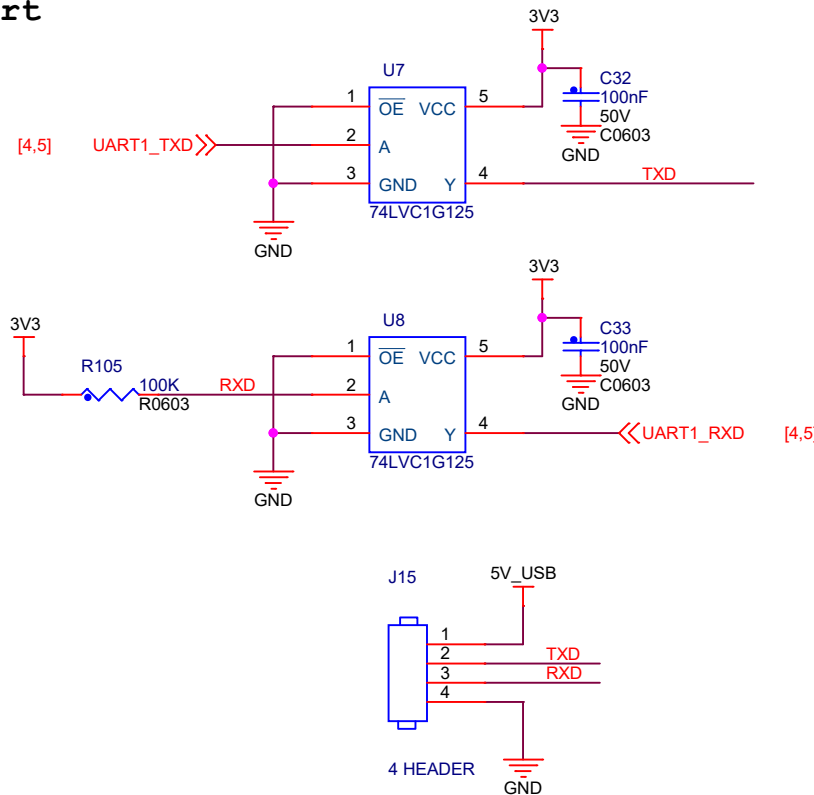
Reset



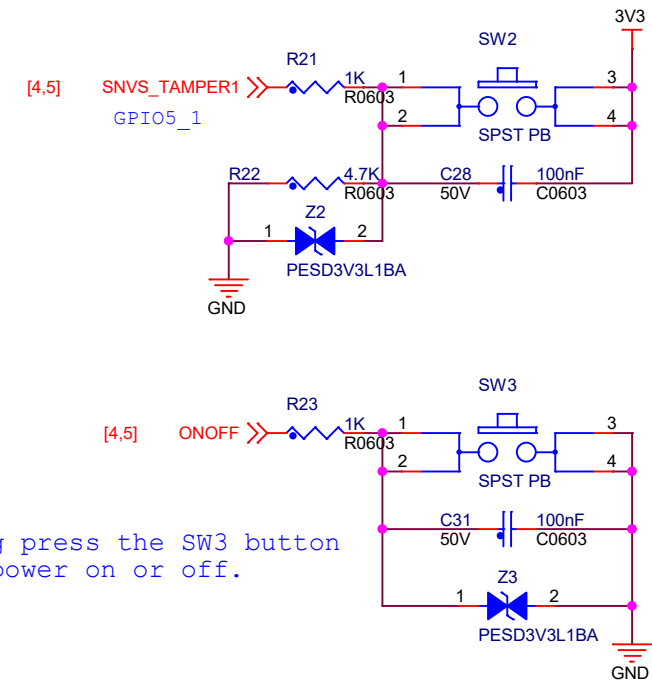
RTC battery



Serial port



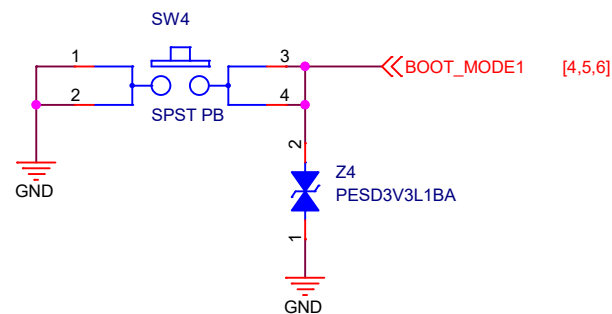
Key



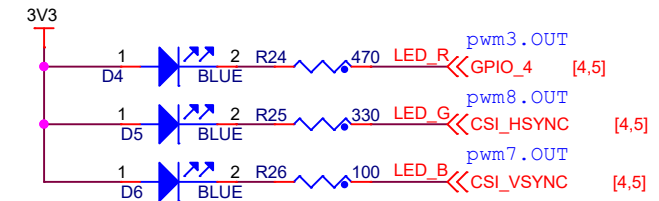
Long press the SW3 button to power on or off.

Serial Burn Start Switch

Press the button and reset to enter serial burning mode



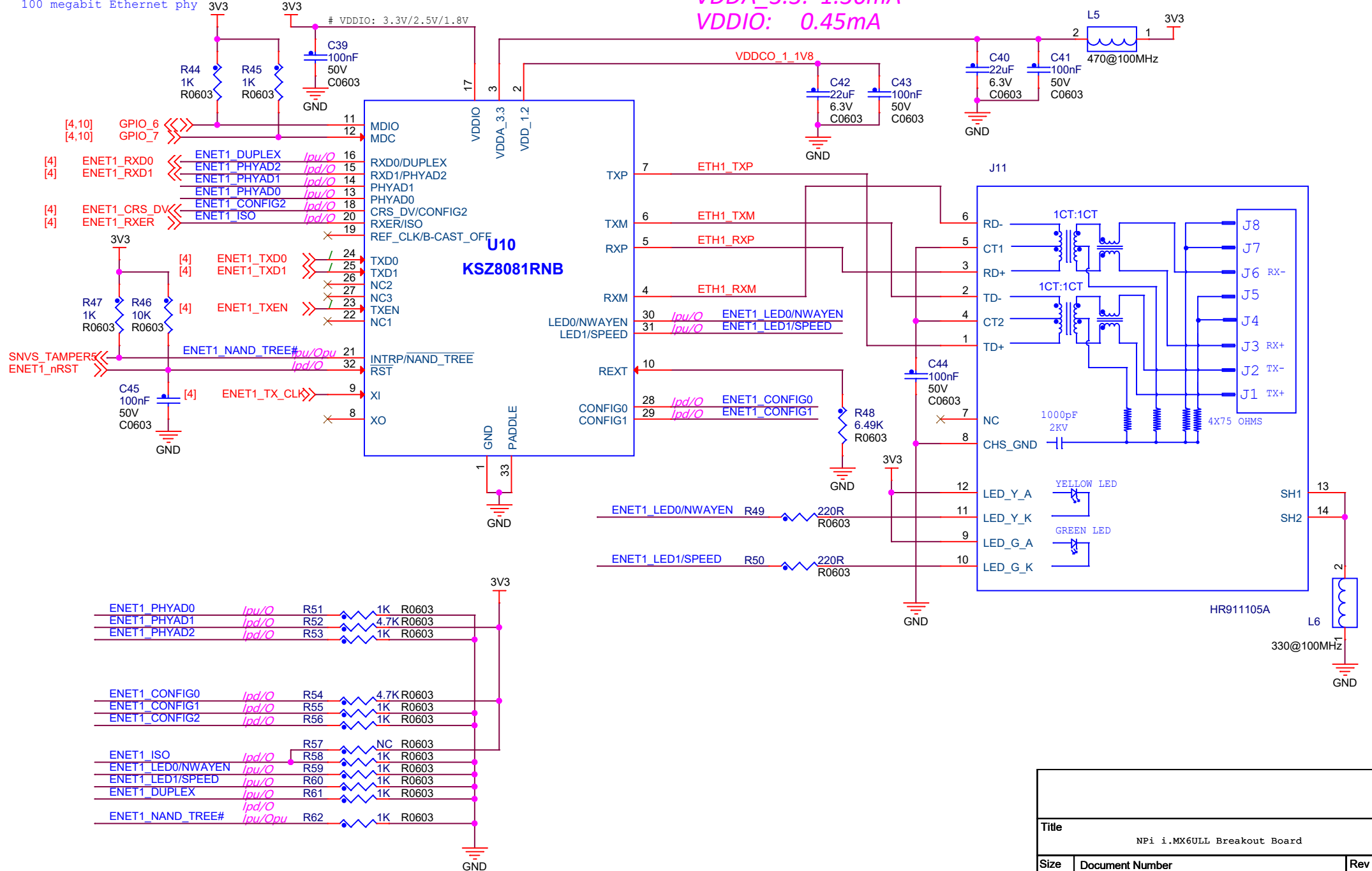
LED



Title		
NPi i.MX6ULL Breakout Board		
Size A4	Document Number USB turnstile/ Key/Led	Rev V1.0
Date:	Saturday, March 07, 2020	Sheet 7 of 10

Ethernet Interface 1

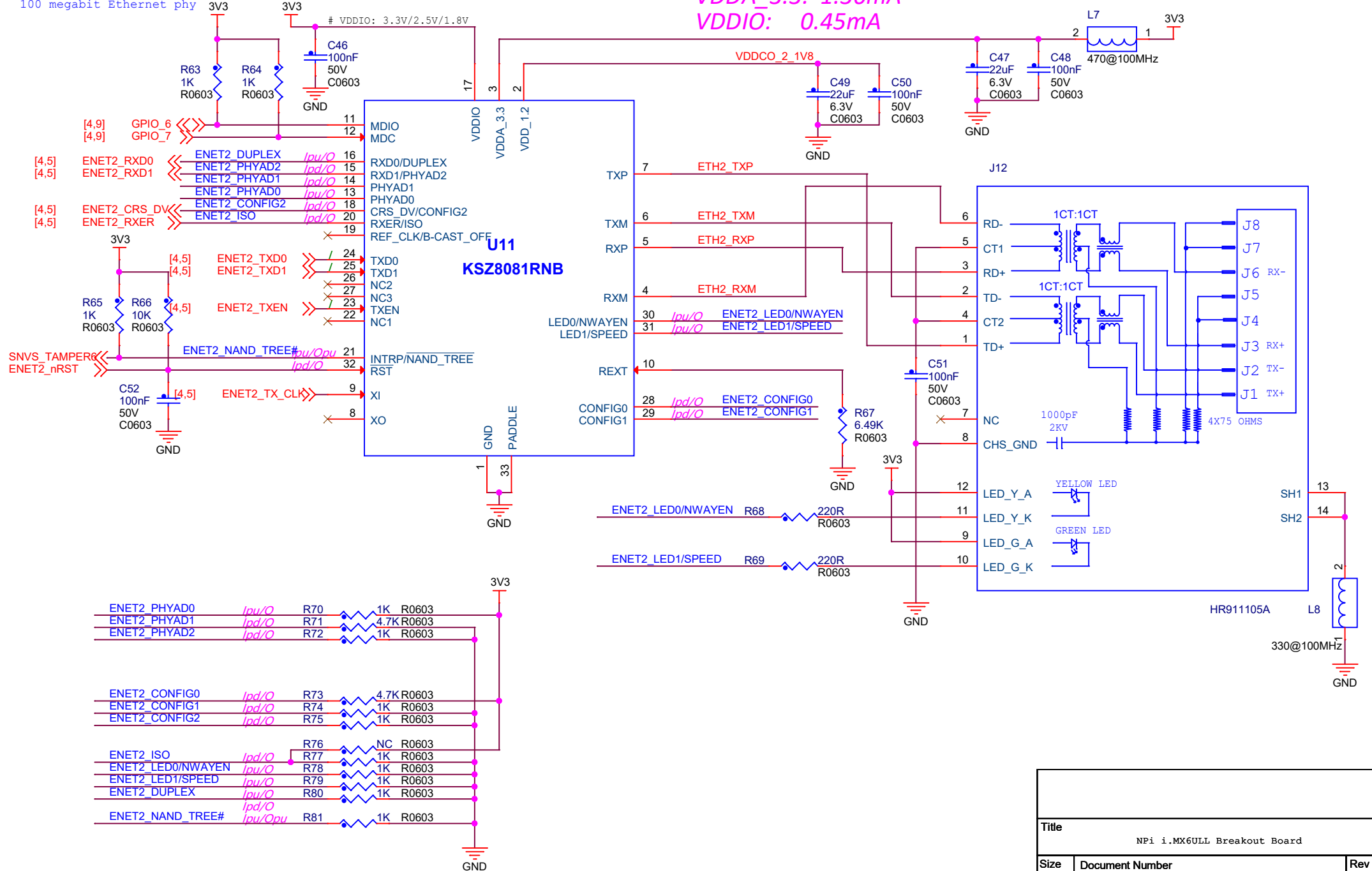
100 megabit Ethernet phy



Title		
NPi i.MX6ULL Breakout Board		
Size	Document Number	Rev
A4	Ethernet network x1	V1.0
Date:	Saturday, March 07, 2020	Sheet 9 of 10

Ethernet Interface 2

100 megabit Ethernet phy



Software Power-down Mode :
VDDA_3.3: 1.36mA
VDDIO: 0.45mA

Title		
NPi i.MX6ULL Breakout Board		
Size A4	Document Number Ethernet network x2	Rev V1.0
Date: Saturday, March 07, 2020	Sheet 10 of 10	