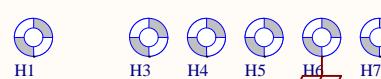
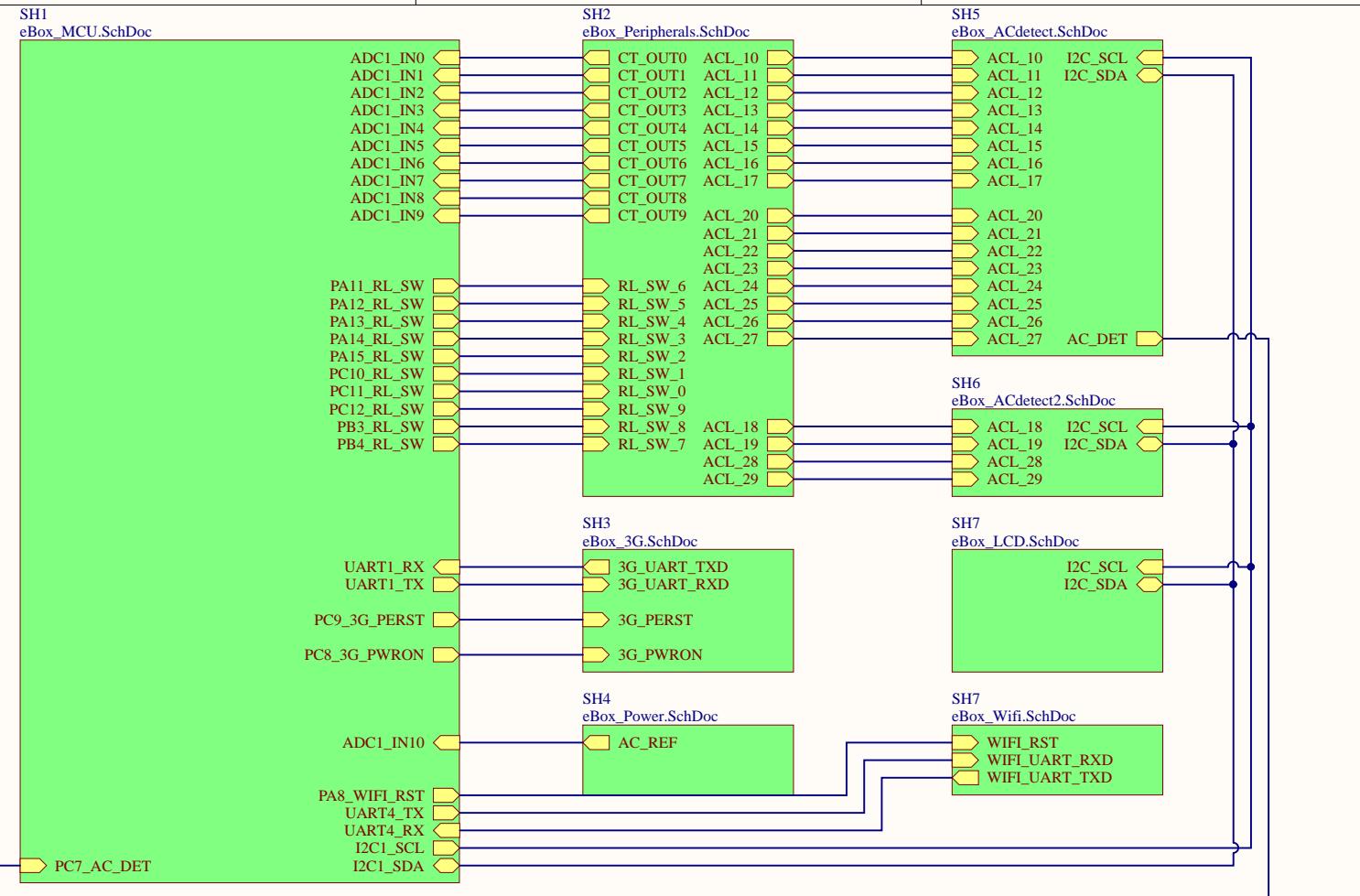
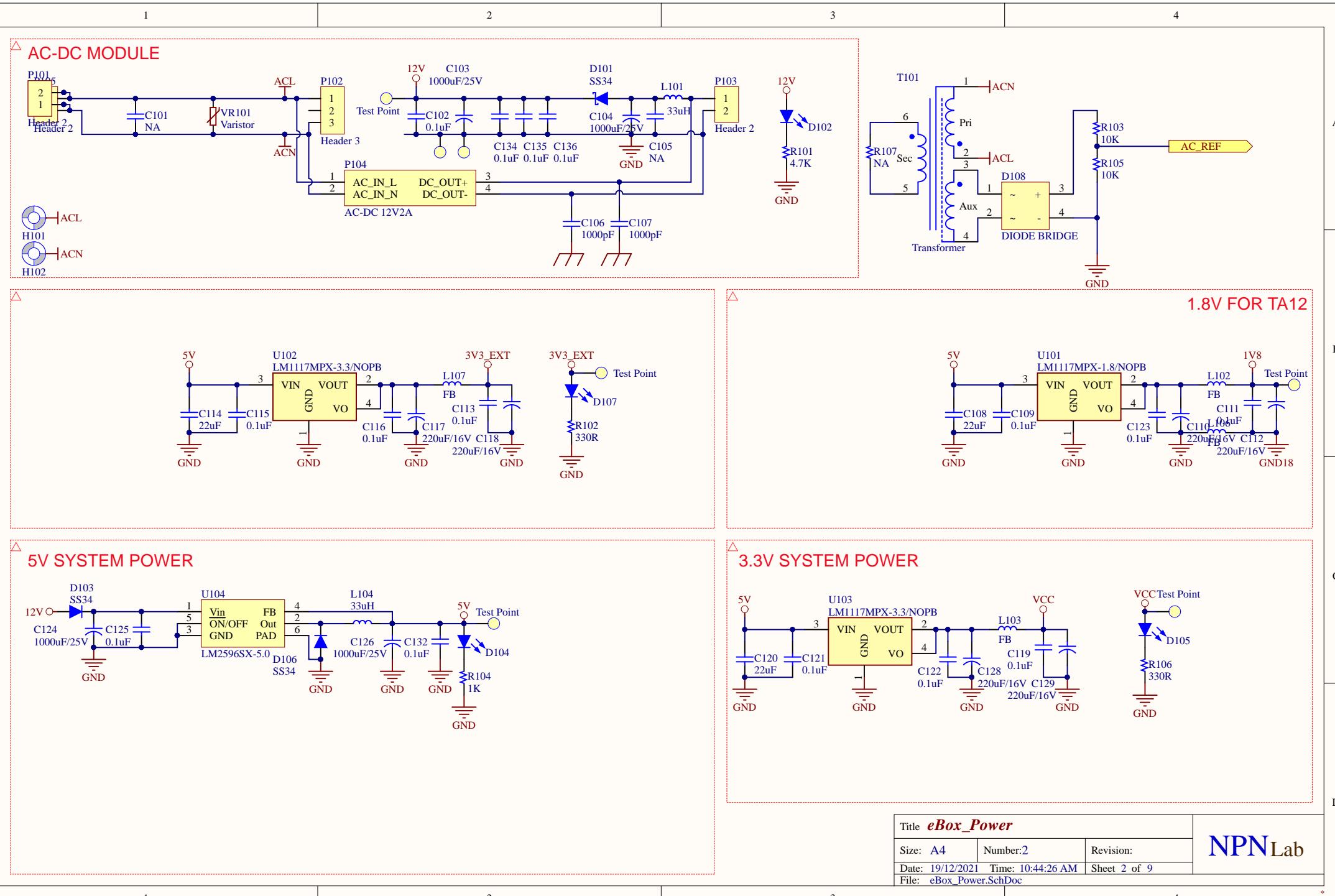


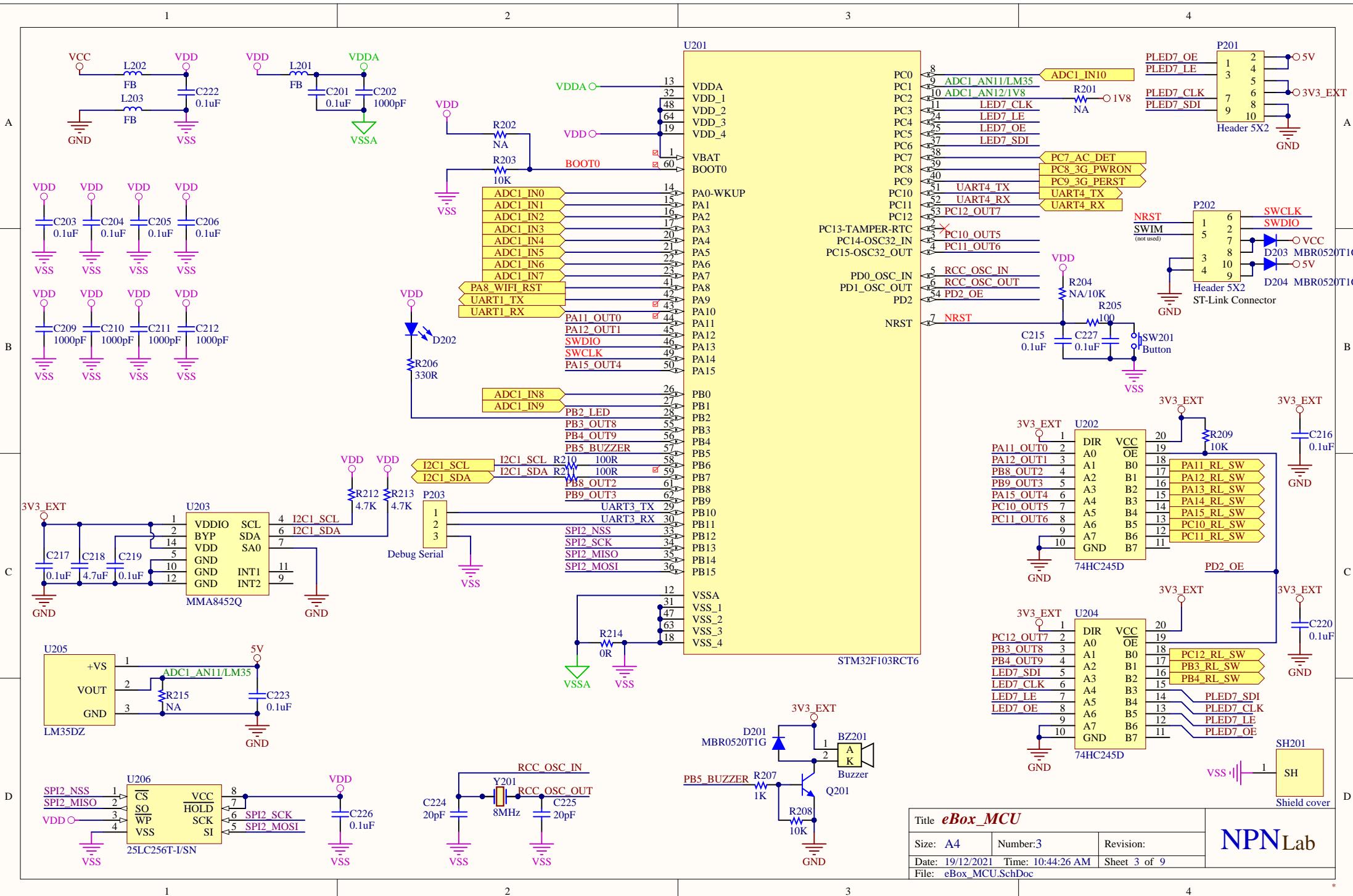
History		
Date (d/m/y)	Version	Note
02/12/2019	0.1	Draft version
A	0.2	<ul style="list-style-type: none"> - Add resistors for CTs - Add 1.8V power for CTs - Add buffer ICs for MCU - Replace single transistors by darlington transistors array. - Fixbug
	0.3	<ul style="list-style-type: none"> - Add LED signal for relay - Change CTs - Add feedback signals from AC ports - Add WAKE-UP pin for 3G module
	0.4	<ul style="list-style-type: none"> - Add Buzzer - Add PCB document - Fixbug
	0.5	<ul style="list-style-type: none"> [x] Thêm chân nạp cho STM32 [x] Chính số cho nguồn 3G (R1,R2) hoặc recommend cái nào thì tò dò [x] Thêm test point cho máy chở nguồn 12v, 3v3, 1v8 [x] Đèn led blink trạng thái chân B2 [x] Sim 5320 cũng ra hàng rào hoặc test point uart để test
	0.6	<ul style="list-style-type: none"> - Add PCB layout
24/12/2019	0.7	<ul style="list-style-type: none"> - Fix bug
27/02/2020	1.0	-
25/05/2020	2.0	<ul style="list-style-type: none"> - Pre-mass production (20 pcs)
C	2.1	<ul style="list-style-type: none"> - Keep CTs 1 to 8 is 5A the same, the others change to 10A - Add wifi modules ESP-01 and ESP-05. Just use only one, the other for backup. - Bigger screw hole for more easy assembly - Fix the transformer footprint

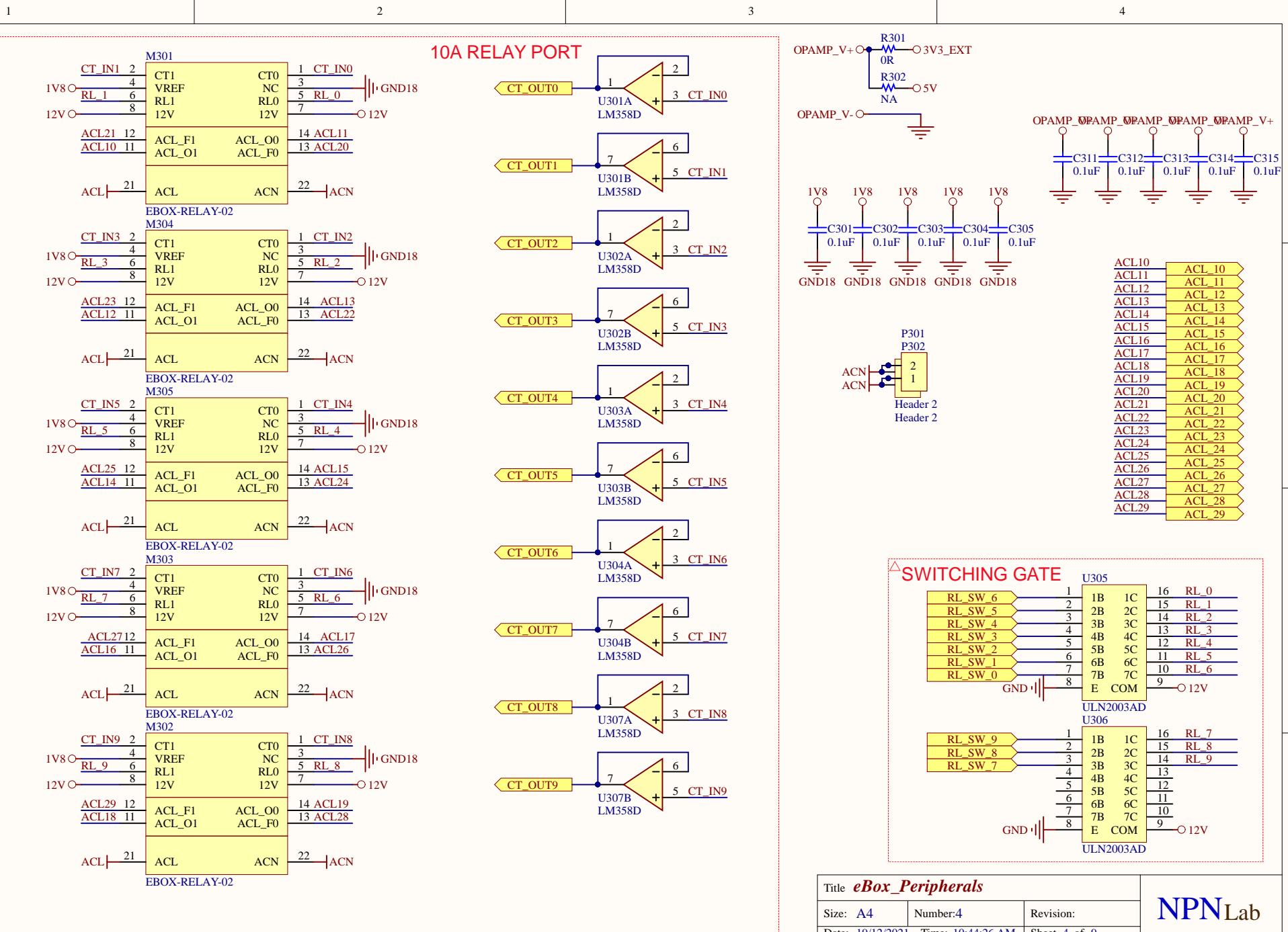
Title **eBox_Notes**

Size: A4	Number: 1	Revision:
Date: 19/12/2021	Time: 10:44:25 AM	Sheet 1 of 9
File: eBox_Notes.SchDoc		

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A

A

B

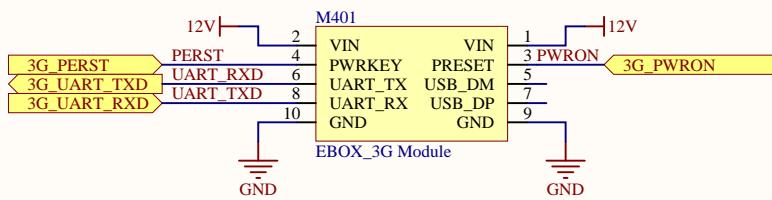
B

C

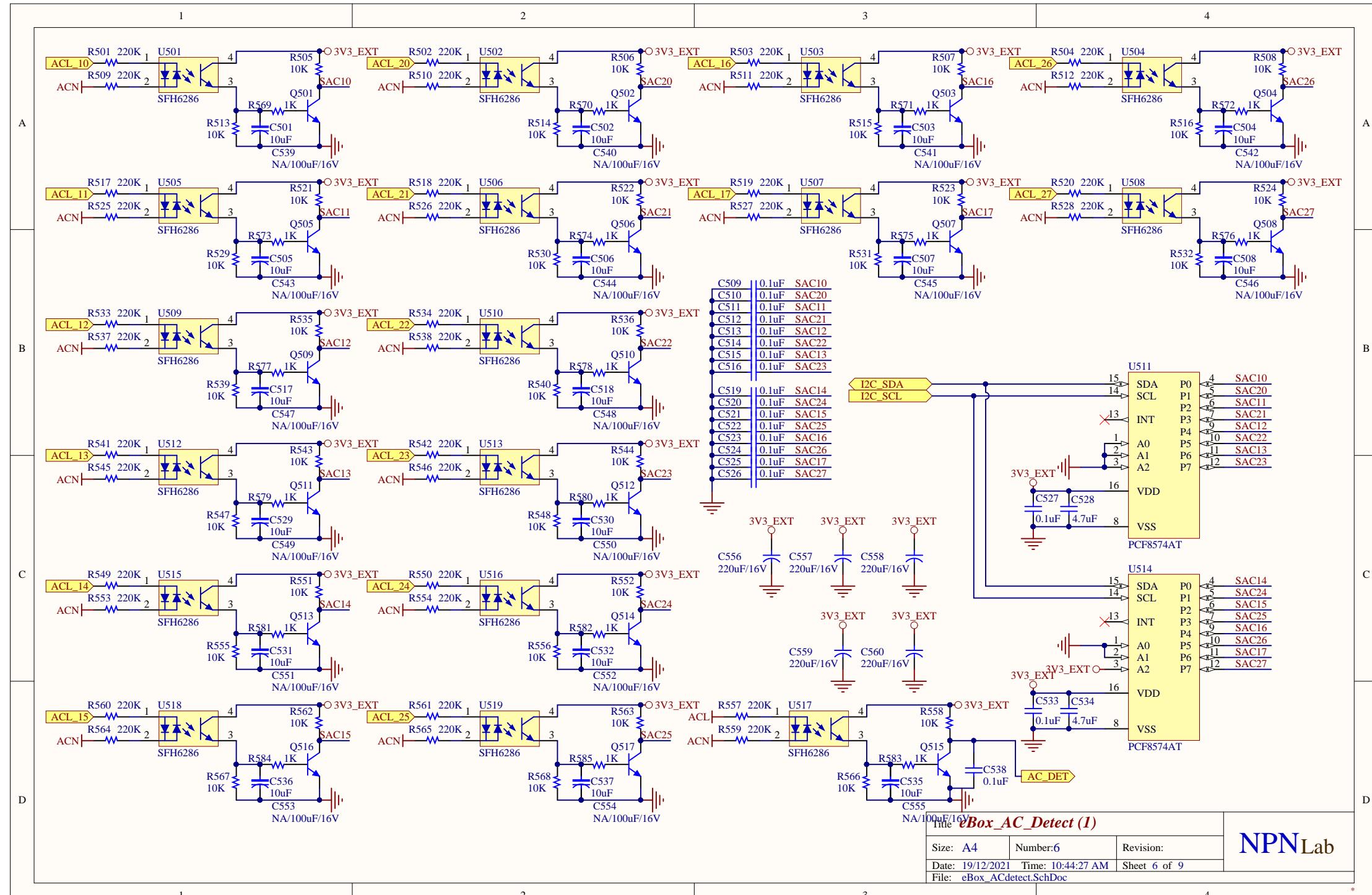
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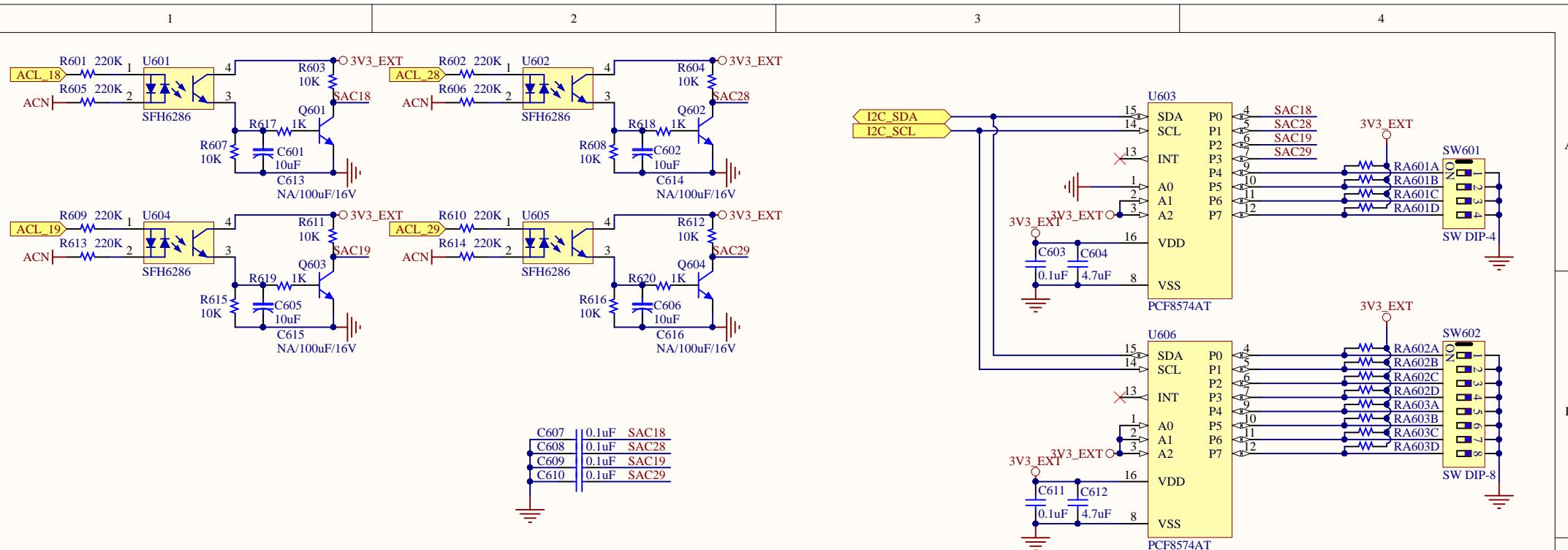
D

D



Title eBox_3G		
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Date: 19/12/2021	Time: 10:44:27 AM	Sheet 5 of 9
File: eBox_3G.SchDoc		NPN Lab





Title eBox_AC_Detect (2)		
Size: A4	Number: 7	Revision:
Date: 19/12/2021	Time: 10:44:27 AM	Sheet 7 of 9
File: eBox_ACdetect2.SchDoc		

NPN Lab

A

A

B

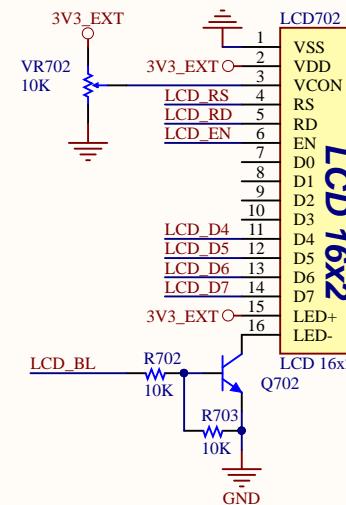
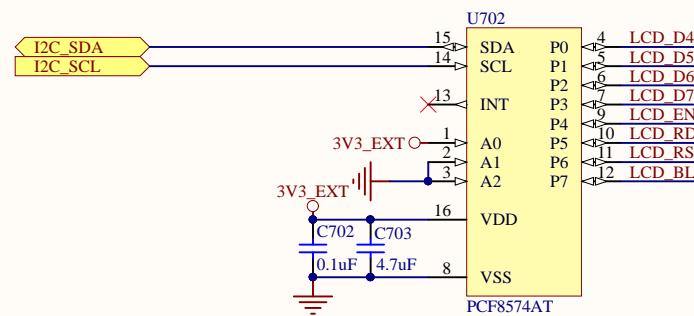
B

C

C

D

D

Title **eBox_LCD**

Size: A4	Number: 8	Revision:
Date: 19/12/2021	Time: 10:44:28 AM	Sheet 8 of 9
File: eBox_LCD.SchDoc		

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