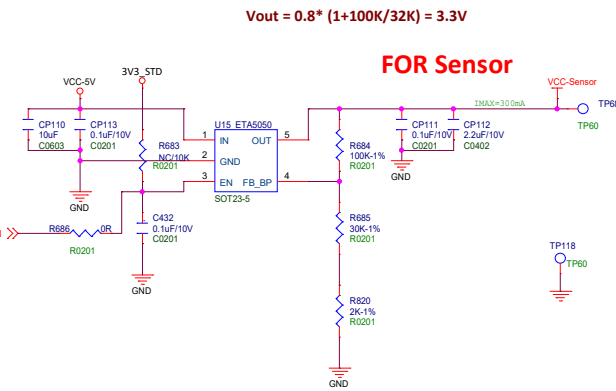
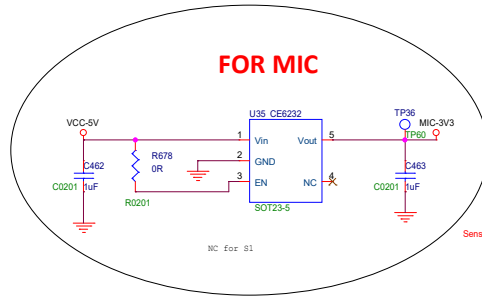
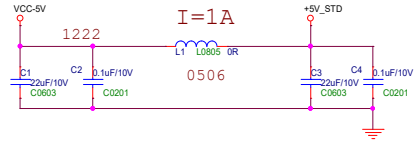
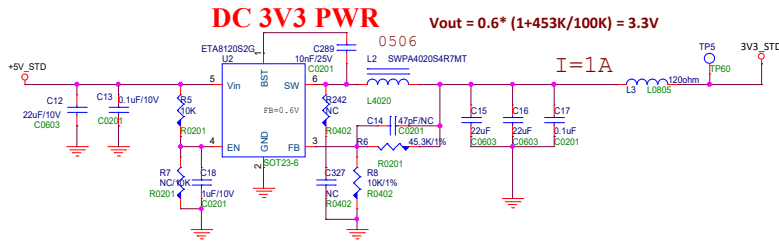


Revision			
REV	DESCRIPTION	DATE	APPROVED
V0.1	Demo	2023.12.28	
V0.2	First Release	2024.2.18	
V0.3	Adjust the sequence of terminal blocks, add TX/RX to the connector, and optimize part of the circuitry.	2024.4.24	
V1.0	Replace the TOF with a millimeter-wave radar solution, add power failure detection, and add ine NTC circuit.	2025.03.28	

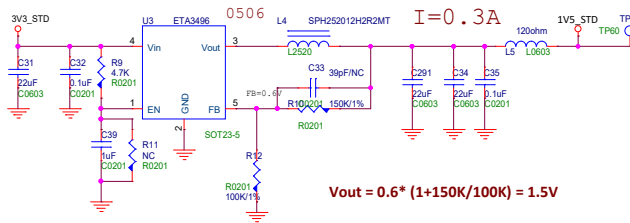
HW Company			
Project: NPD0324AIR01US-MAIN		Title: 01 VERSION HISTORY	
Design by: Forward		Size: B	Sheet 1 of 16
Checked by:		Rev:V0.3	Date: Sunday, September 28, 2025



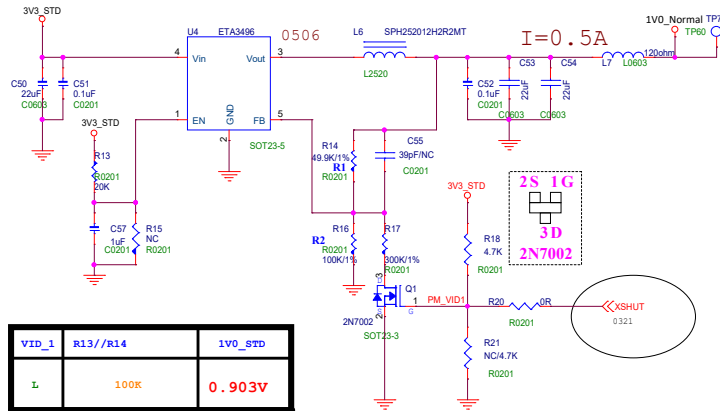
- Power**
- VDD
 - DVDD_DDR
 - VDD_DRAM
 - AVDD_HD
 - AVDD_AUD
 - AVDD_USB
 - AVDD_ETH
 - AVDD_XTAL
 - AVDD_PLL
 - VDDP_1
 - VDDP_2
 - VDDP_3
 - VDDP_4



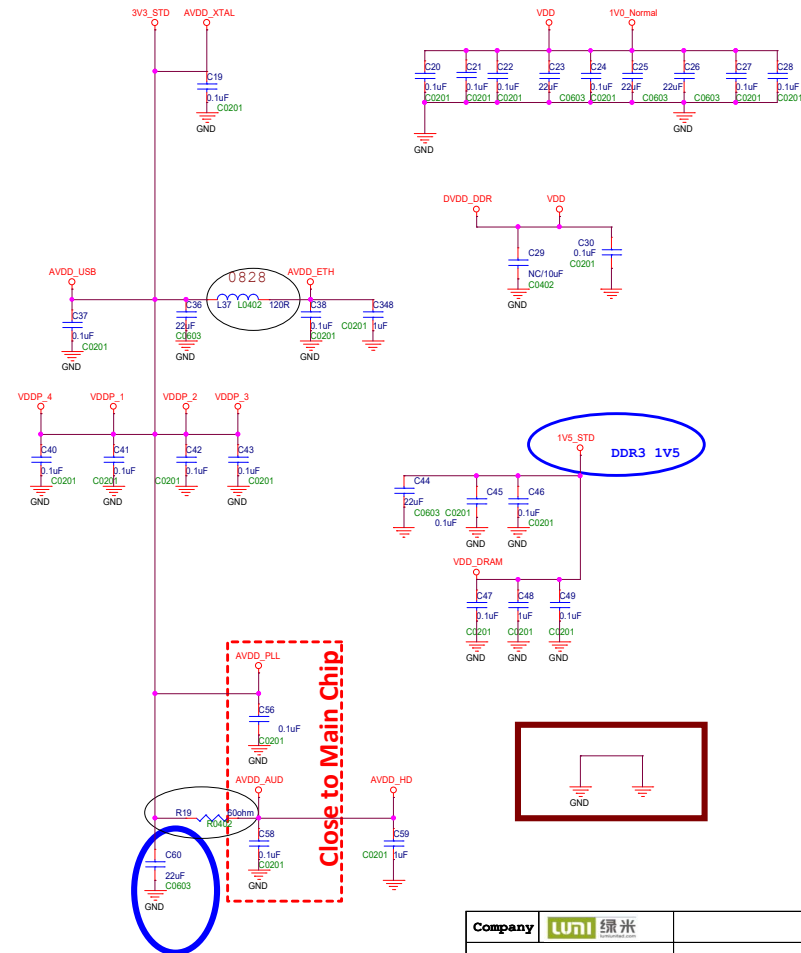
DC 1V5 DDR3 PWR (Internal)



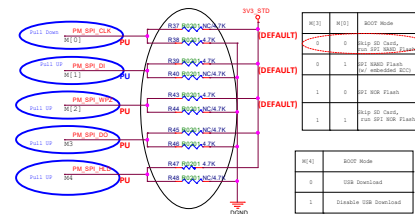
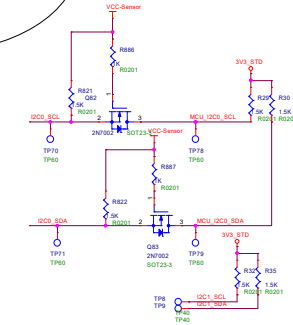
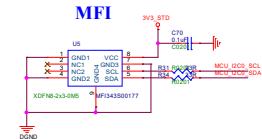
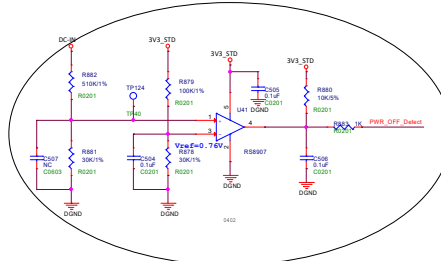
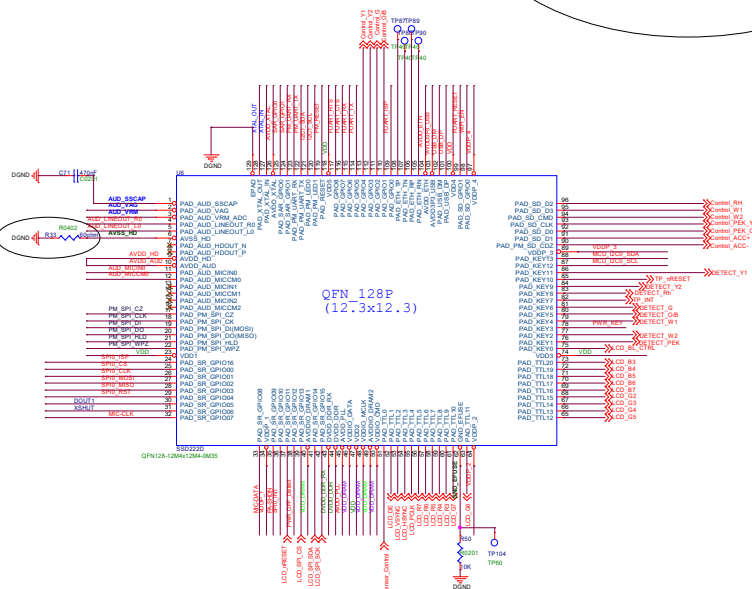
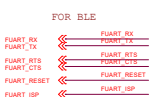
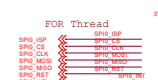
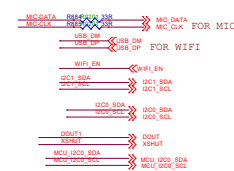
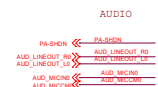
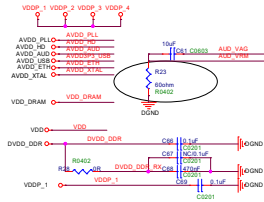
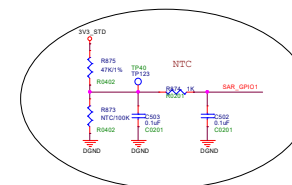
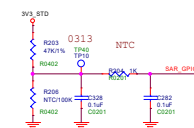
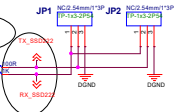
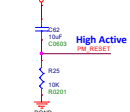
DC 1V0 Core Power



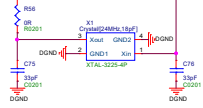
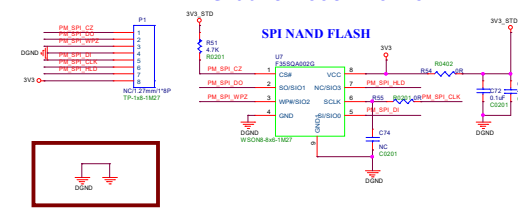
VID_1	R13/R14	1V0 STD
L	100K	0.903V
H	100K//300K	1.005V



Company	Luni 绿米	Title: 03 POWER	
Project:	NP00324IR01US-MAIN	Size: C	Sheet: 3 of 16
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Checked by:	HW		

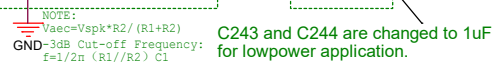
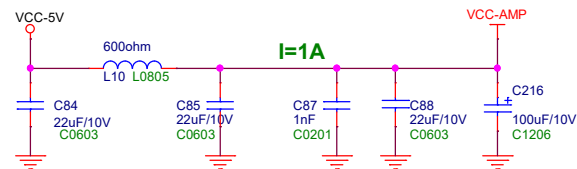


3V3 STD 5/3 STD



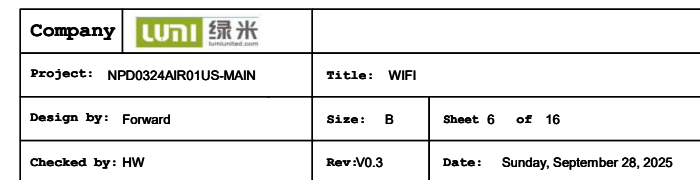


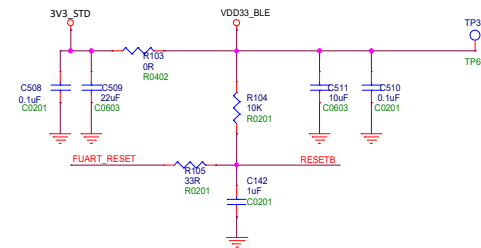
SPEAKER



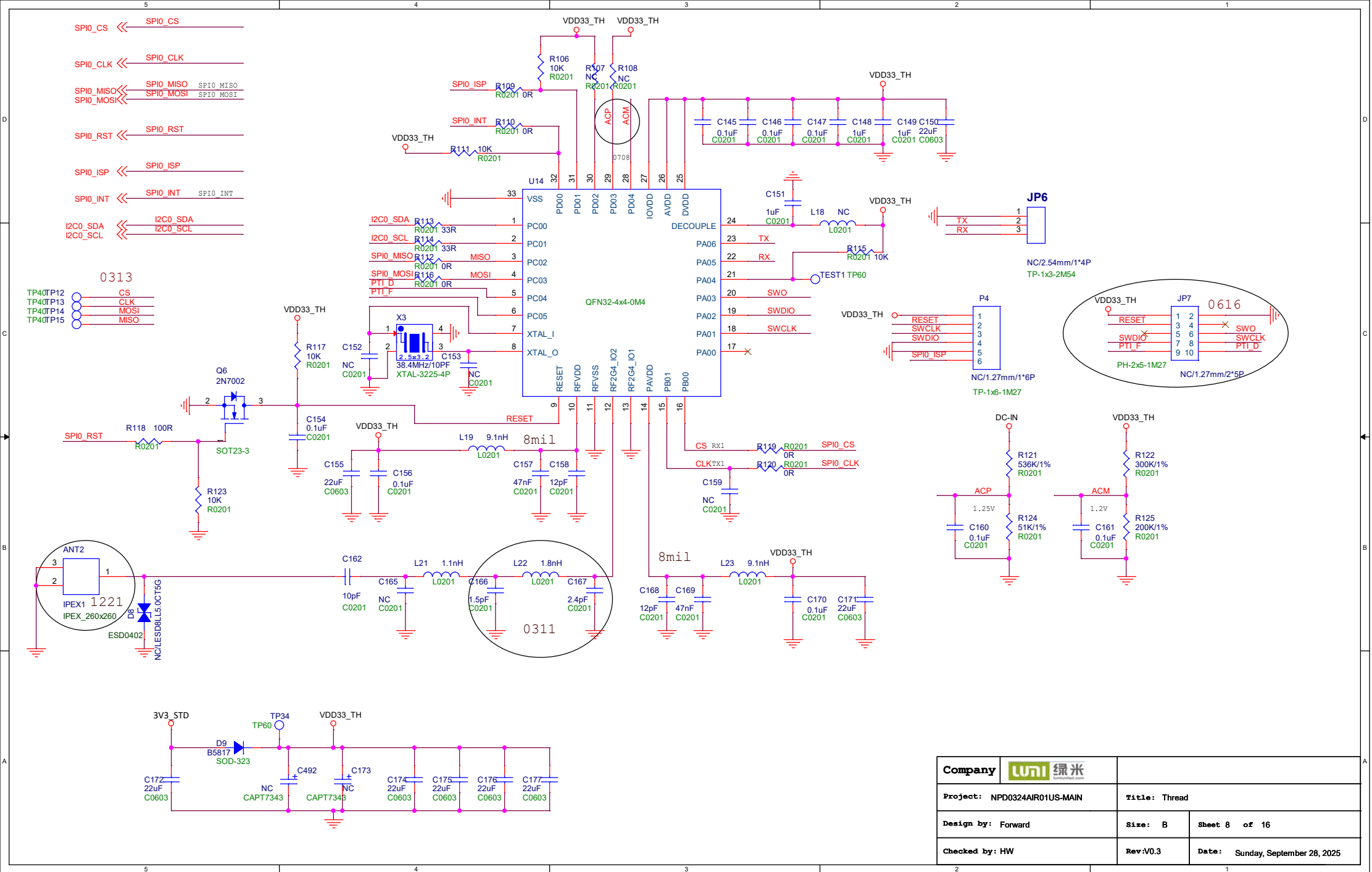
C243 and C244 are changed to 1uF for lowpower application.

Company	 绿米 LOWE HUA MI		
Project: NPD0324AIR01US-MAIN		Title: 05 AUDIO	
Design by: Forward		Size: B	Sheet 5 of 16
Checked by: HW		Rev: V0.3	Date: Sunday, September 28, 2025

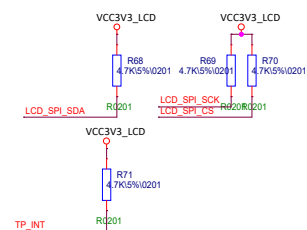
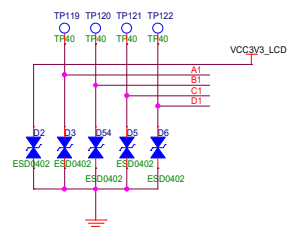
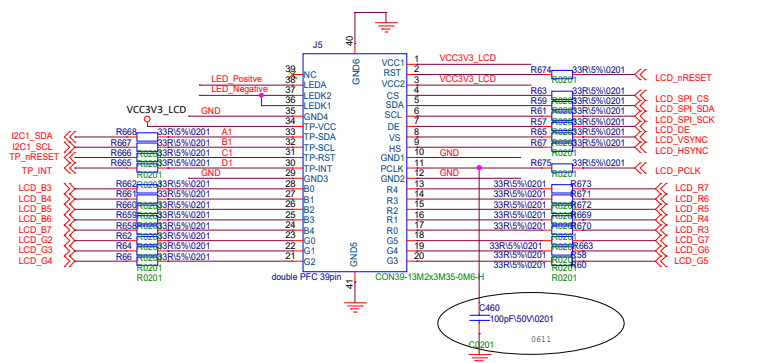
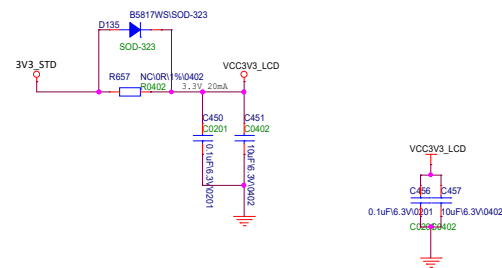
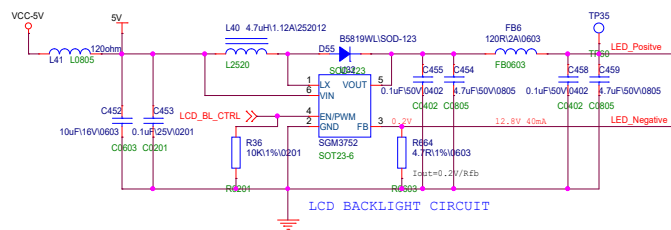


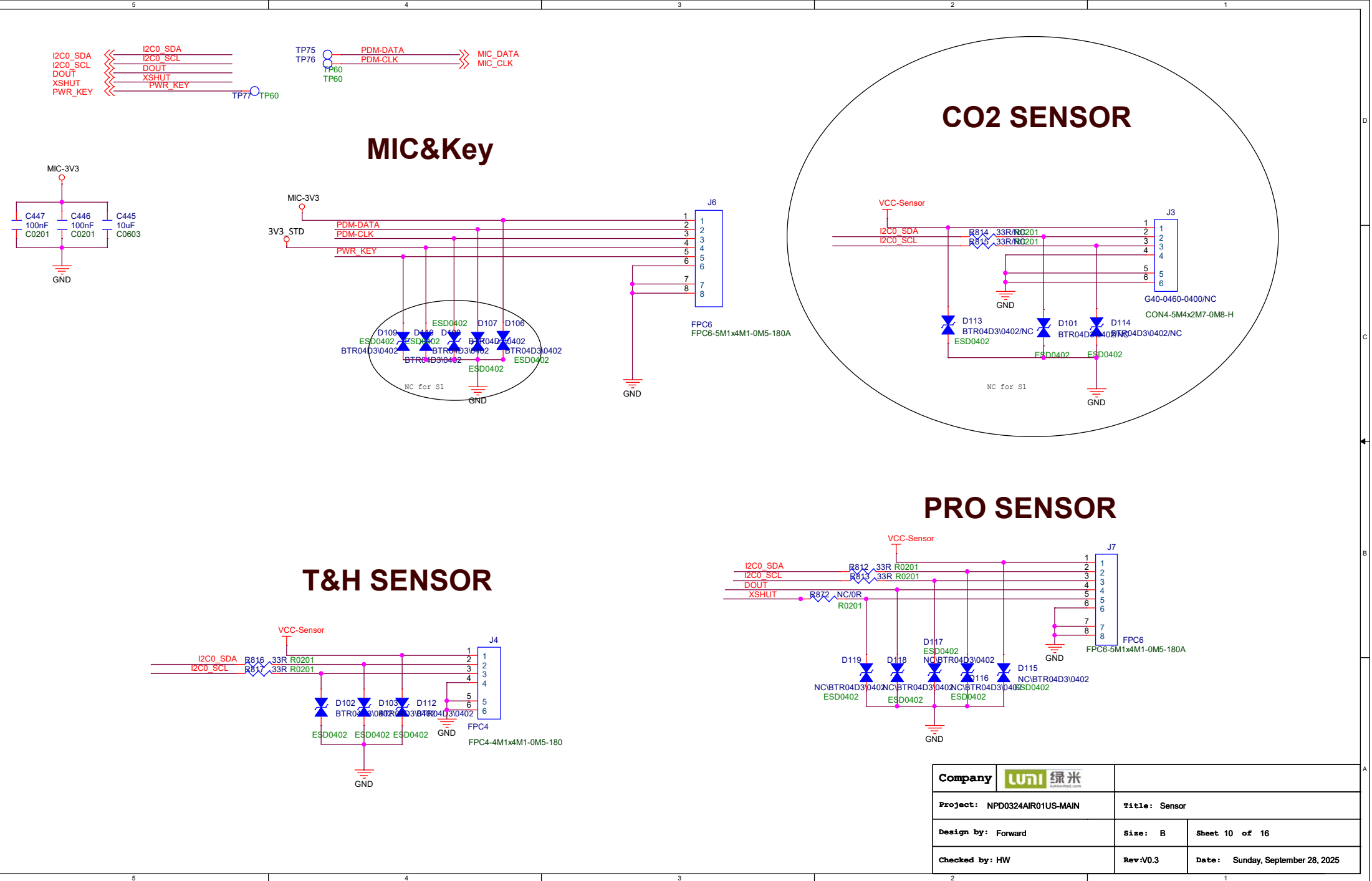


Company 			
Project: NPD0324/R01/US-MAIN		Title: BLE	
Design by: Forward		Size: C	Sheet 7 of 16
Checked by: HW		Rev: V0.3	Date: Sunday, September 28, 2025



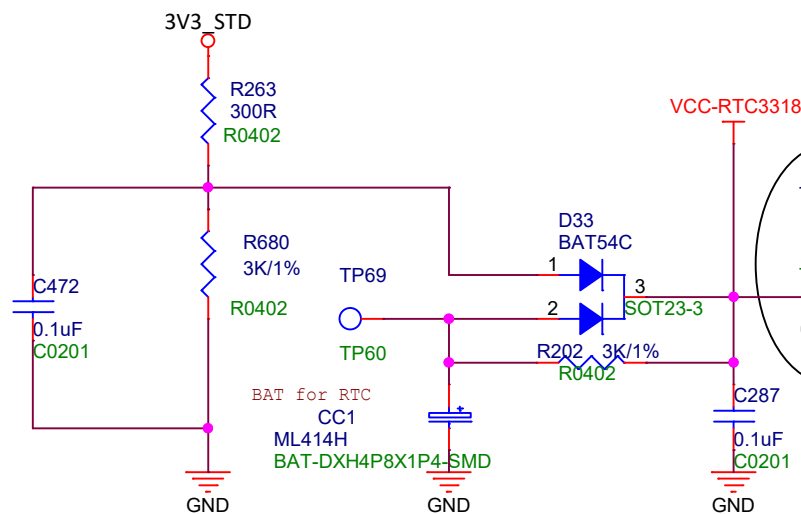
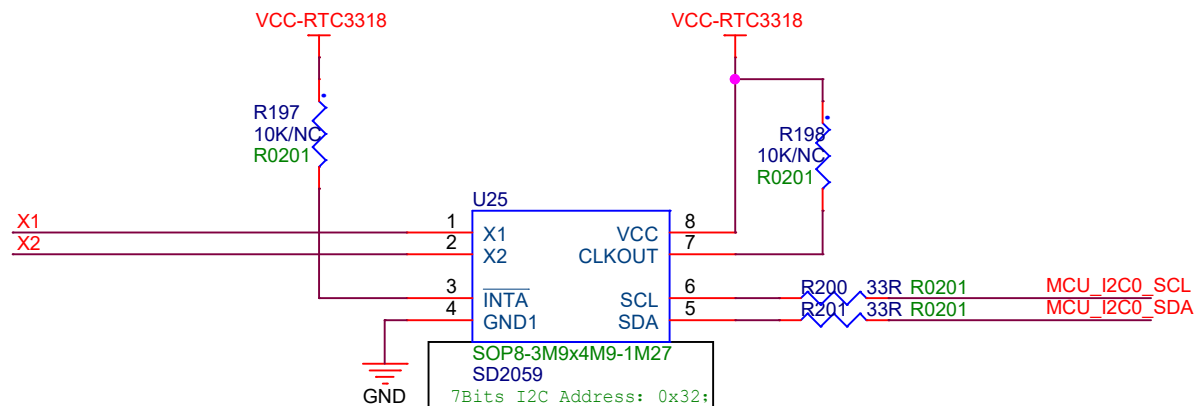
Company		Lumi 绿米	
Project: NPD0324AIR01US-MAIN		Title: Thread	
Design by: Forward		Size: B	Sheet 8 of 16
Checked by: HW		Rev:V0.3	Date: Sunday, September 28, 2025





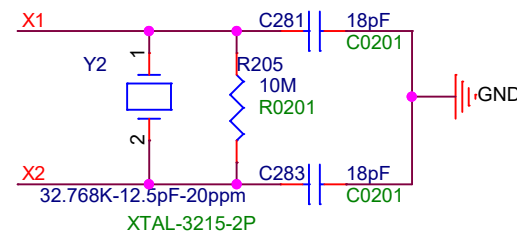
Company	 绿米	
Project:	NPD0324AIR01US-MAIN	
Design by:	Forward	Title: Sensor
Checked by:	HW	Size: B
		Sheet 10 of 16
	Rev:V0.3	Date: Sunday, September 28, 2025

RTC



OSC-32K

OSC-32K



Company



Project: NPD0324AIR01US-MAIN

Title: RTC

Design by: Forward

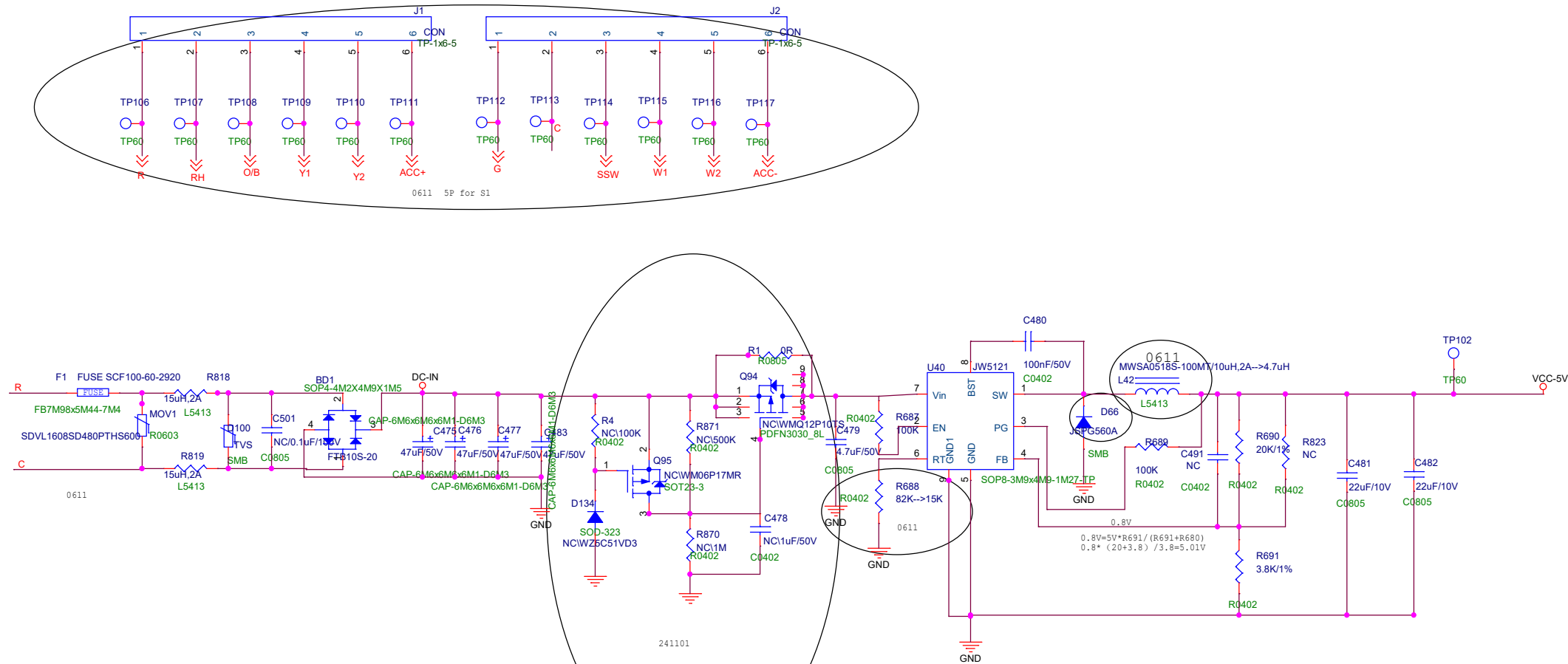
Size: A

Sheet 11 of 16

Checked by: HW

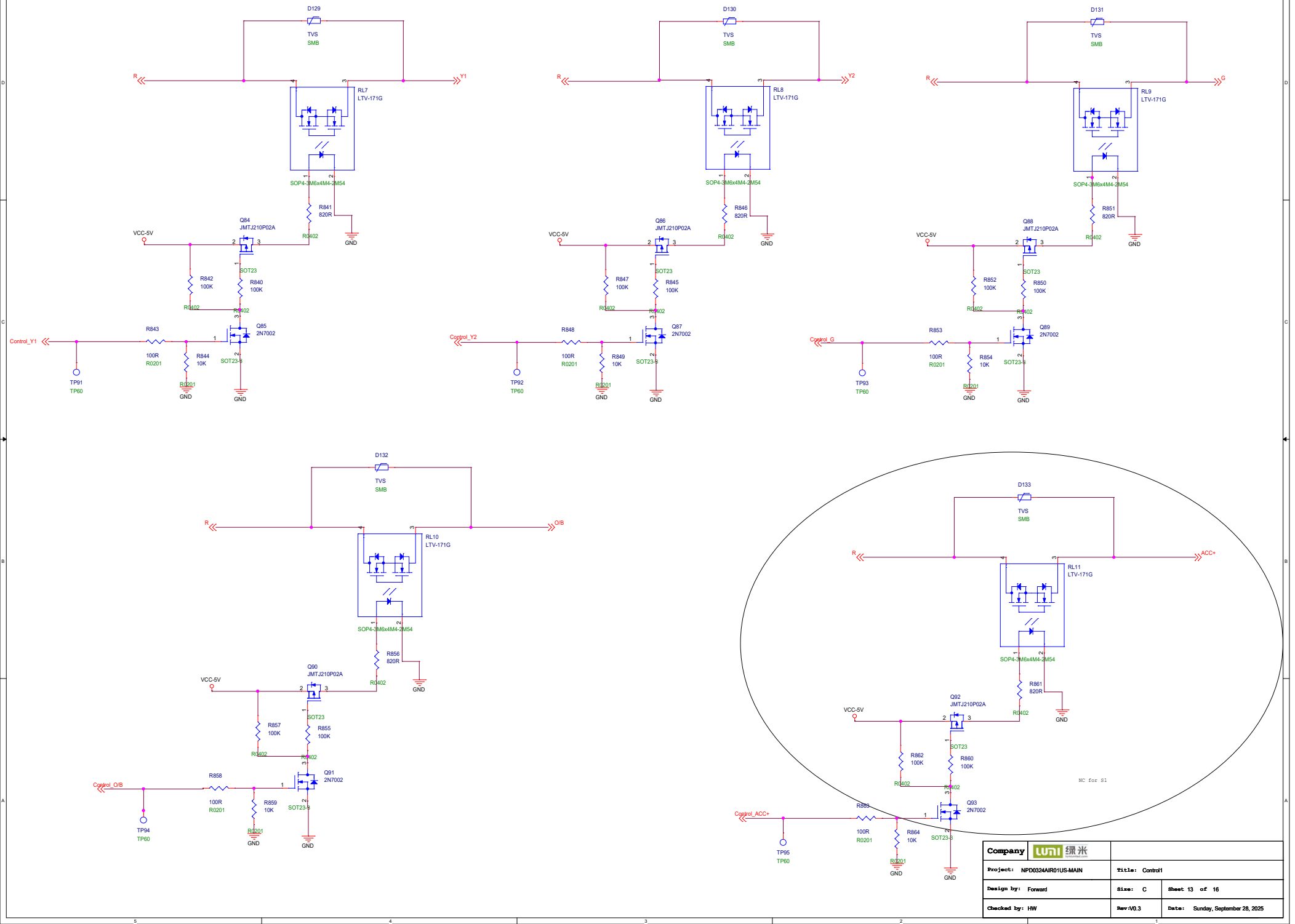
Rev:V0.3

Date: Sunday, September 28, 2025



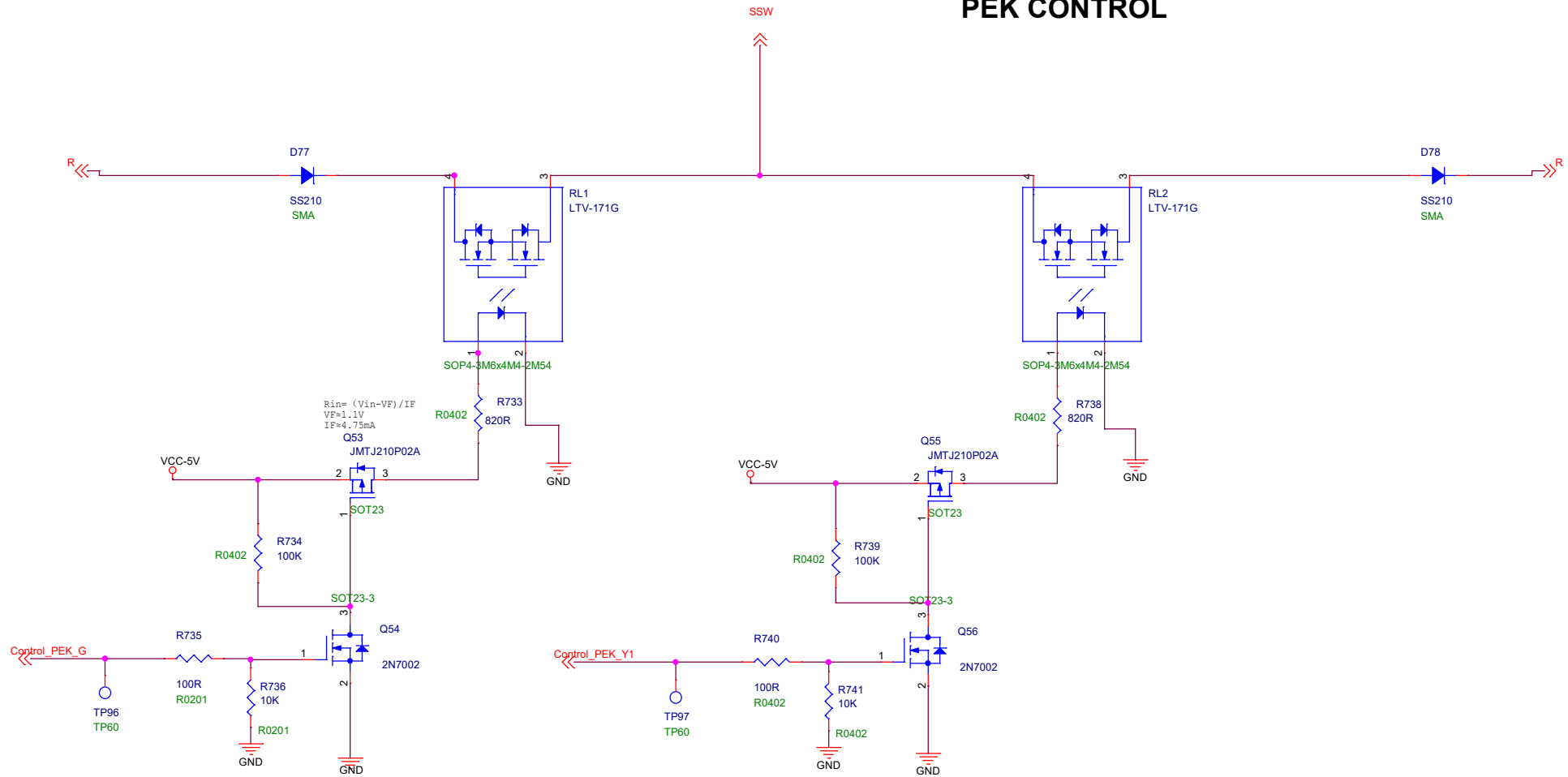
Company		LUN 绿米	
Project: NPD0324AIR01US-MAIN		Title: AC_Power	
Design by: Forward		Size: B	Sheet 12 of 16
Checked by: HW		Rev:V0.3	Date: Sunday, September 28, 2025

CONTROL 1



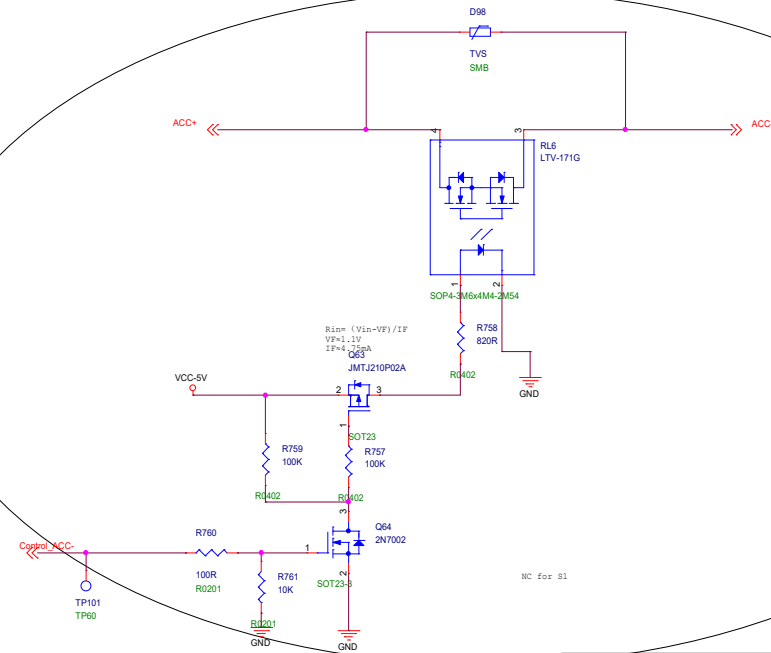
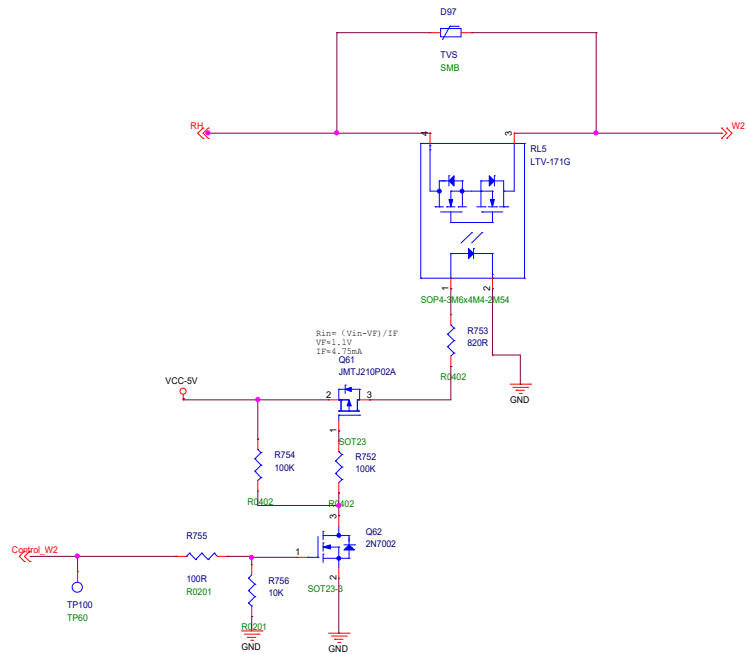
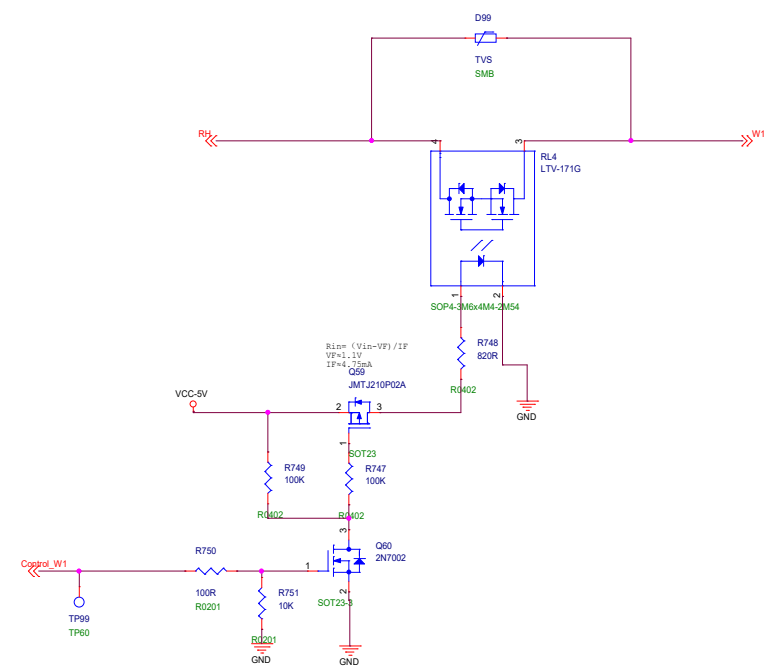
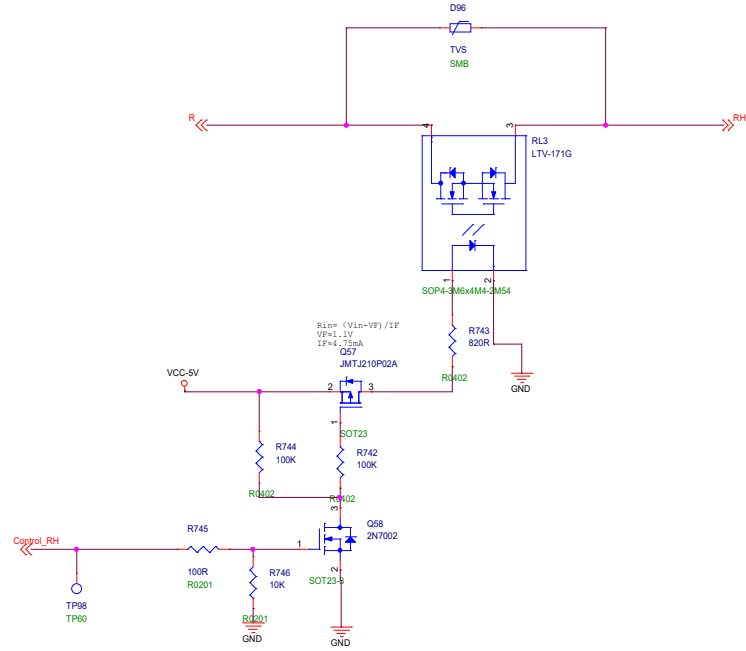
Company lumi 绿米		Title: Control1	
Project: NP0032AIR01US-MAIN		Size: C	Sheet 13 of 16
Design by: Forward		Rev: V0.3	Date: Sunday, September 28, 2025
Checked by: HW			

PEK CONTROL



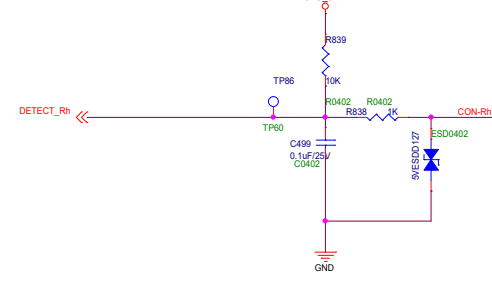
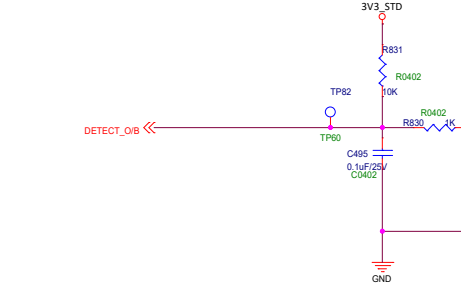
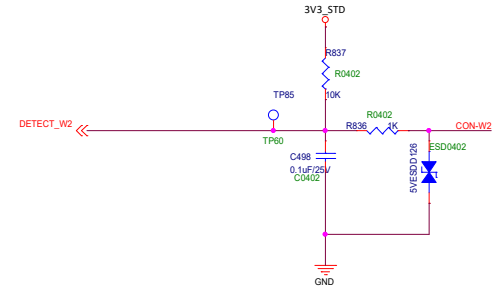
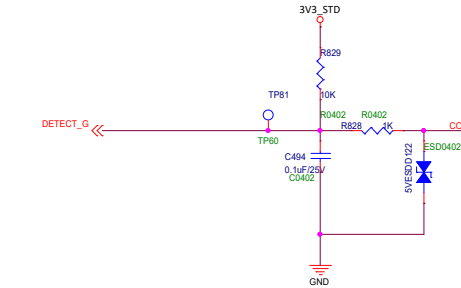
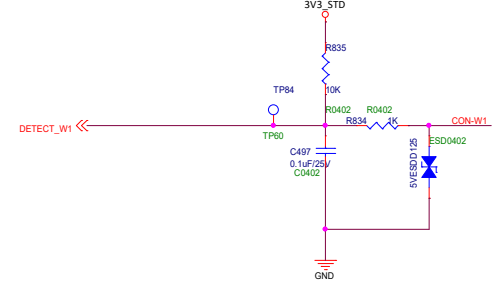
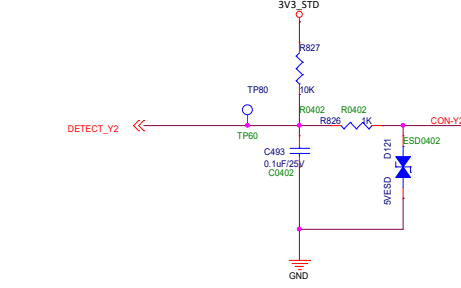
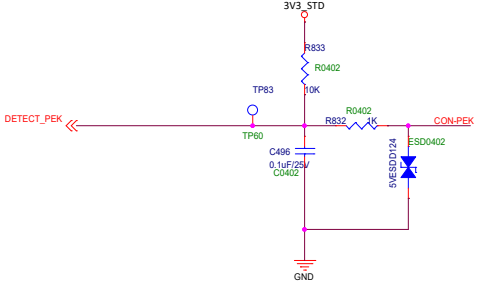
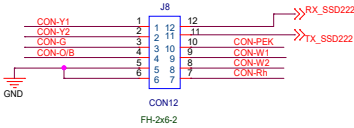
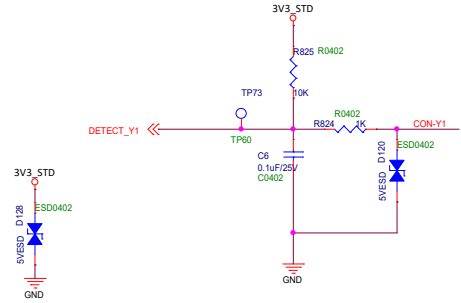
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Project: NPD0324AIR01US-MAIN		Title: PEK_Control	
Design by: Forward		Size: B	Sheet 14 of 16
Checked by: HW		Rev: V0.3	Date: Sunday, September 28, 2025

CONTROL 2



Company lumi 绿米		Title: Control2	
Project: NPD0324AIR01US-MAIN		Size: C	Sheet 15 of 16
Design by: Forward		Rev: V0.3	Date: Sunday, September 28, 2025
Checked by: HW			

CONNECTION DETECT



Company	Lumi 绿米	Title: Connection_Detect	
Project:	NPD0324AIR01US-MAIN	Size:	C
Design by:	Forward	Sheet:	16 of 16
Checked by:	HW	Rev:	0.3
		Date:	Sunday, September 28, 2025