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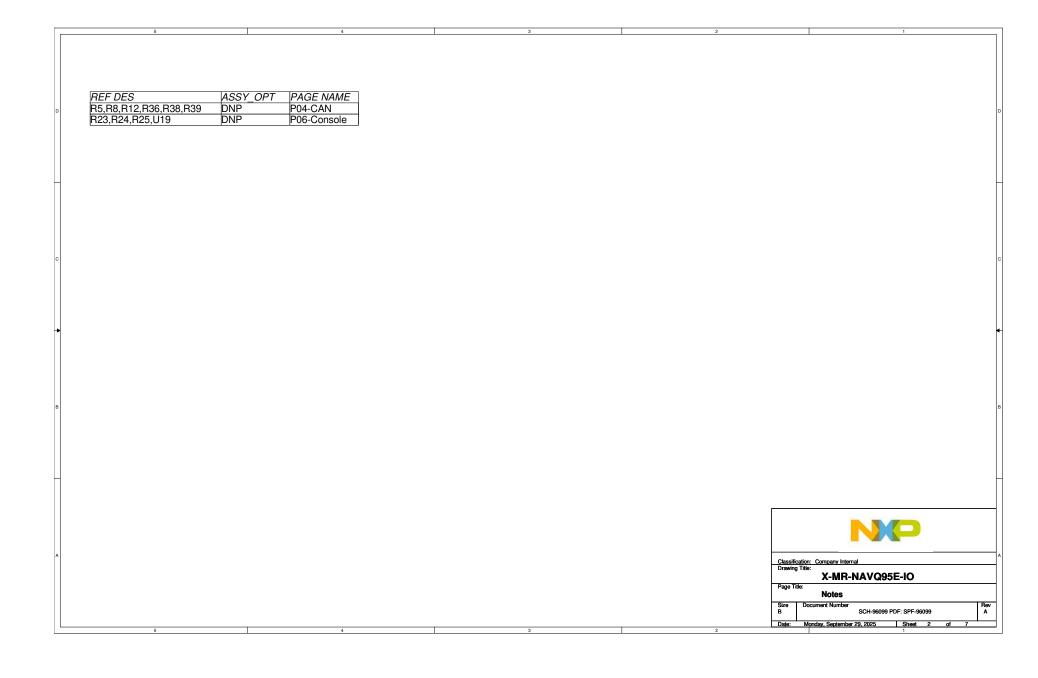
Revision History						
Rev.	Date	Ву	Description			
X0-X9	2025-09-11	YT (CTO SI)	Initial schematic development and format changes			
Α	2025-09-26	YT (CTO SI)	Schematic is released			



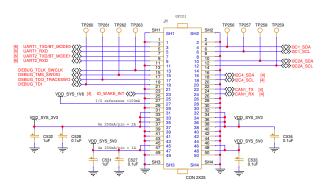
NOTES:

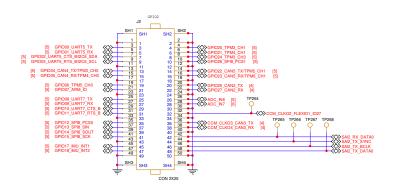
- 1. Interrupted lines coded with the same letter or letter combinations are electrically connected.
- 2. Device type number is for reference only. The number varies with the manufacturer.
- 3. Greyed out components indicate Do Not Populate (DNP) during assembly.
- 4. Special signal usage:
 _B denotes an active-low signal.
 _P and _N denote a differential signal.
- 5. Interpret diagram in accordance with American National Standards Institute specifications, current revision, with the exception of logic block symbology.
- 6. All SILK display properties will be in this color
- 7. All schematic annotations will be in this color

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Youri Tils	Drawing	Drawing Title: X-MR-NAVQ95E-IO			
	Page Title: Cover				
Drawn by: Youri Tils	Page Til				
	Page Til		Rev A		

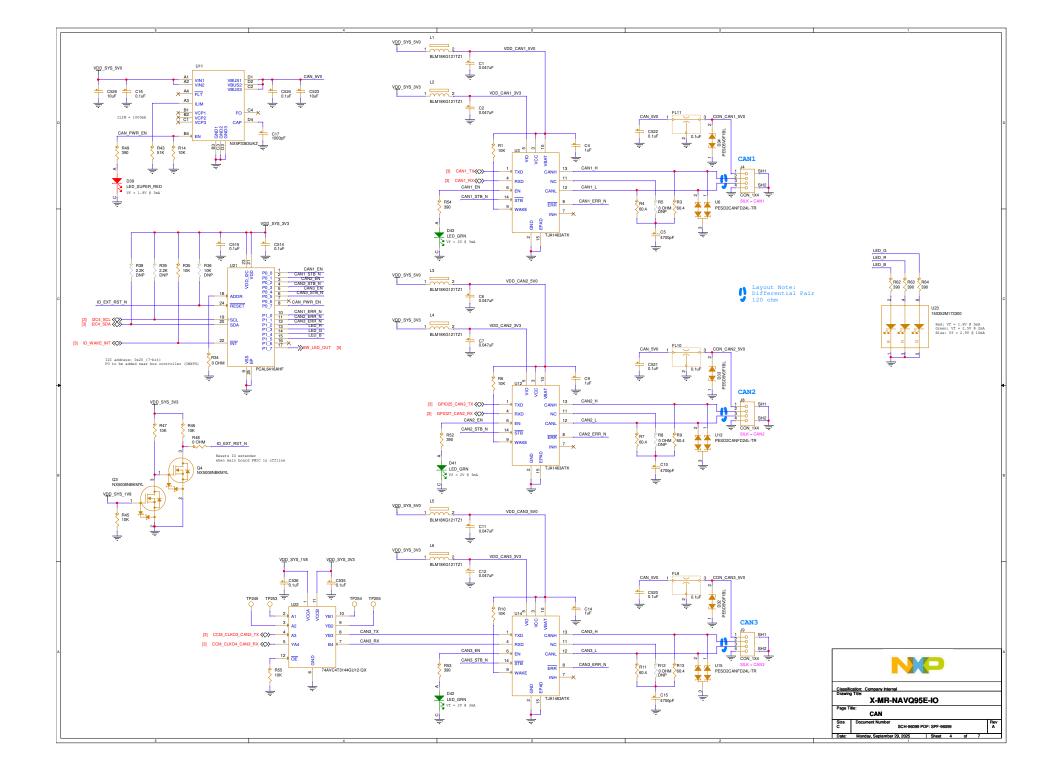


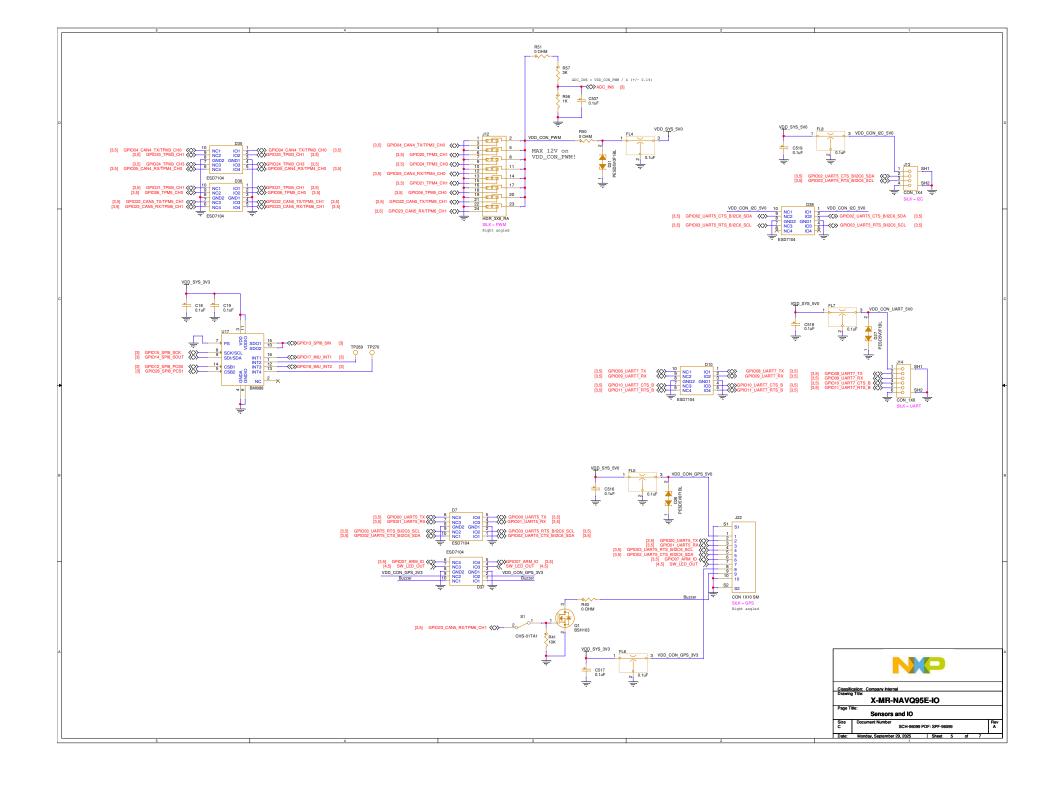


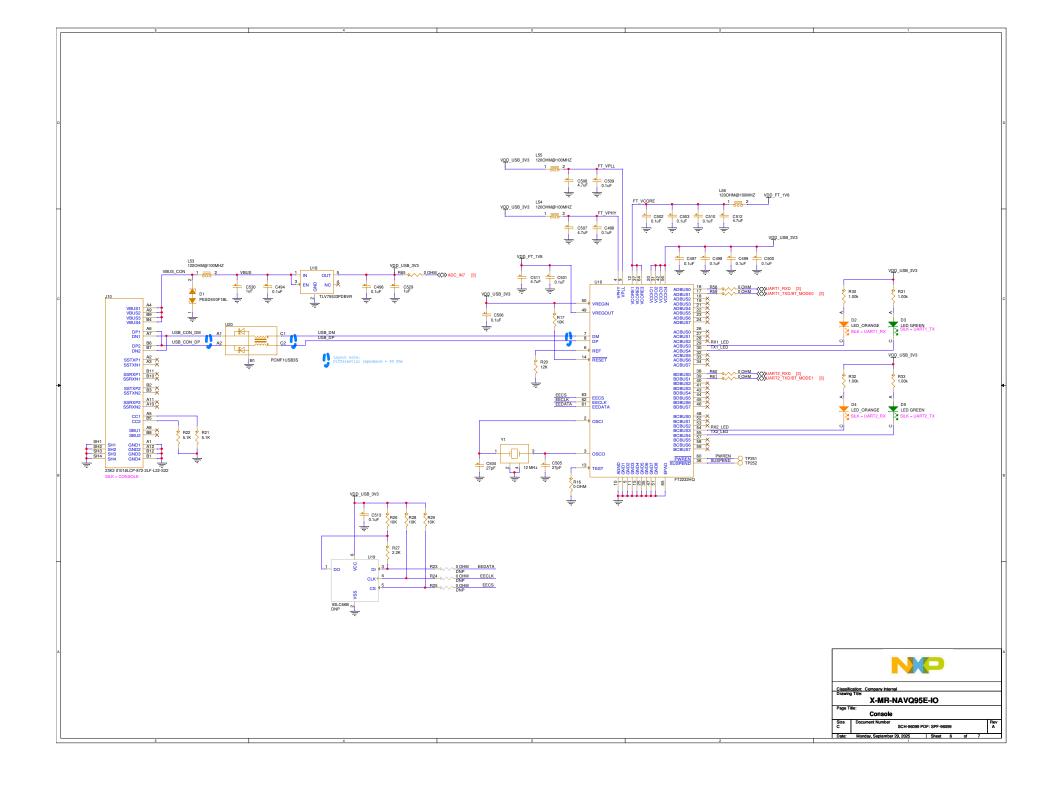












Changelog					
Rev.	Date	Ву	Description		
X0-X4	2025-09-11	YT (CTO SI)	Initial schematic development and format changes		
X5	2025-09-12	YT (CTO SI)	Changed 10p GPS connector to right-angle		
X6	2025-09-16	YT (CTO SI)	Removed 100nF at CAN VDD. Replaced TVS diodes near GPS and I2C connector with ESD7104. Limit USB current to 1A. Wired IO_WAKE_INT to IO extender. IO extender is now reset when main board PMIC is offline. Added net names to USB data lines. DNP part 93LC66B		
X7	2025-09-25	YT (CTO SI)	Corrected USB_DM net label. Added net labels to unnamed nets.		
X8	2025-09-25	YT (CTO SI)	Added RGB LED to CAN IO extender unused pins. Connected ADC. INx to PWM VDD and USB VDD. Added 0 ohm resistors at UART TX and RX. Added level shifter for CAN3 RX and TX lines. Added LEDs to CAN enable lines. Added toggle switch to GPS buzzer output.		
Х9	2025-09-25	YT (CTO SI)	Added 0R resistor between VDD_USB_3V3 and ADC_IN7		

