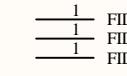
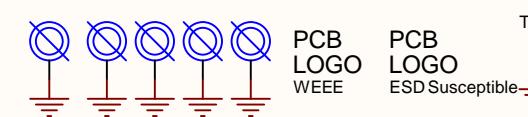
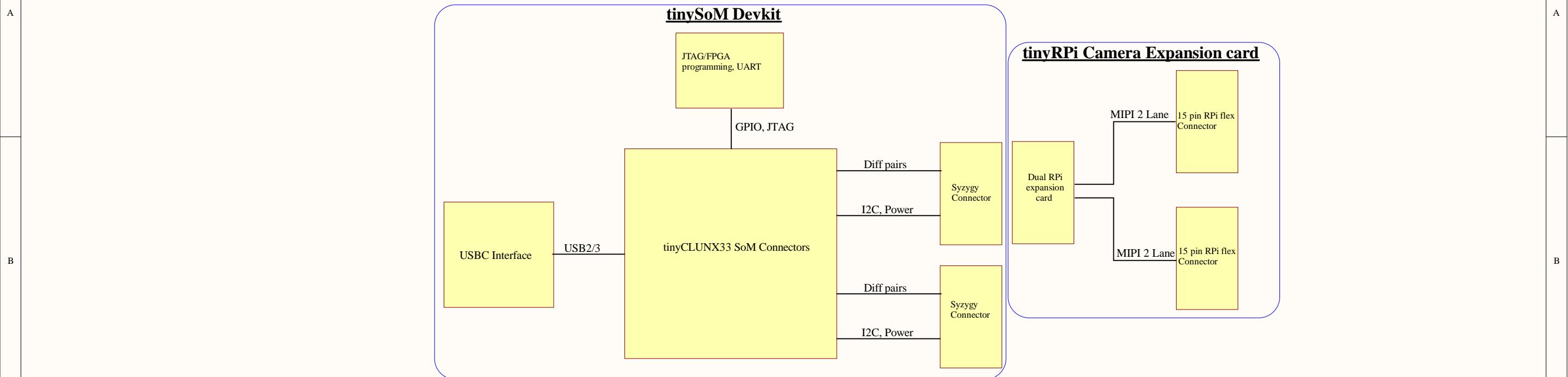


REV	Revision Notes	Designed by	Approved by	Date
1.0	Initial release	TinyVision	*	*
2.0	Rev2	TinyVision	*	*
3.0	Rev3	TinyVision	*	*



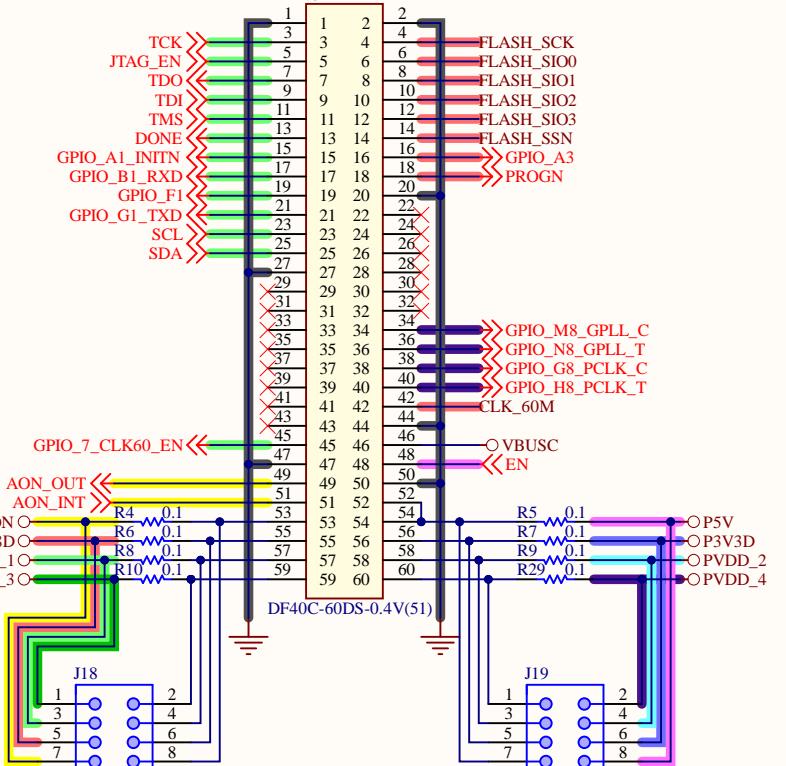
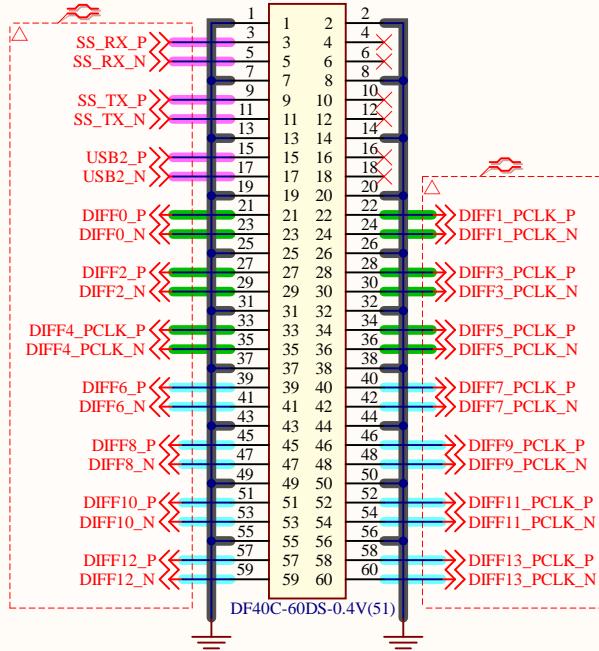
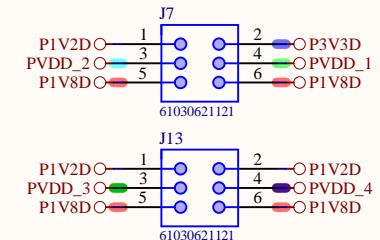
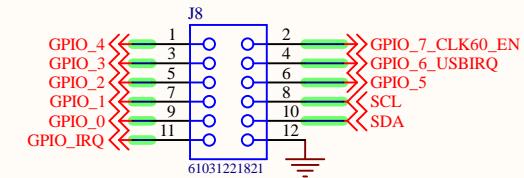
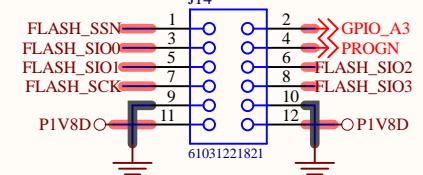
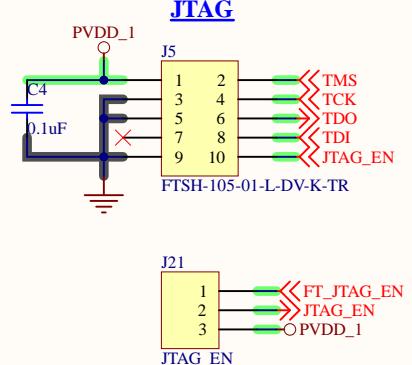
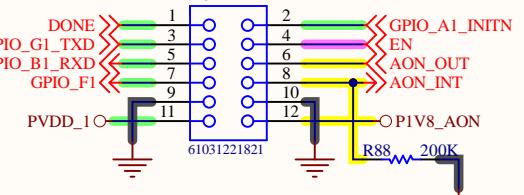
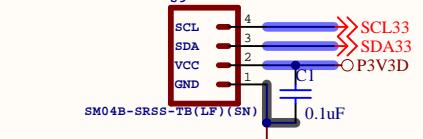
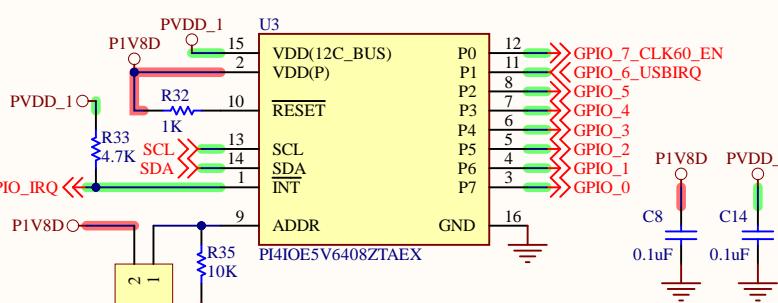
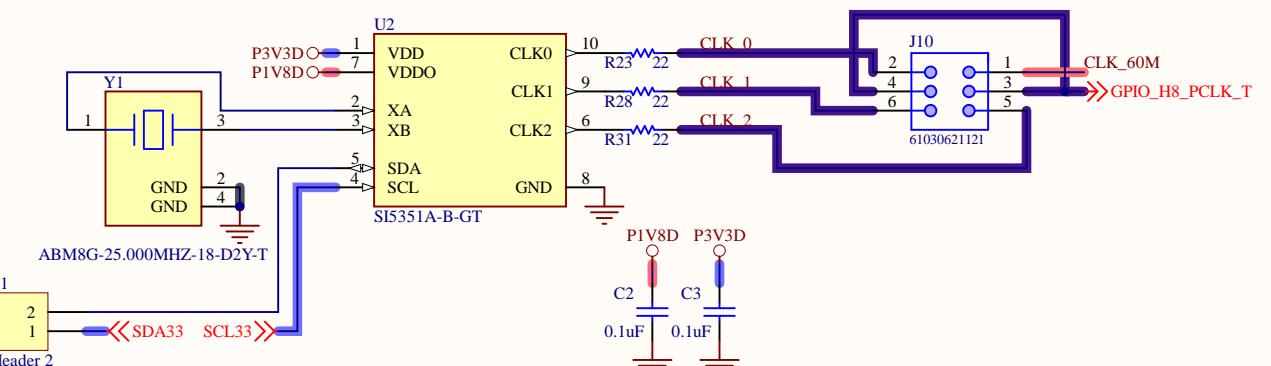
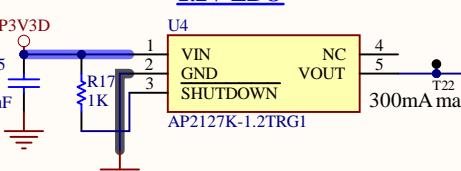
Title **tinyNX33U Module BaseBoard**

Size: B	Number: BlockDiagram	Revision: 3.0
Date: 06-06-2025	Time: 11:39:27	Sheet 1 of 4
File: Overview.SchDoc		

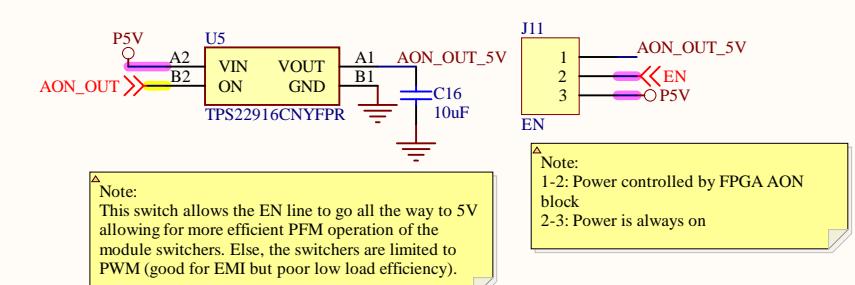


**Color Legend:**

3.3VIO  
USB  
1.8V  
Bank 1 Voltage (1.2-3.3V)  
Bank 2 Voltage (1.2-1.8V)  
Bank 3 Voltage (1.2-1.8V)  
Ground

**SOM Connectors****Bank Voltage Selection****GPIO/I2C****Flash IO****JTAG****AON/GPIO****OWIIC Connector****I2C GPIO Expander****Programmable Clock****1.2V LDO**

Note:  
The 1.2V LDO is required as the bank voltage for proper MIPI operation.

**AON Circuit****Title: tinyNX33U Module BaseBoard**

Size: B	Number: BaseBoard_Connectors	Revision: 3.0
Date: 06-06-2025	Time: 11:39:27	Sheet 2 of 4
File: Base_Module.SchDoc		

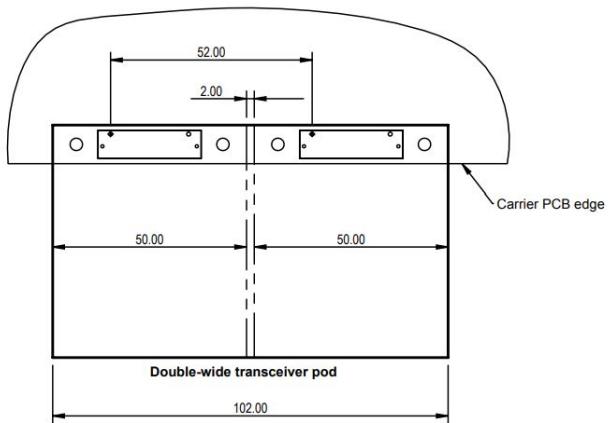
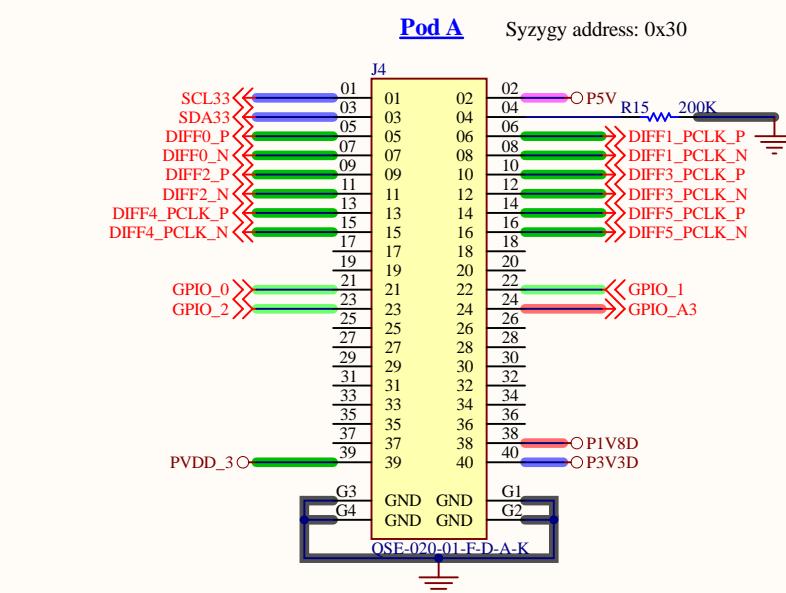
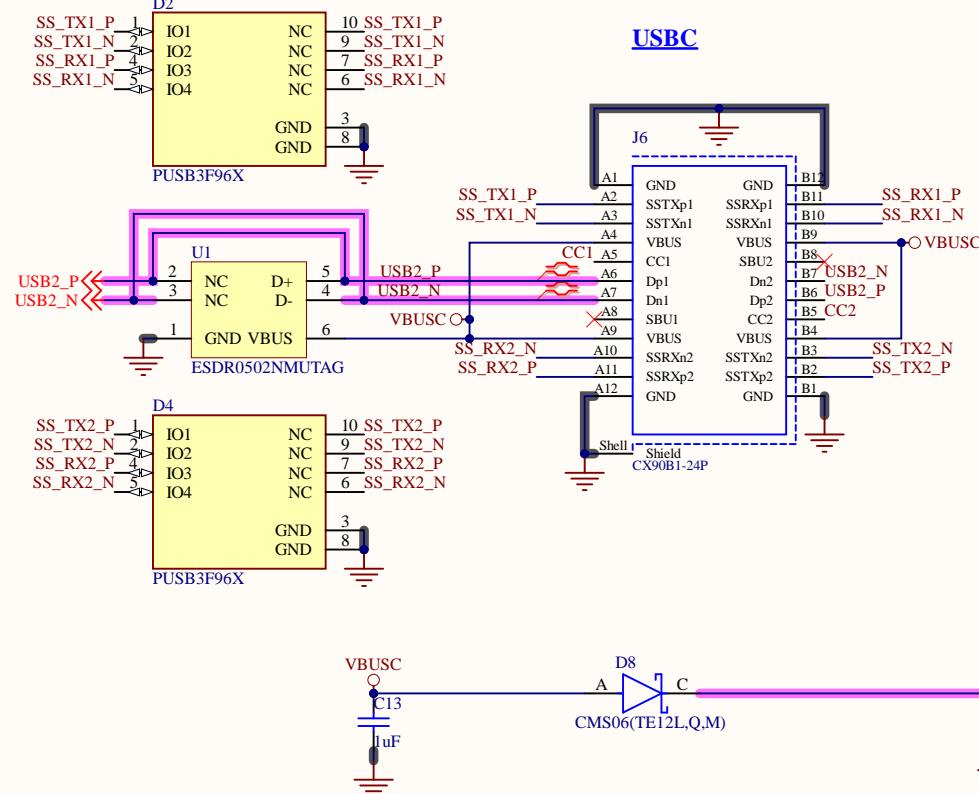
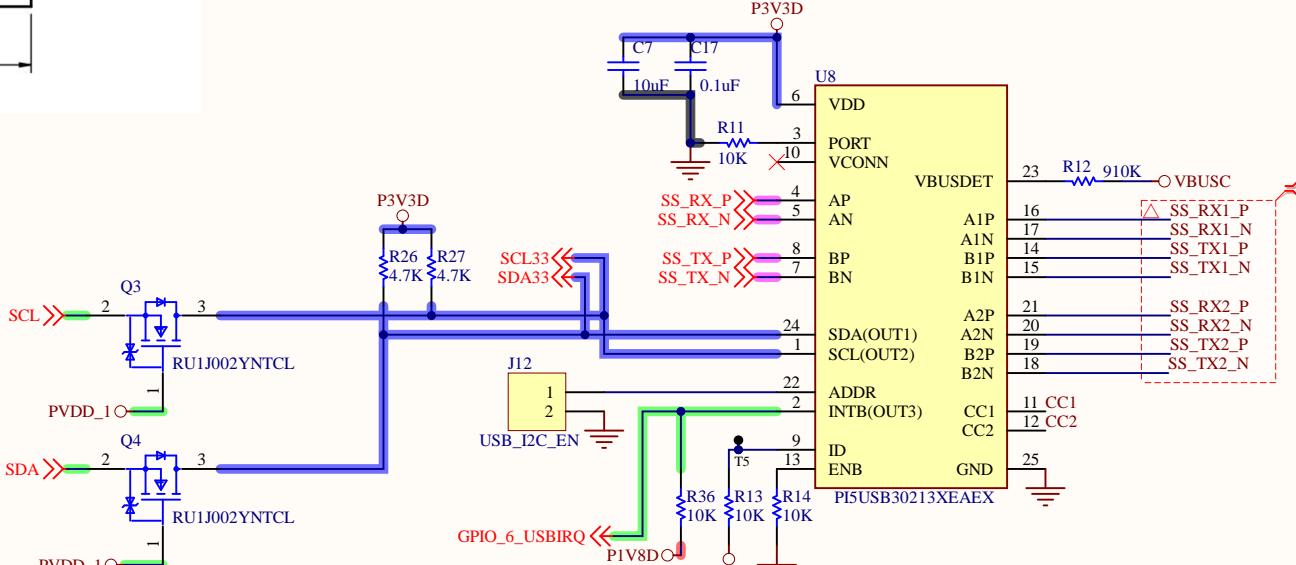
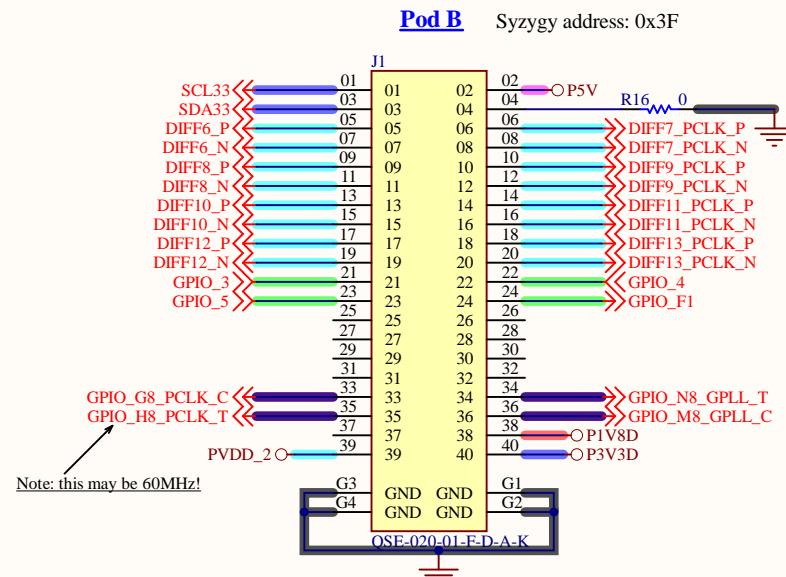
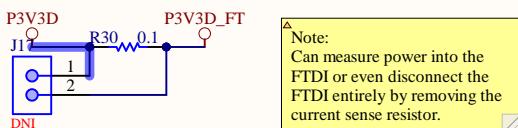


Figure 8. Double-Wide Transceiver Pod Dimensions

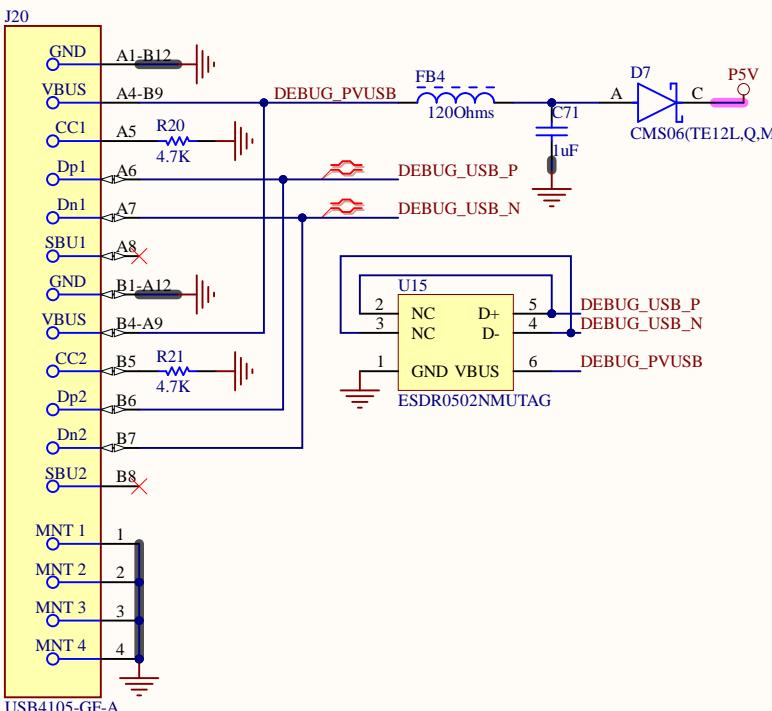
Title **tinyNX33U Module BaseBoard**

Size: B	Number: <b>USB</b>	Revision: 3.0
Date: 06-06-2025	Time: 11:39:27	Sheet 3 of 4
File: Base_USB_Camera.SchDoc		

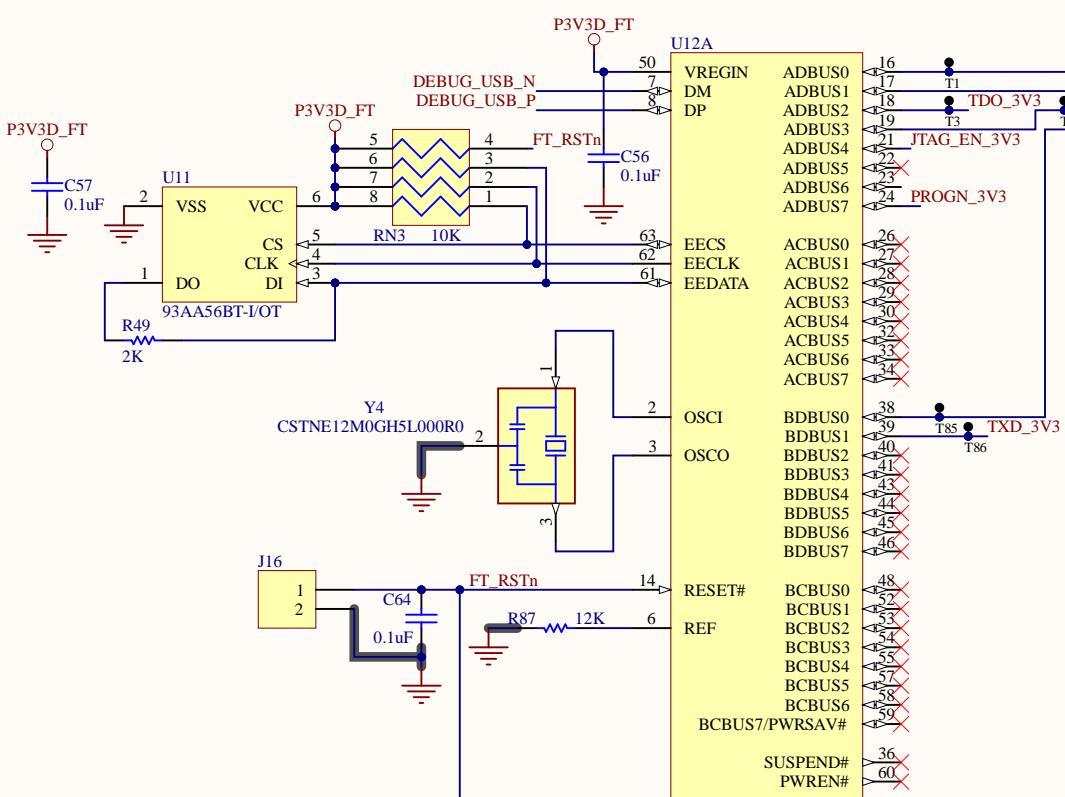
## FTDI Power Measurement/Disconnect



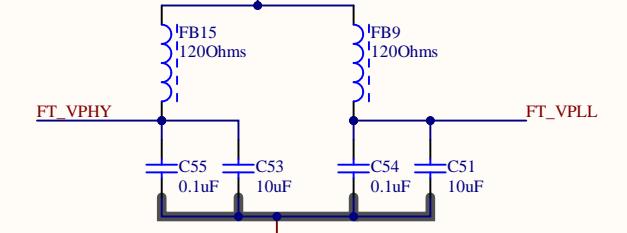
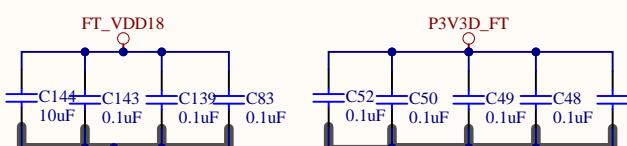
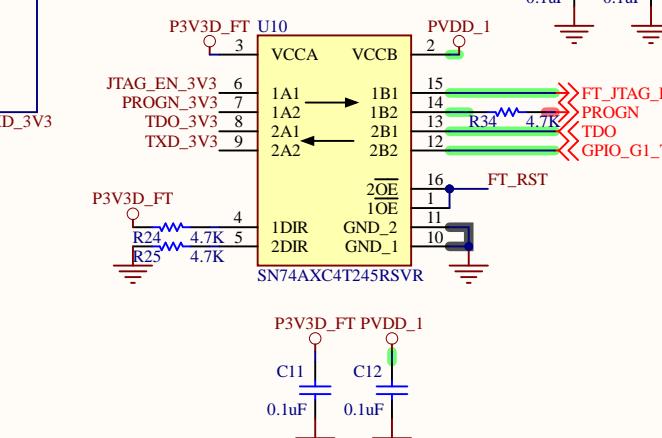
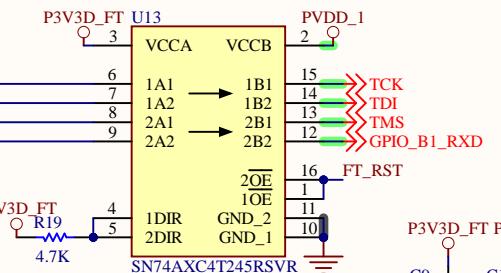
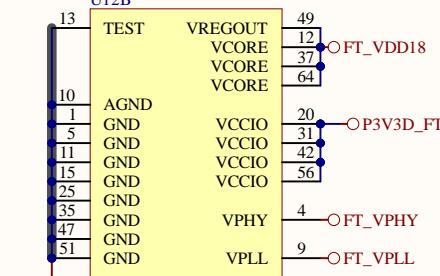
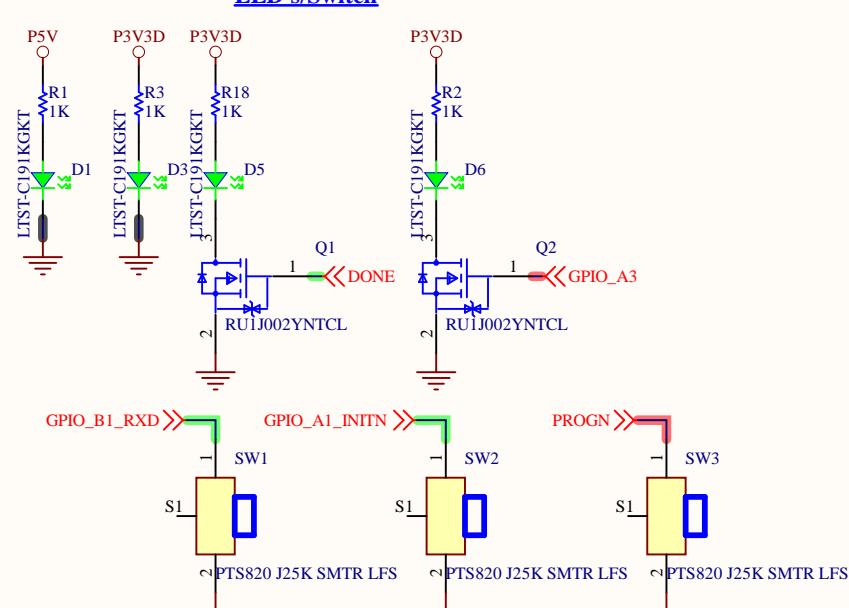
## Debug/Programming USB



## FPGA Programmer



## LED's/Switch



Title: tinyNX33U Module BaseBoard

Size:	Number:	Revision:
B	FPGA_Programmer	3.0
Date:	Time:	Sheet
06-06-2025	11:39:28	4 of 4
File:	FPGA_programmer.SchDoc	

