

OCP3 Thermal Test Fixture (TTF)

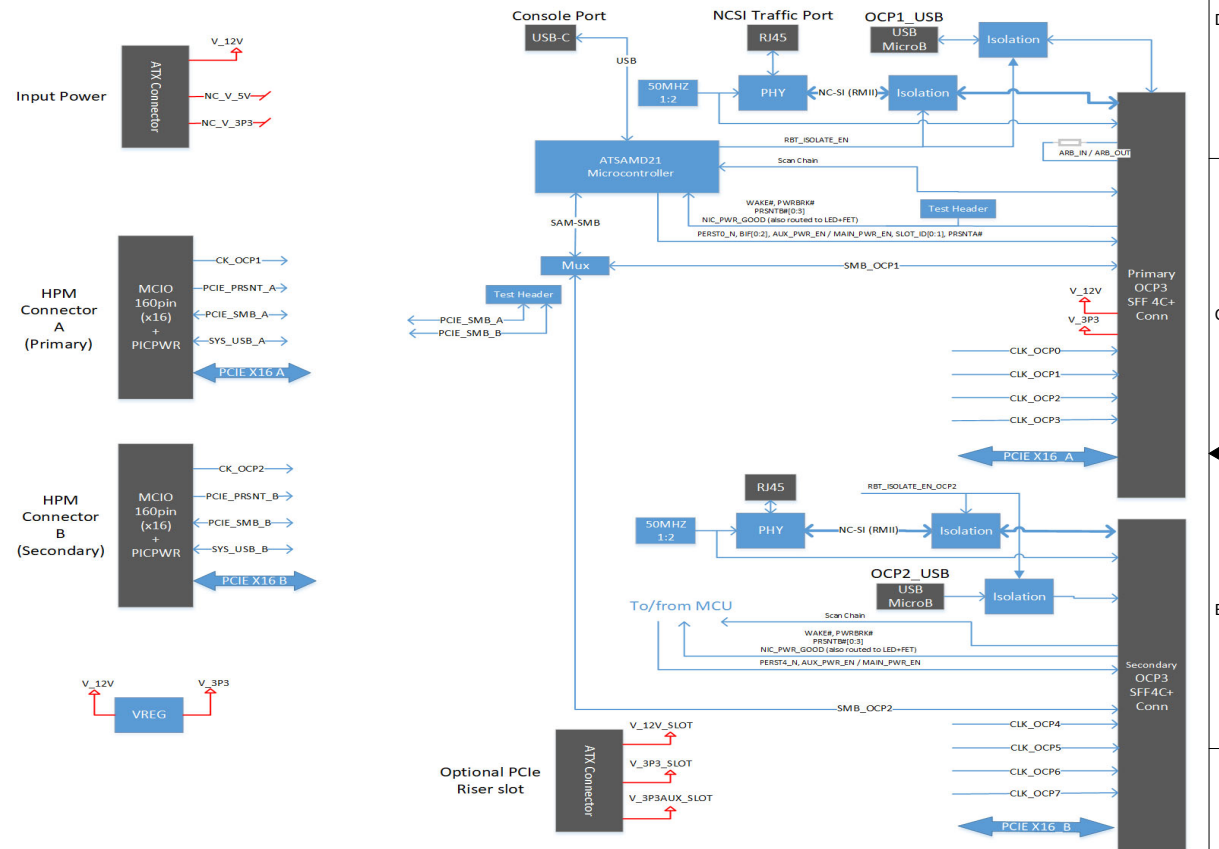
Dual Small Form Factor (DSFF)

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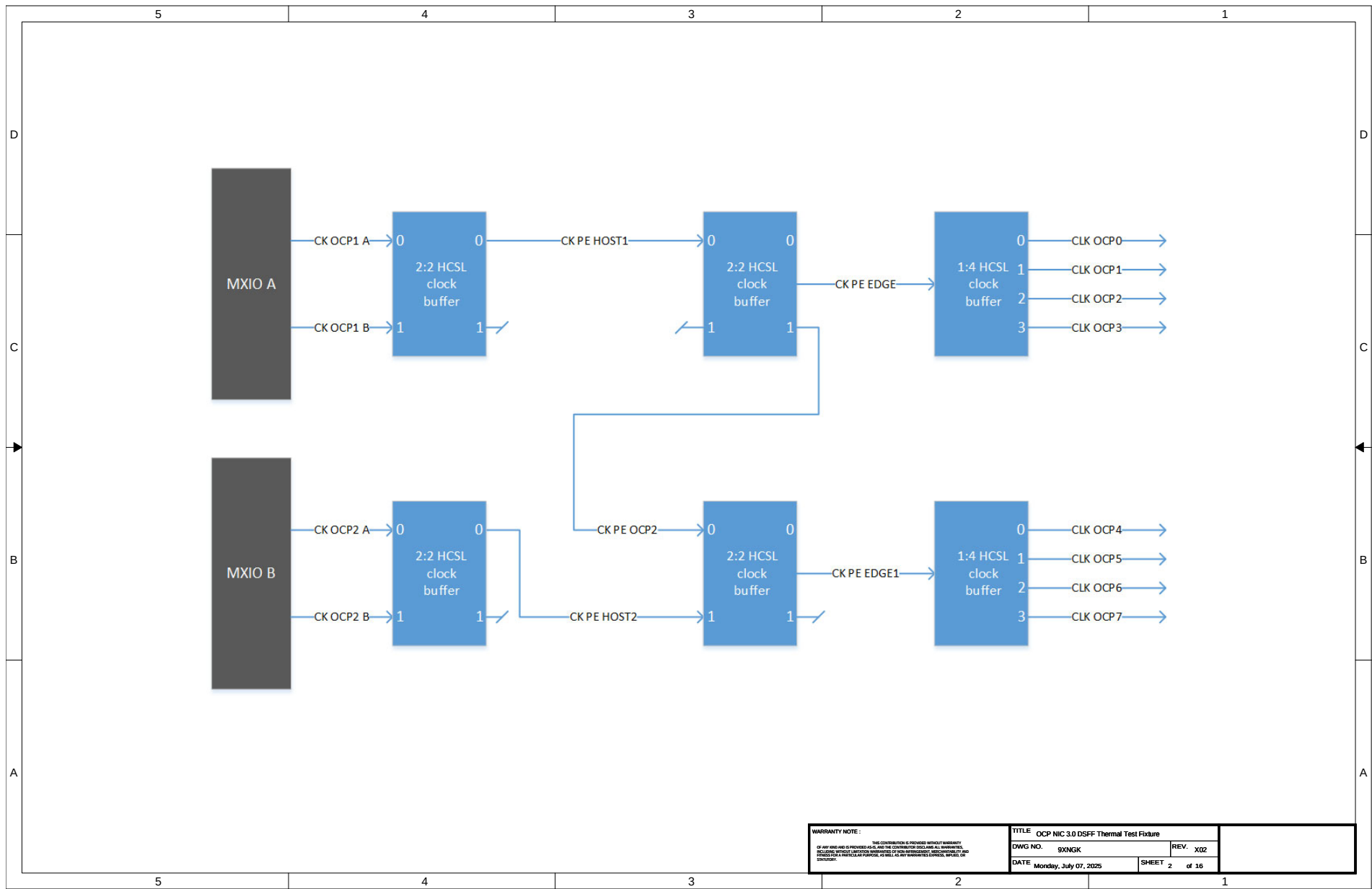
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ADD 9XNGK Schematic1
ADD 0PPPB PWB1
2D BARCODE
TYPE T
LBL1

PWA: Y0TW7
PWB: 0PPPB
SCH: 9XNGK



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DWG NO. 9XNGK	REV. X02		
DATE Monday, July 07, 2025	SHEET 1 of 16		

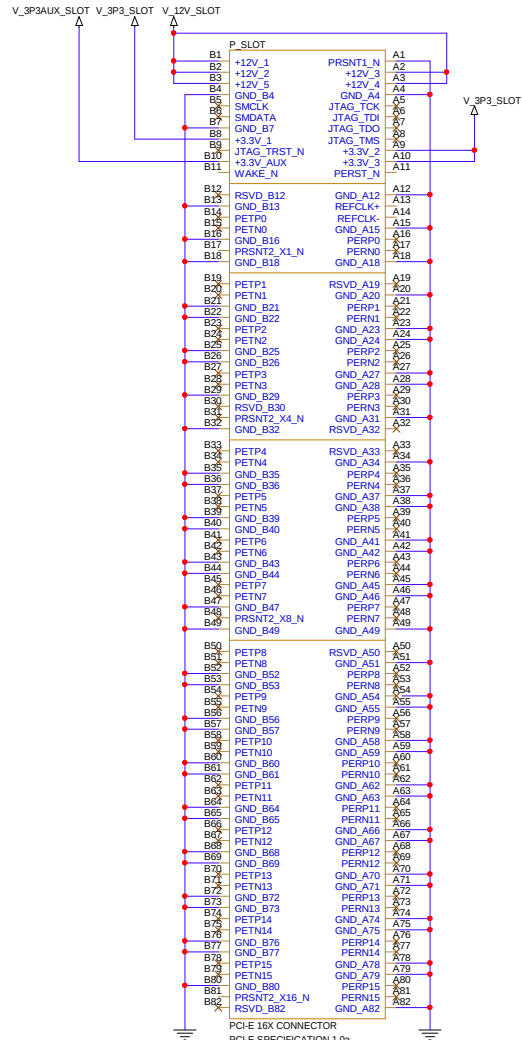


Material: Meg6						Z50		Z85			Z100		
Z Type						Single Ended		Differential			Differential		
Included Technologies													
Target Z (ohms)						50		85			100		
Z tolerance (+/-)						10%		10%			10%		
Layer	Name	Cu Wt	Thickness	Tol	Er	Width	Z-Calc	Width	Space	Z-Calc	Width	Space	Z-Calc
SolderMask			0.5		3.2								
1	Top	1.5 oz	1.9			6.3	49.98	6.5	6	84.33	5	8	99.04
Prepreg			3.5	+/- 0.8mil	3.2								
2	GND	1 oz	1.3										
Core			5.0	+/- 0.5mil	3.2								
3	inner1	1 oz	1.3			8	48.21	7	5	84.22	5	6	99.8
Prepreg			15.0	+/- 1.5mil	3.2								
4	GD2	1 oz	1.3										
Core			4.0	+/- 0.5mil	3.2								
5	GD3	1 oz	1.3										
Prepreg			15.0	+/- 1.5mil	3.2								
6	inner2	1 oz	1.3			8	48.21	7	5	84.22	5	6	99.8
Core			5.0	+/- 0.5mil	3.2								
7	GD4	1 oz	1.3										
Prepreg			3.5	+/- 0.8mil	3.2								
8	Bottom	1.5 oz	1.9			6.3	49.98	6.5	6	84.33	5	8	99.04
SolderMask			0.5		3.2								
** Ignore Z requirements for layers where trace width does not exist.		mil	63.6	+/- 10%									

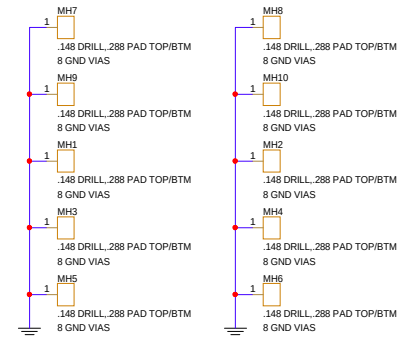
NOTES:
Multi-Host not supported
ONLY REFCLK0 Used from system for all OCP CLK Inputs
PEST1 NOT supported in this version (no PWRBRK)
WAKE no longer supported
ITEMS IN RED ARE STILL OPEN

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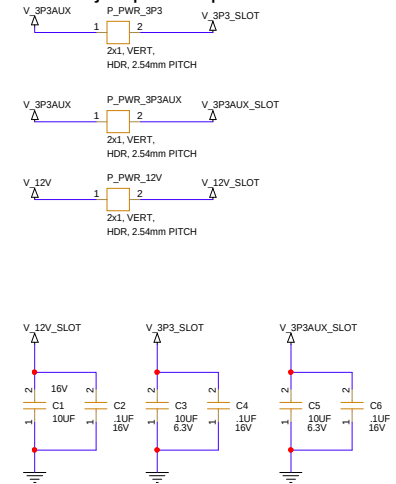
PCIe Riser Card Connector



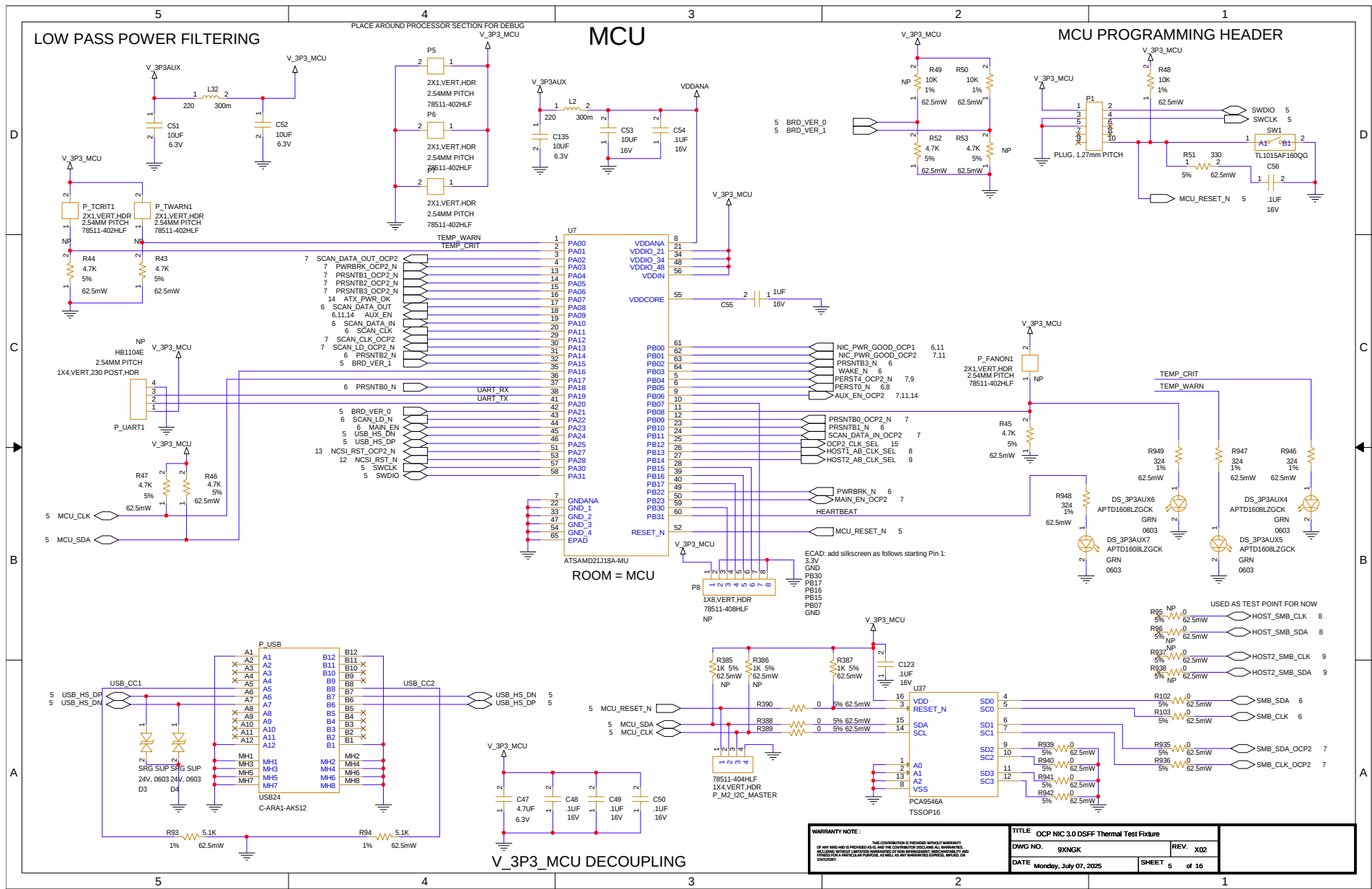
- ADD CNDM SHUNT1
- ADD CNDM SHUNT2
- ADD CNDM SHUNT3
- ADD CNDM SHUNT4
- ADD CNDM SHUNT5
- ADD CNDM SHUNT6
- ADD CNDM SHUNT7
- ADD CNDM SHUNT8
- ADD CNDM SHUNT9
- ADD CNDM SHUNT10
- ADD CNDM SHUNT11
- ADD CNDM SHUNT12

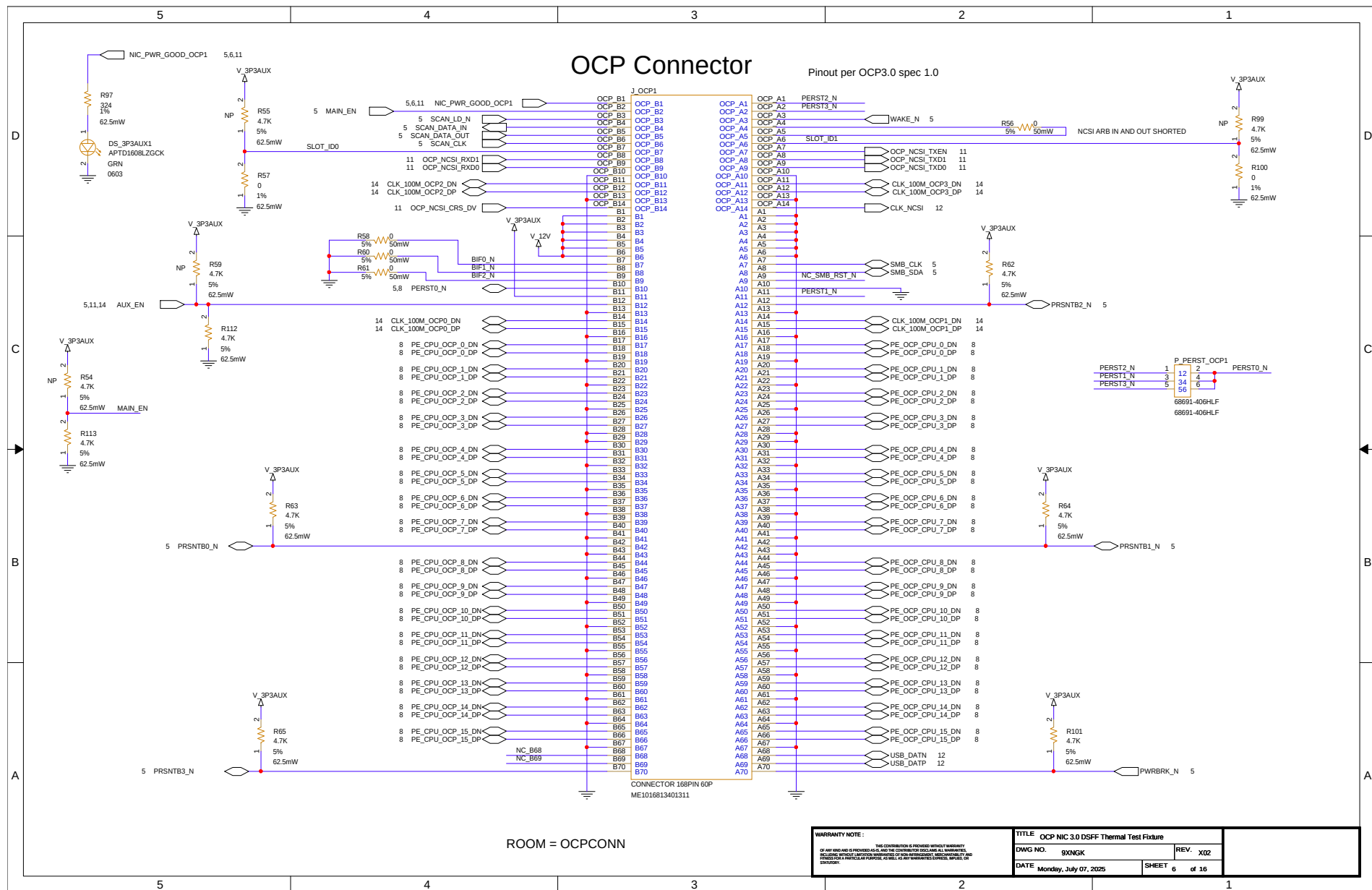


Connect jumpers to power PCIe slot



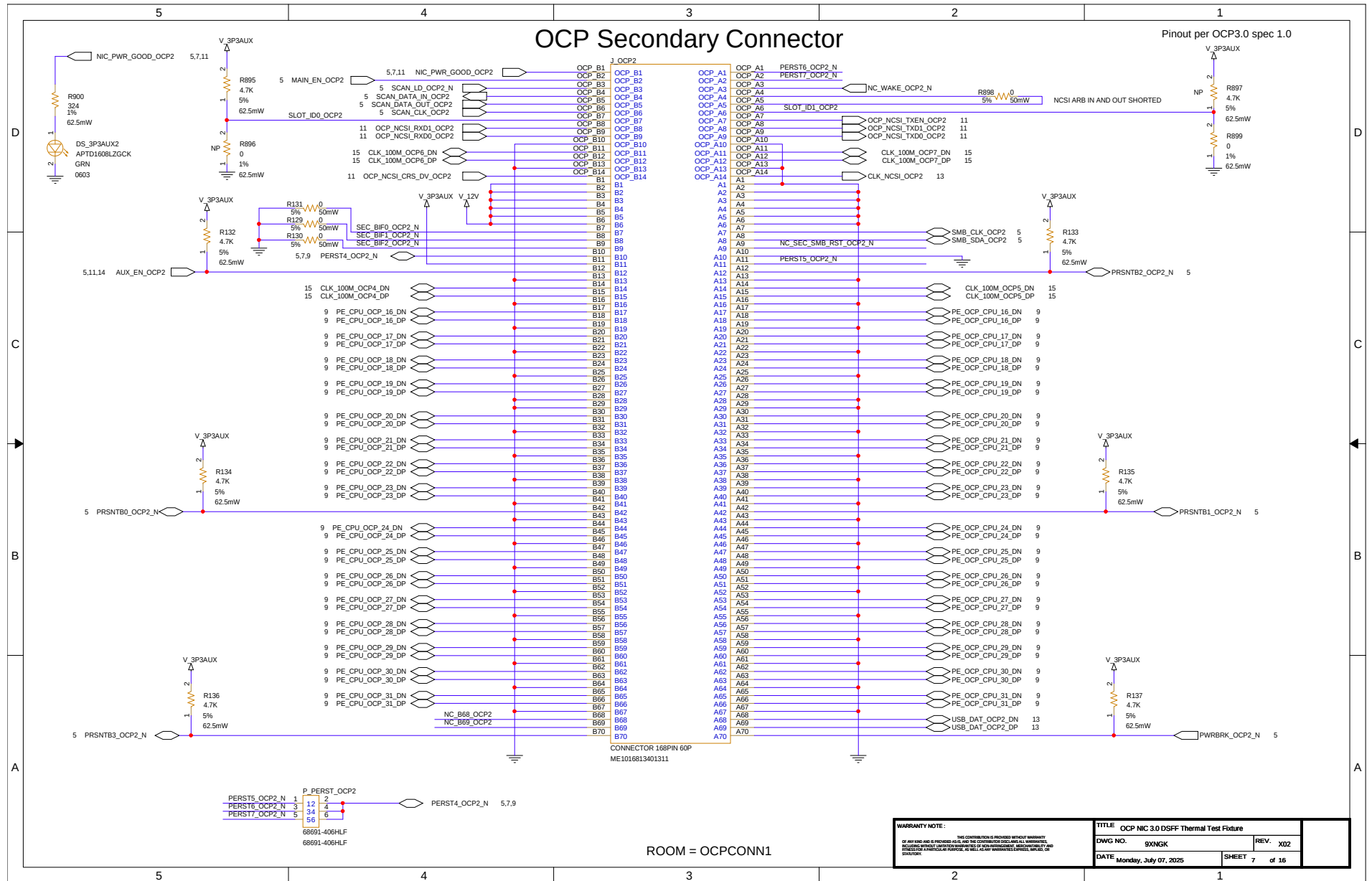
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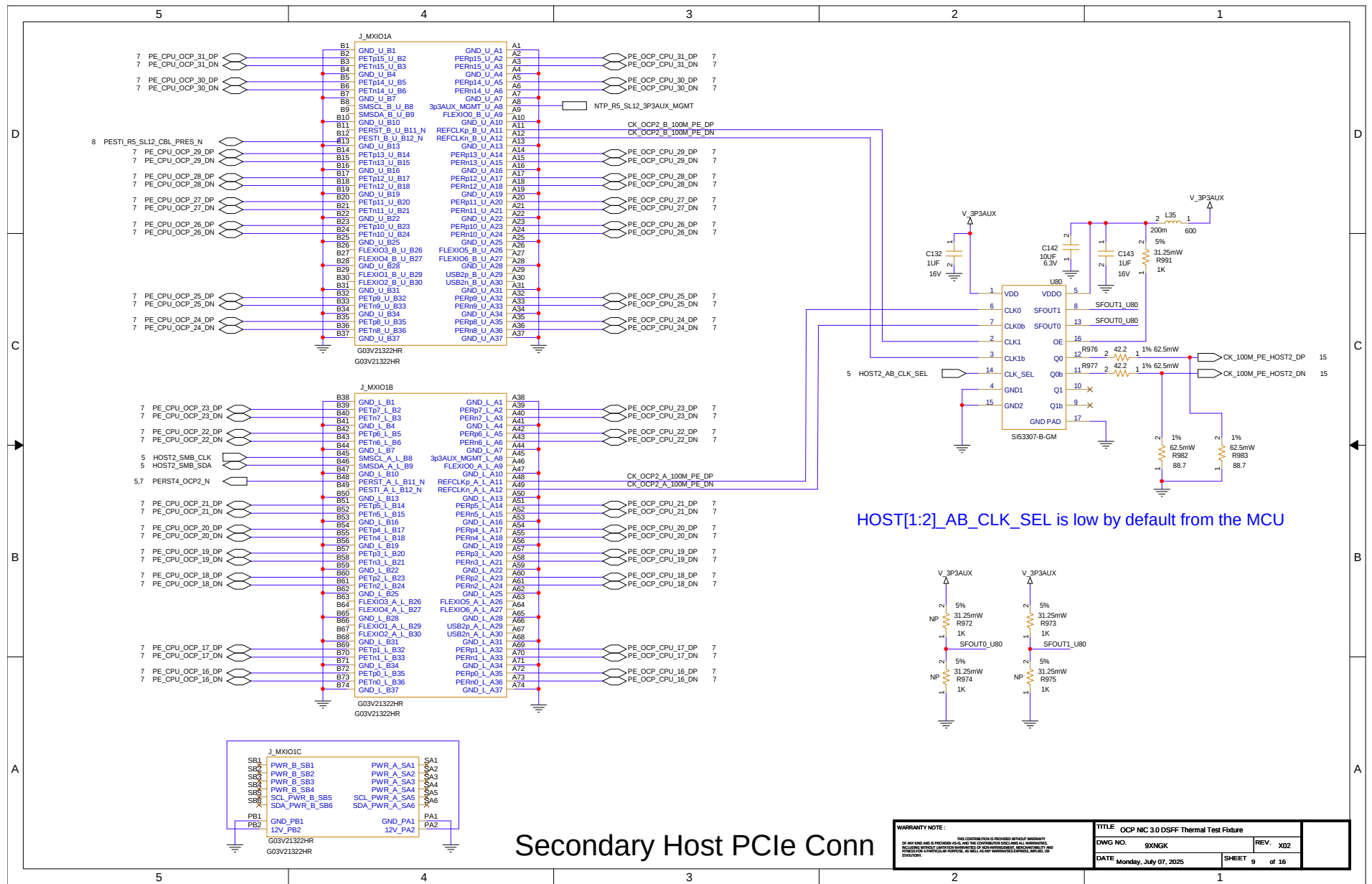




OCP Secondary Connector

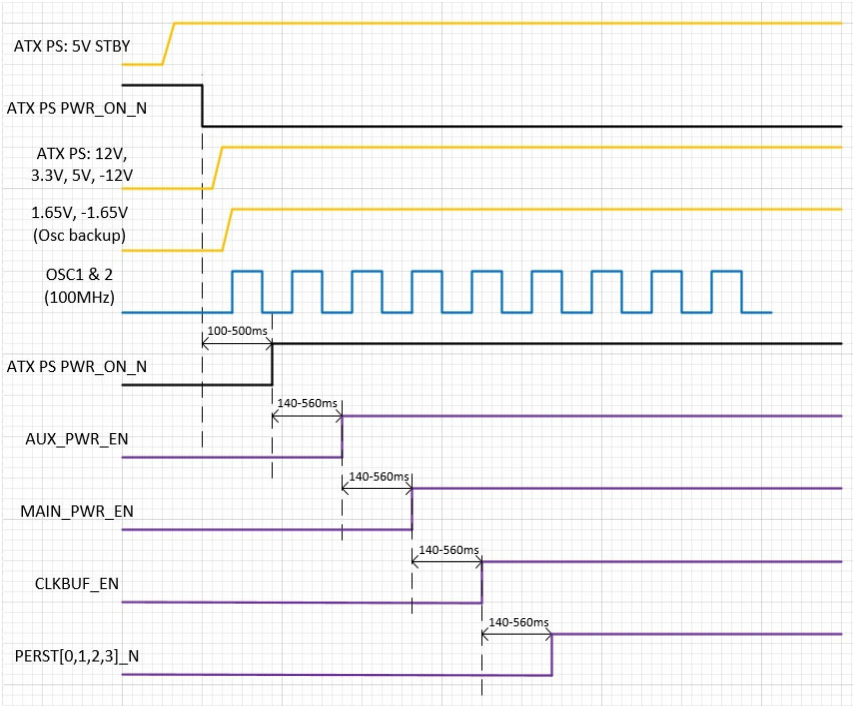
Pinout per OCP3.0 spec 1.0



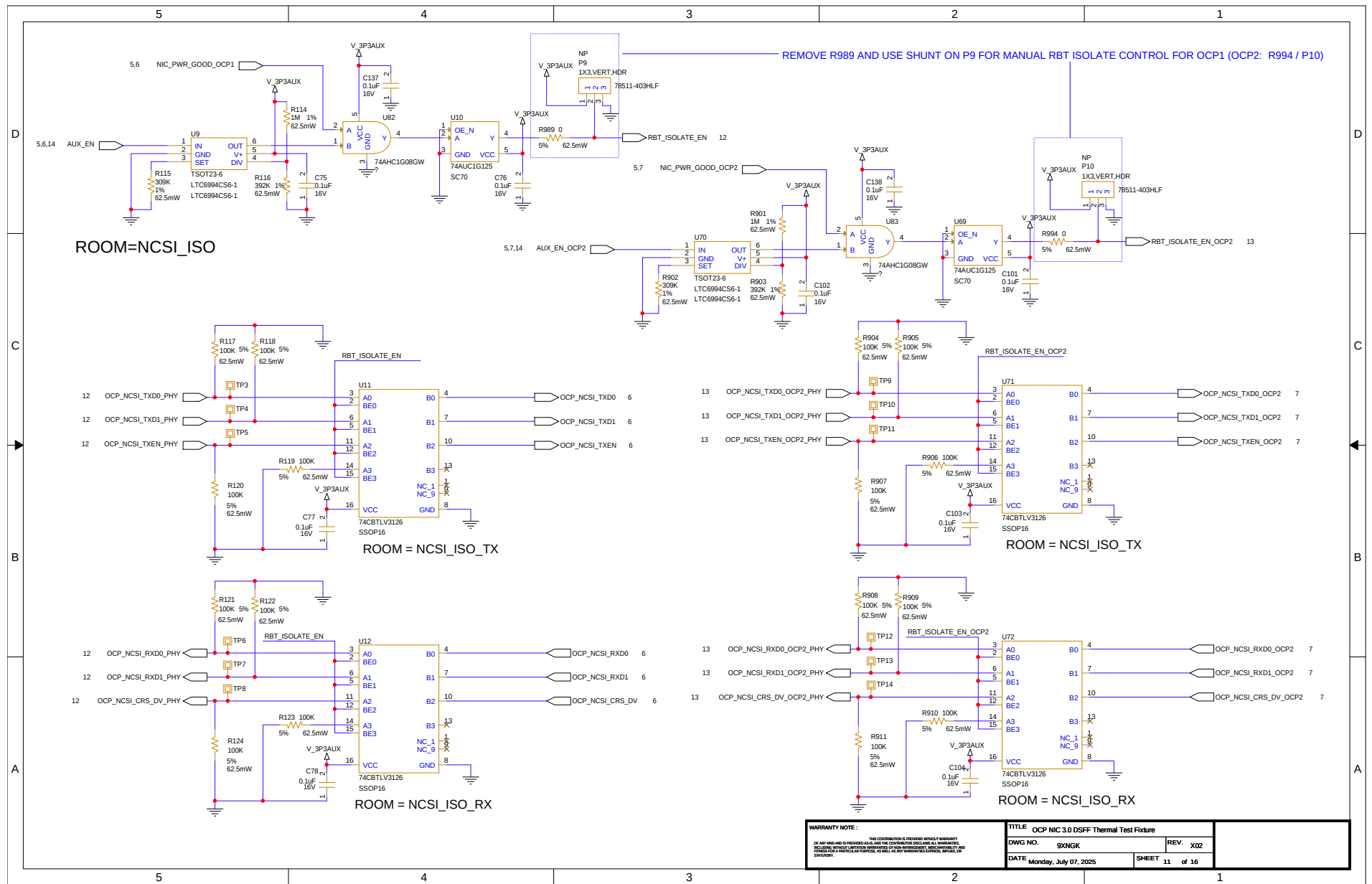


Secondary Host PCIe Conn

POWER SEQUENCE

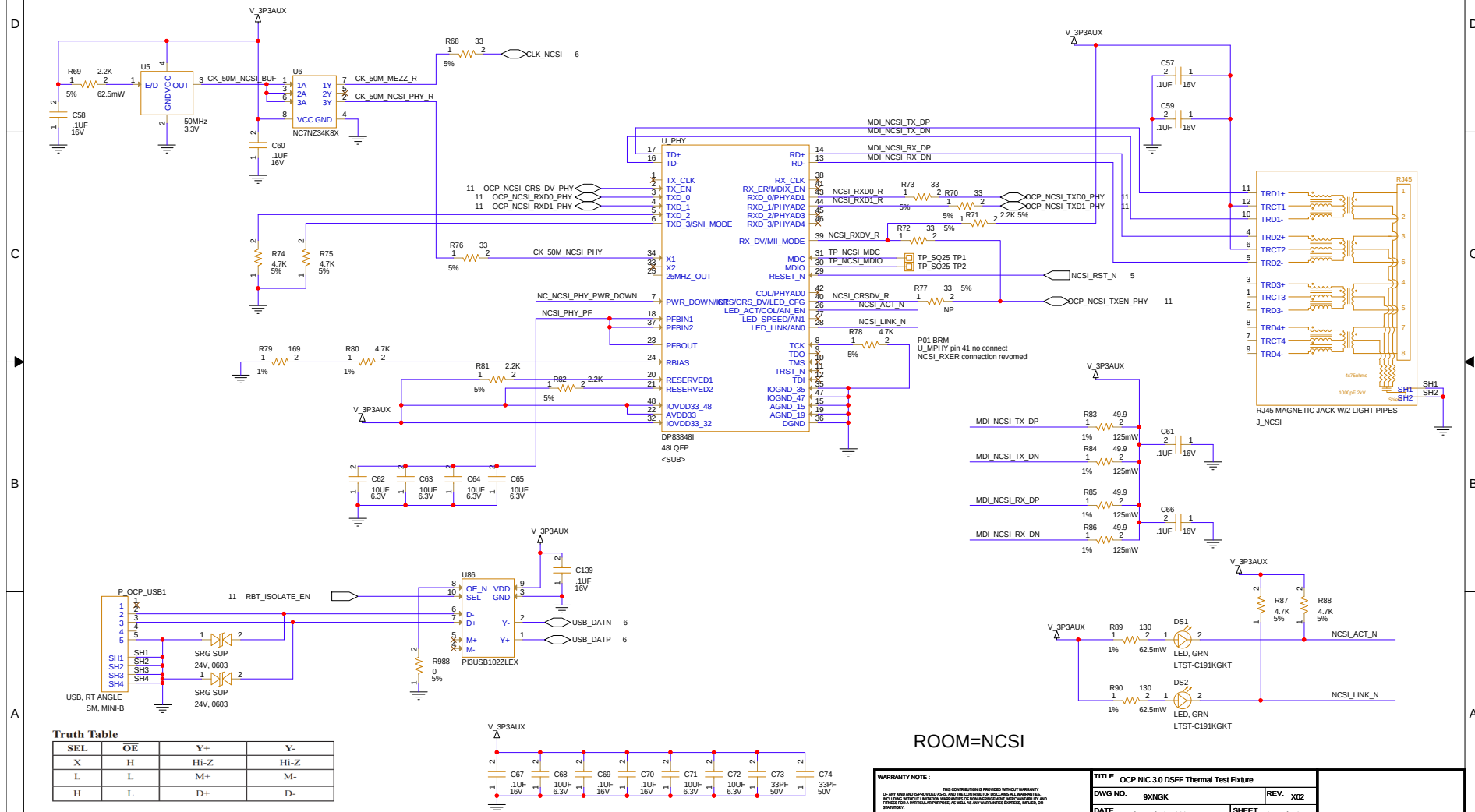


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NCSI Phy, RJMag and USB port Primary Connector

ROOM=CK_NCSI



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TITLE OCP NIC 3.0 DSFP Thermal Test Fixture

DWG NO. 9XNGK

REV. X02

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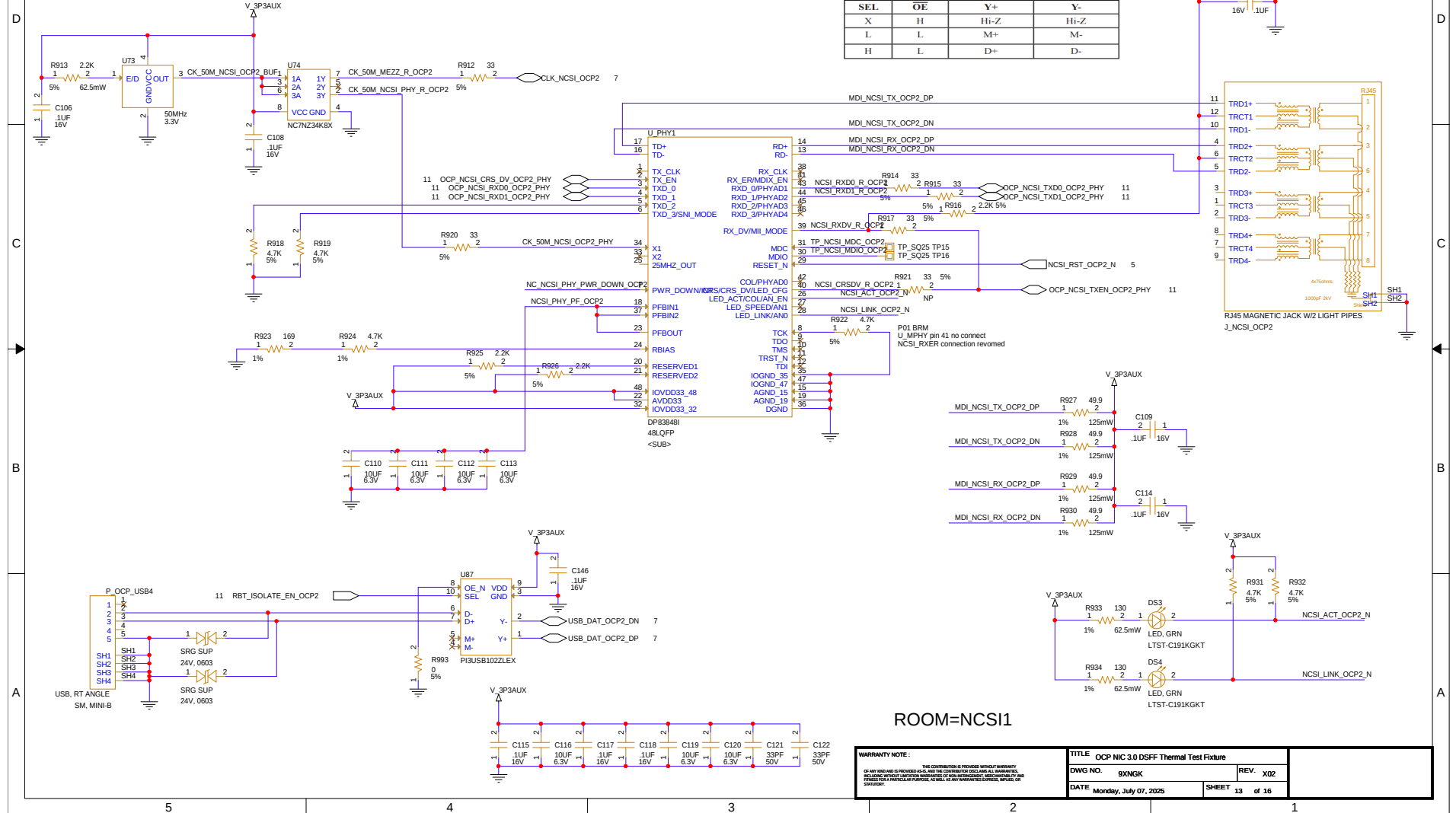
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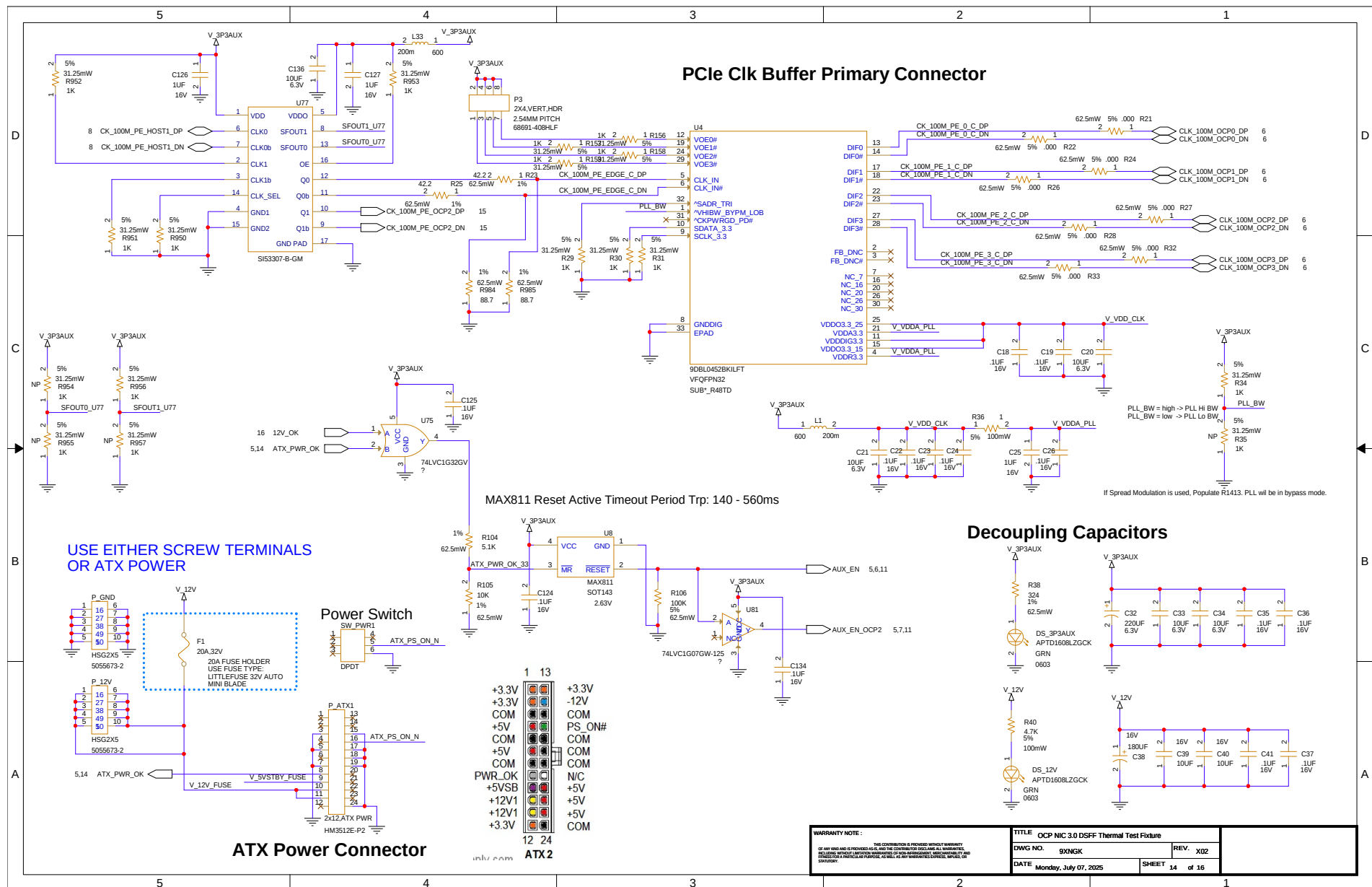
NCSI Phy, RJMag and USB port Secondary Connector

ROOM=CK_NCSI

Truth Table

SEL	OE	Y+	Y-
X	H	Hi-Z	Hi-Z
L	L	M+	M-
H	L	D+	D-





PCIe Clk Buffer Secondary OCP connector

