

Engineering Change Notice

The following table contains a list of engineering changes that are not reflected in the Tsi381 Evaluation Board Schematics.

Table 1: ECN for E2000_AS001_05 (Board order number Tsi381-RDK1 V2.0)

No.	Item(s)	Original	Change To
1	Tsi381 Device	Tsi381-66ILZ1	Tsi381-66ILZ2
2	3.3Vaux on J1, J2, J36, J37 ^a	No connection	Short pin A14 (3.3Vaux) to pin A16 (VIO_PCI) with 0-Ohm (0603) resistor

a. 3.3Vaux does not provide power to plug-in cards when the system is powered down.

Table 2: ECN for E2000_AS001_04 (Board order number Tsi381-RDK1 V2.1)

No.	Item(s)	Original	Change To
1	Tsi381 Device	Tsi381-66ILZ1	Tsi381-66ILZ2 ^a
2	3.3Vaux on J1, J2, J36, J37 ^b	No connection	Short pin A14 (3.3Vaux) to pin A16 (VIO_PCI) with 0-Ohm (0603) resistor

a. Ball K1 was removed from the Tsi381 device to allow the TEST_SPARE[2] signal to be detected as logic high. This version of the evaluation board is intended to support applications that require PCI bus parking on the Tsi381.

b. 3.3Vaux does not provide power to plug-in cards when the system is powered down.

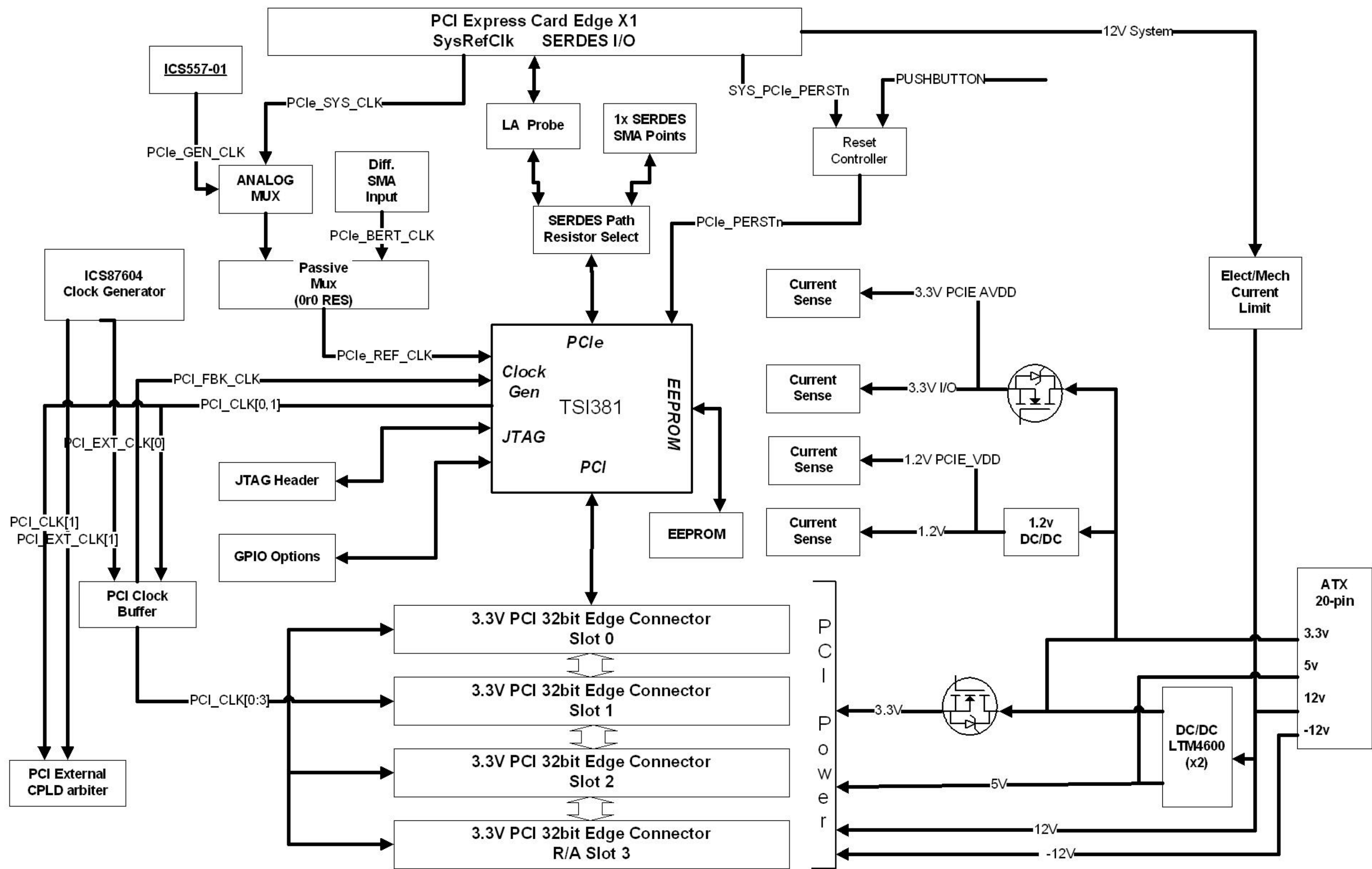
Tsi381 Evaluation Board Schematic

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C	60E2000_SC001_03	1.0	
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BLOCK DIAGRAM



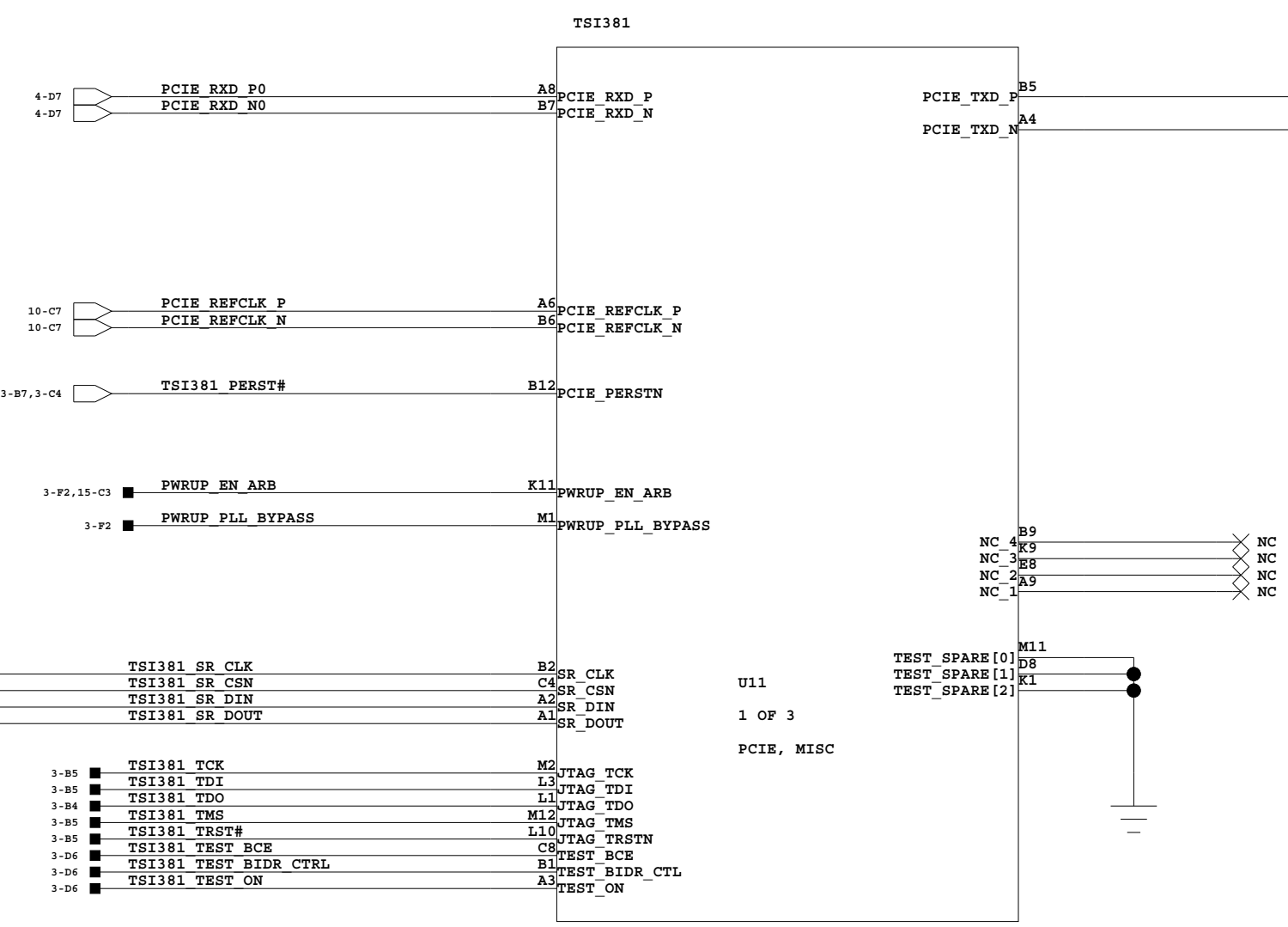
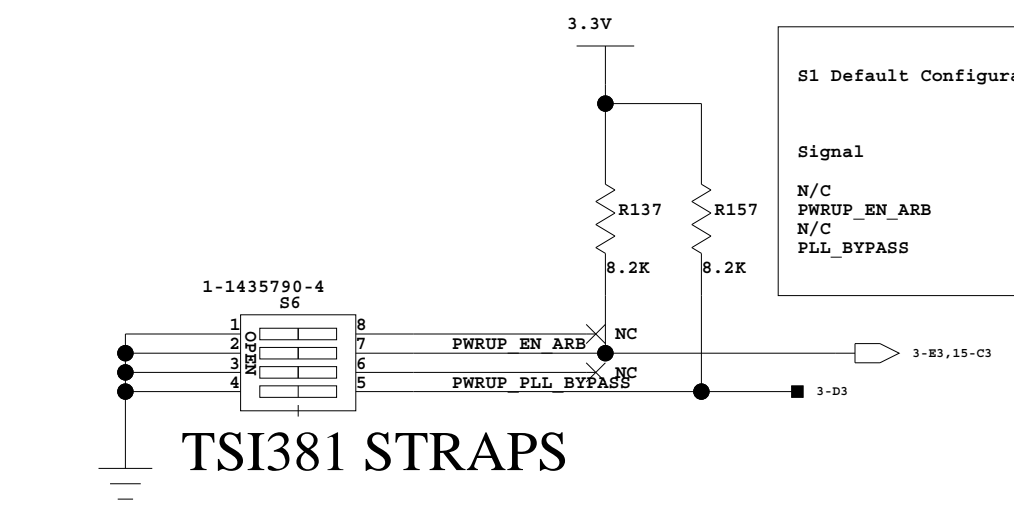
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C	60E2000_SC001_03	1.0	
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TSI381 PCIE/MISC INTERFACE

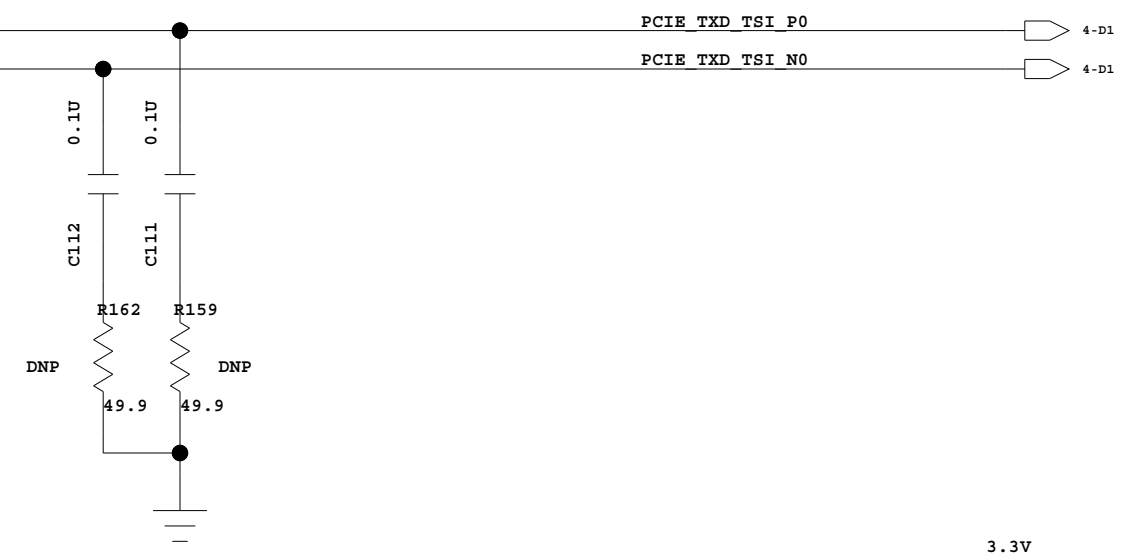
S1 Default Configuration

Signal	(1=High, 0=Low)
N/C	
PWRUP_EN_ARB	0
N/C	
PLL_BYPASS	0

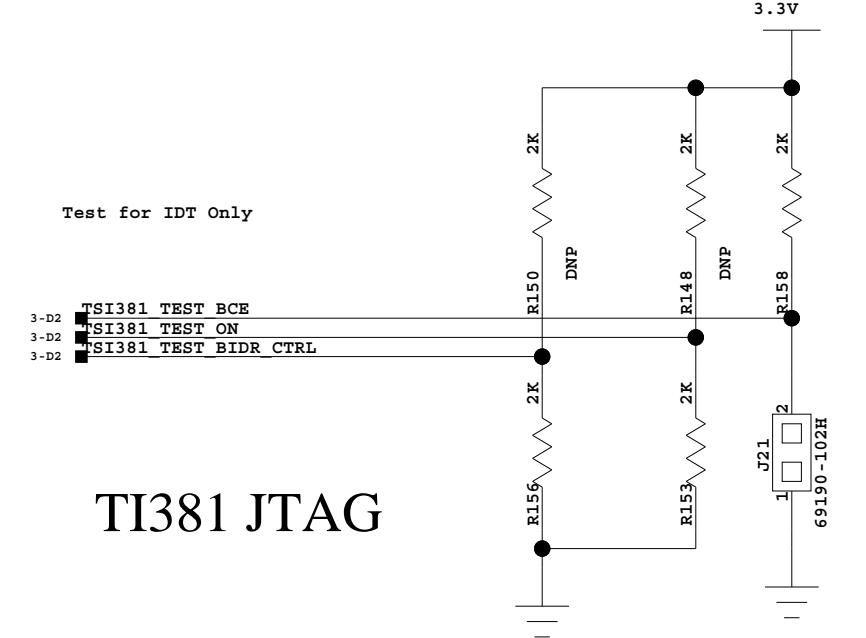
TSI381 STRAPS



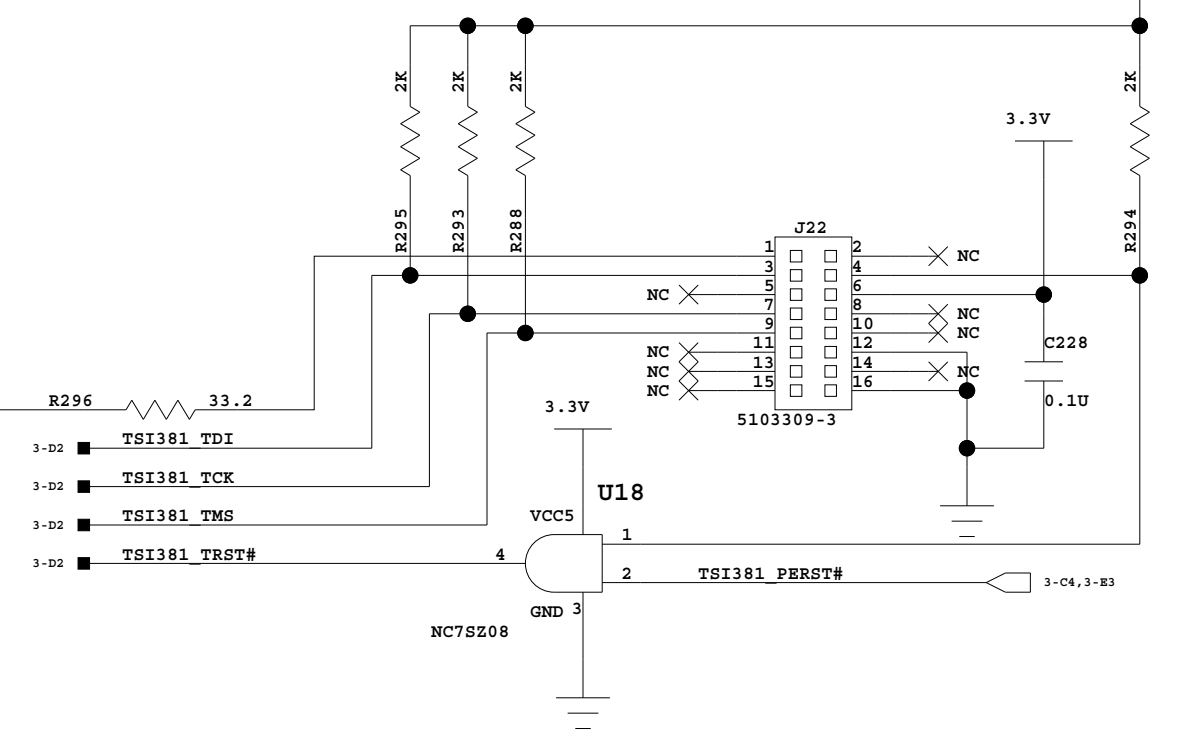
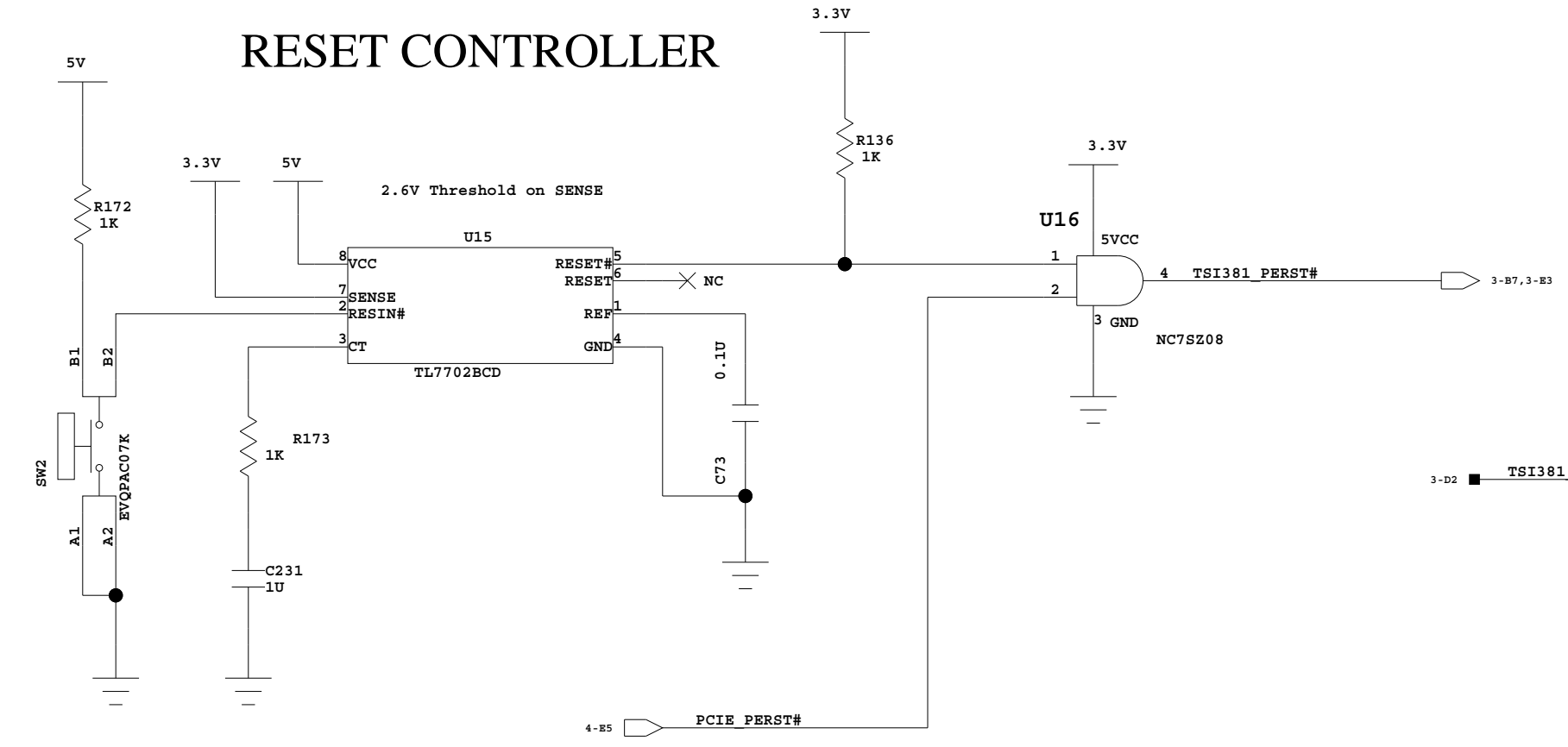
TX Compliance Testing



TSI381 JTAG

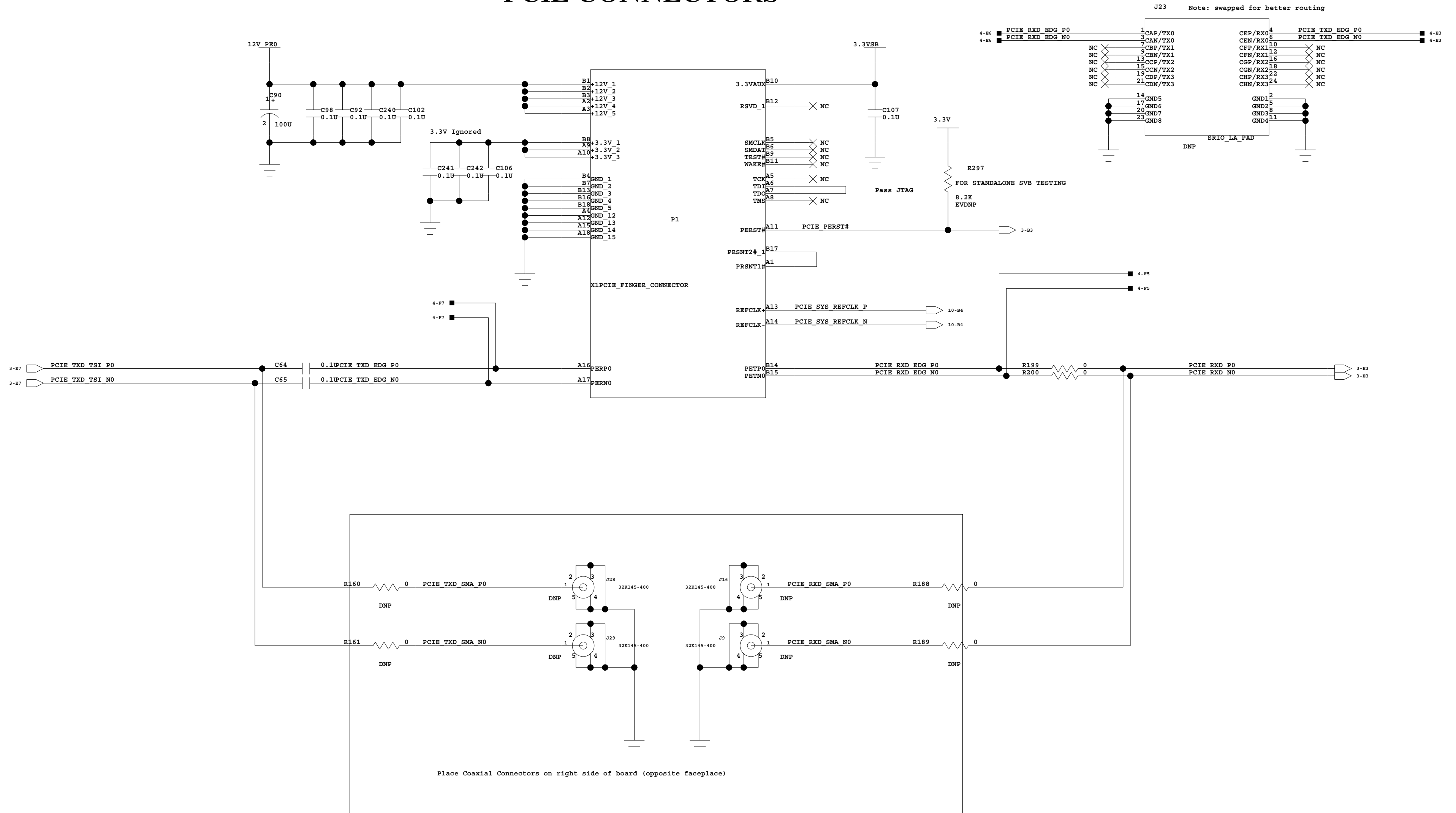


RESET CONTROLLER



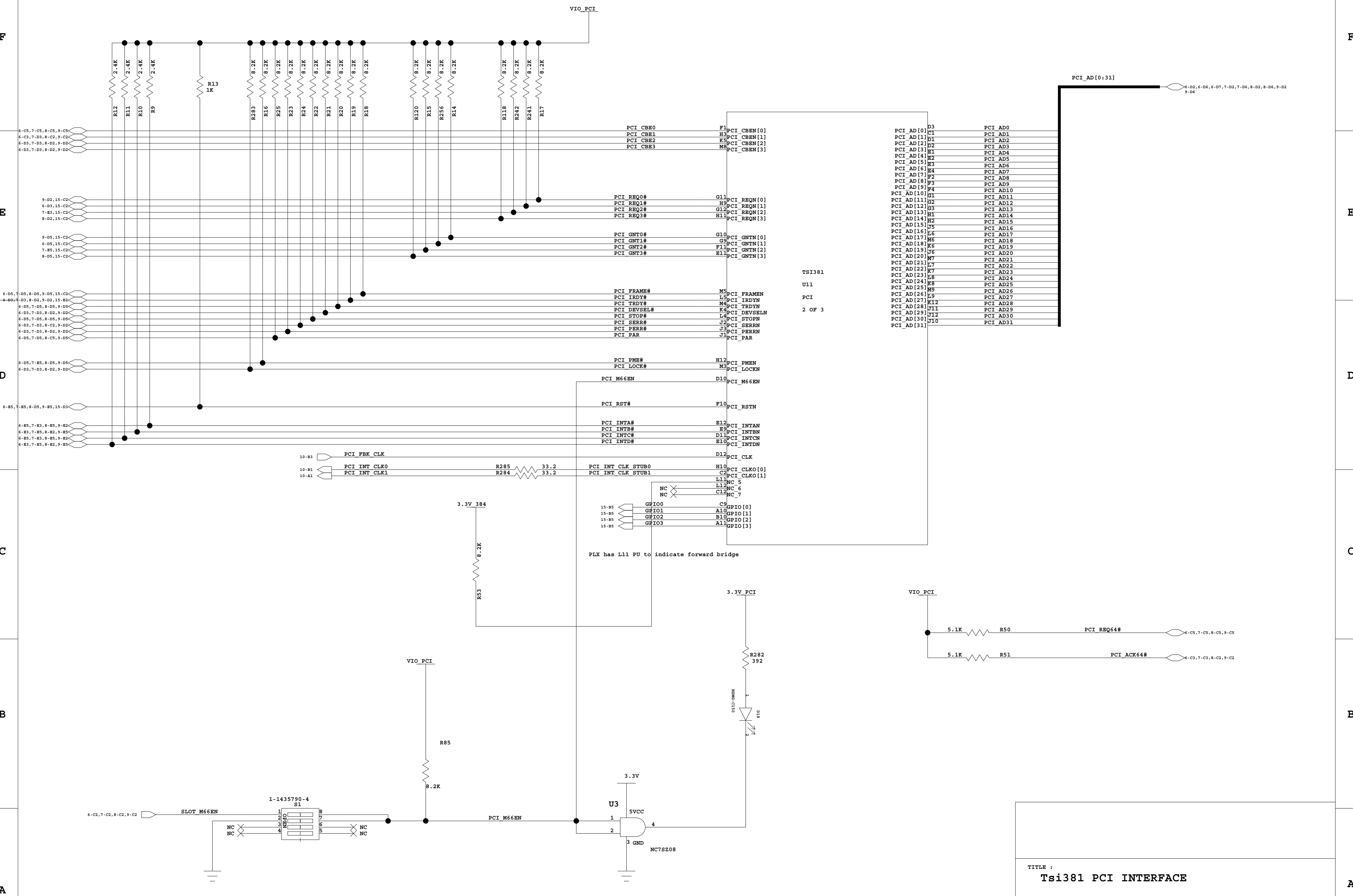
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PCIE CONNECTORS



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PCIE CONNECTORS			
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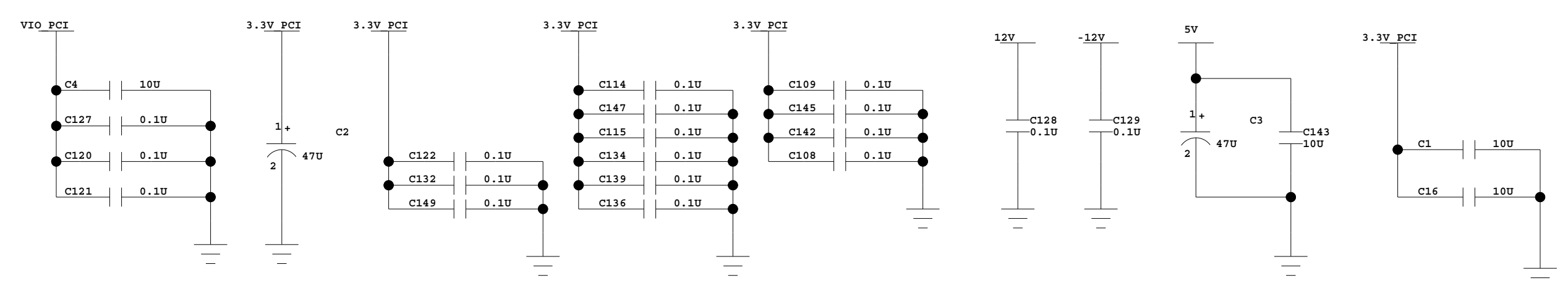
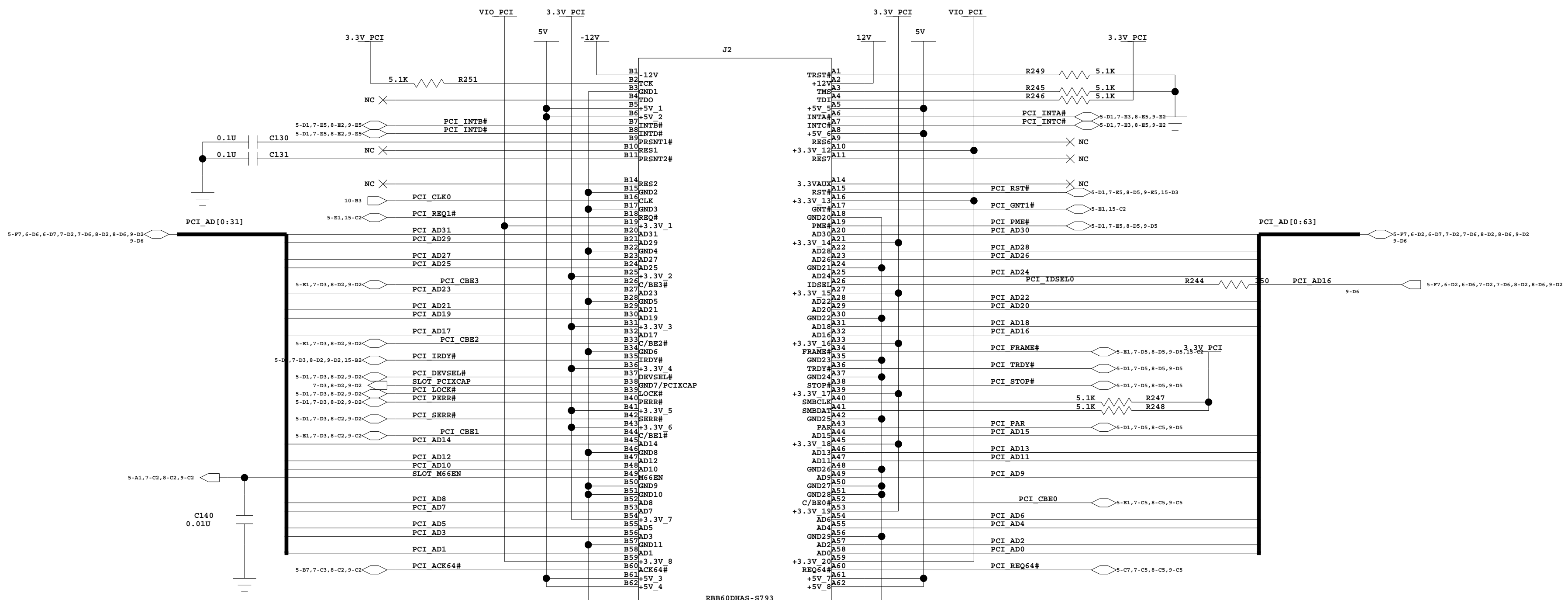
TSI381 PCI INTERFACE



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PCI SLOT 0 (R/A)

IDSEL AD16
 - Required Interrupt Routing
 SLOT : BRIDGE
 INTA -> INTA
 INTB -> INTB
 INTC -> INTC
 INTD -> INTD
 - PCI Clock PCI_CLK0
 - PCI Arbitration PCI_GNT#1/PCI_REQ#1



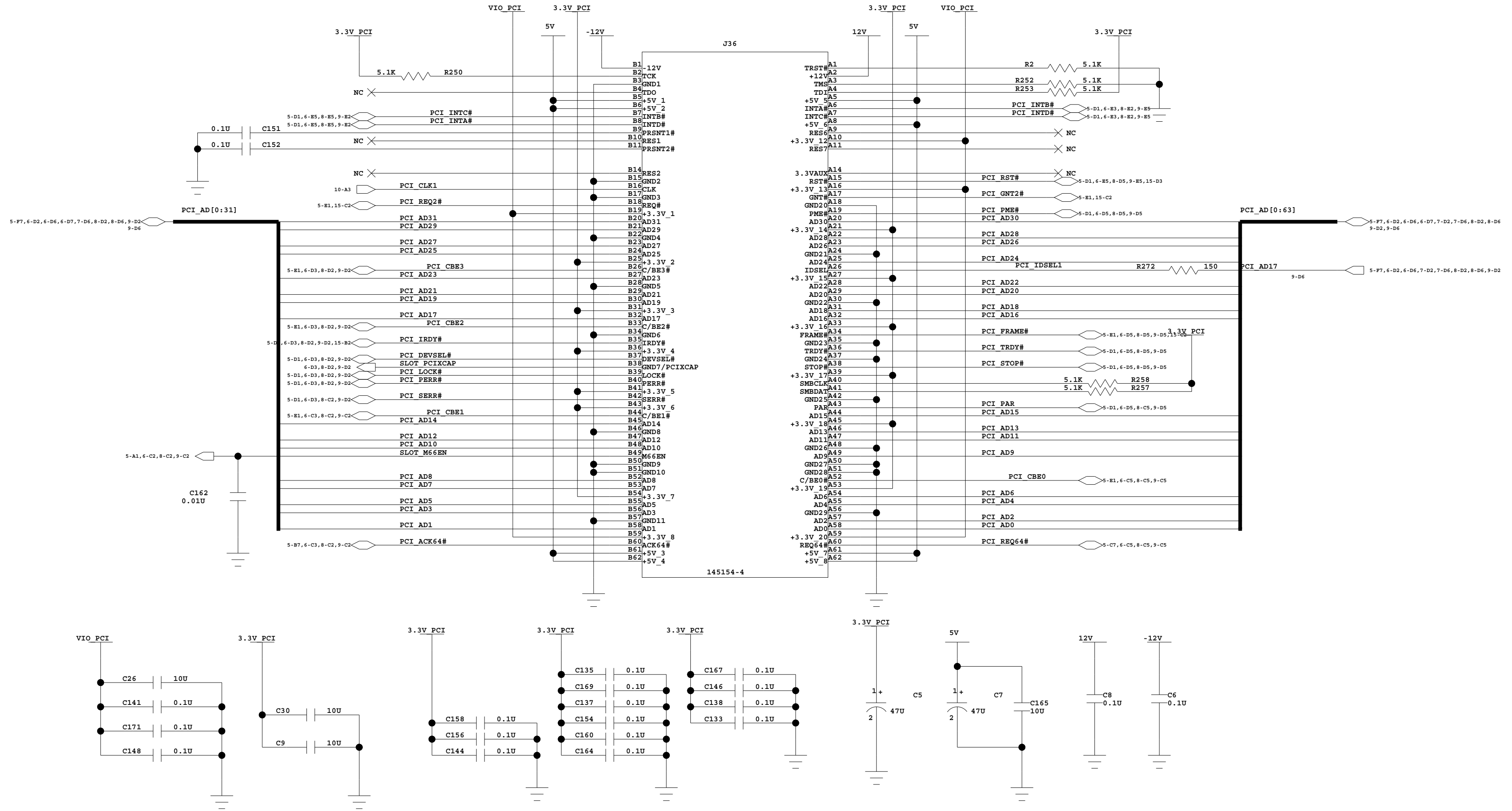
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PCI SLOT 0			
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PCI SLOT 1 (Vertical)

IDSEL AD17
 - Required Interrupt Routing
 SLOT : BRIDGE
 INTA -> INTB
 INTB -> INTC
 INTC -> INTD
 INTD -> INTA

 - PCI Clock PCI_CLK1

 - PCI Arbitration PCI_GNT#2/PCI_REQ#2



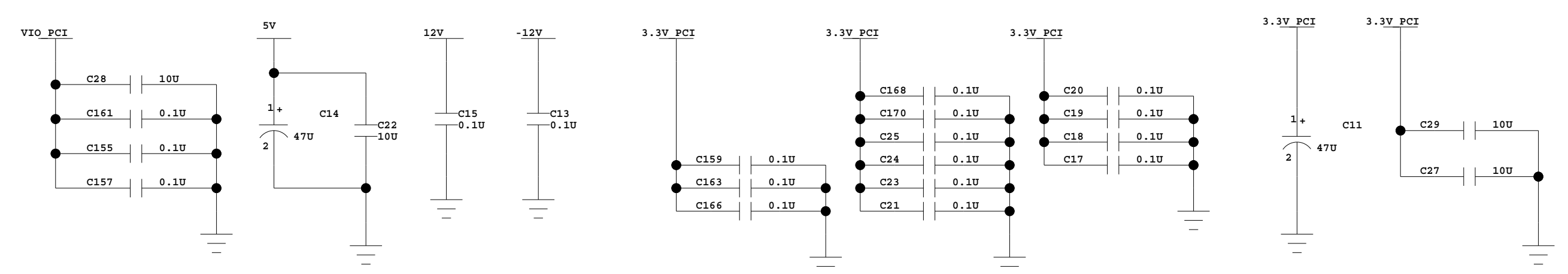
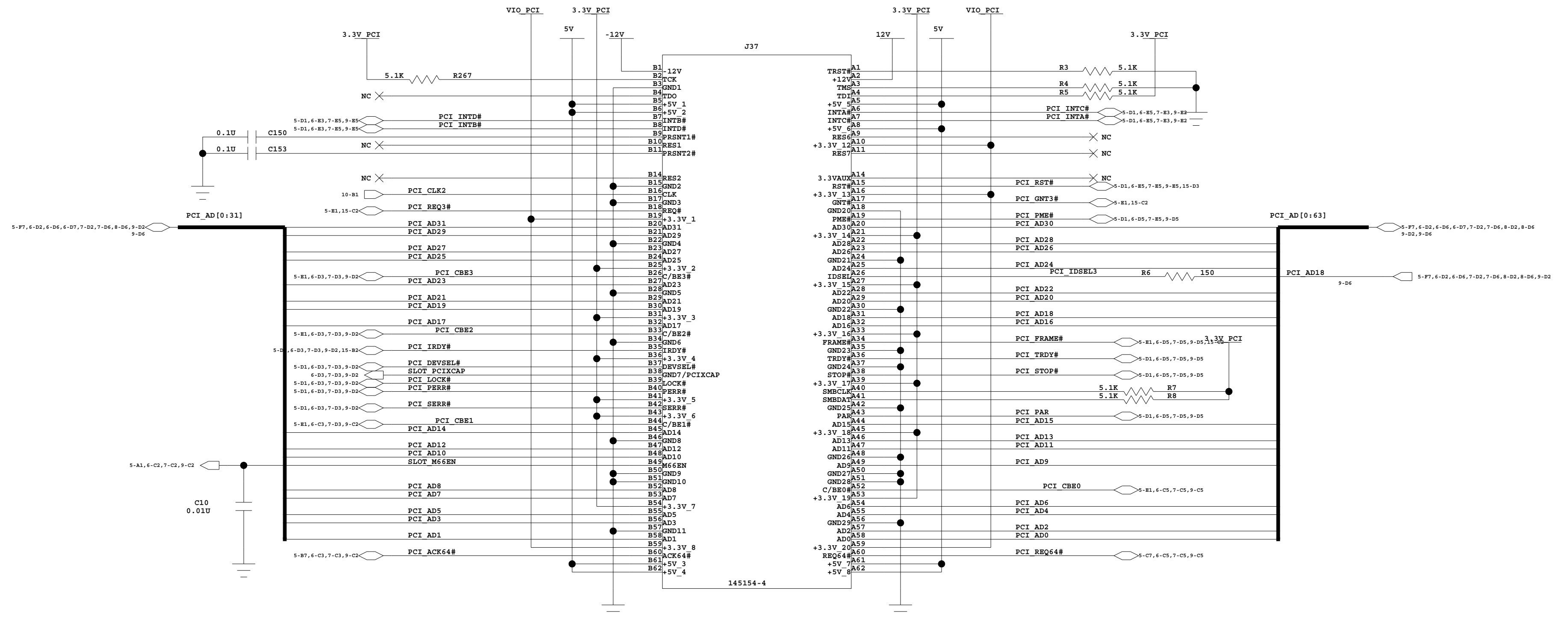
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PCI SLOT 3 (Vertical)

IDSEL AD18
 - Required Interrupt Routing
 SLOT : BRIDGE
 INTA -> INTC
 INTB -> INTD
 INTC -> INTA
 INTD -> INTB

 - PCI Clock PCI_CLK2

 - PCI Arbitration PCI_GNT#3/PCI_REQ#3



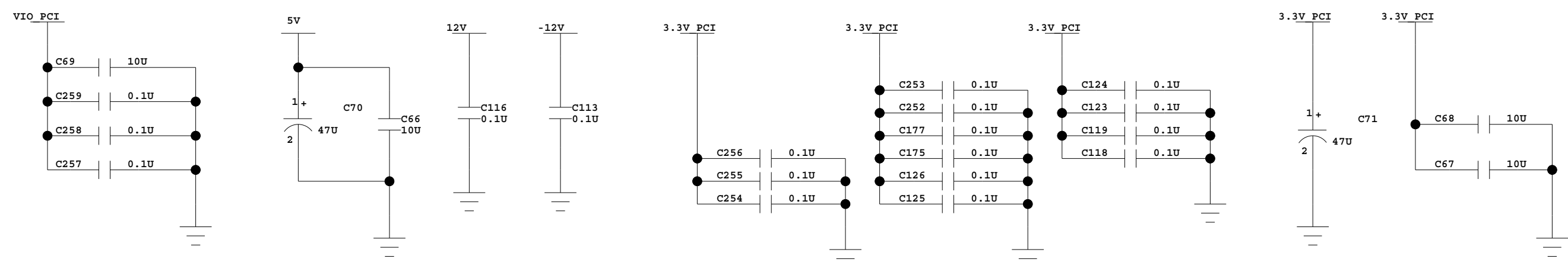
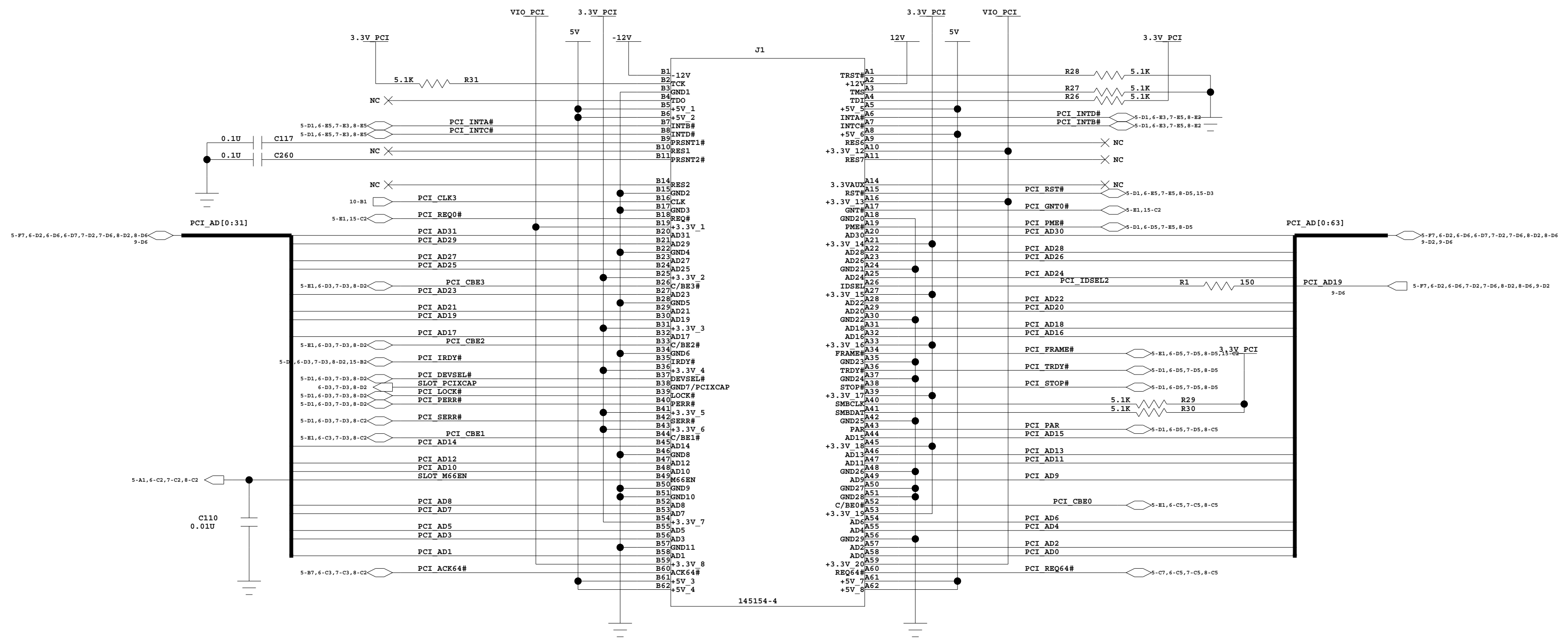
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PCI SLOT 3			
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PCI SLOT 2 (Vertical)

IDSEL AD19
 - Required Interrupt Routing
 SLOT : BRIDGE
 INTA -> INTD
 INTB -> INTA
 INTC -> INTB
 INTD -> INTC

 - PCI Clock PCI_CLK3

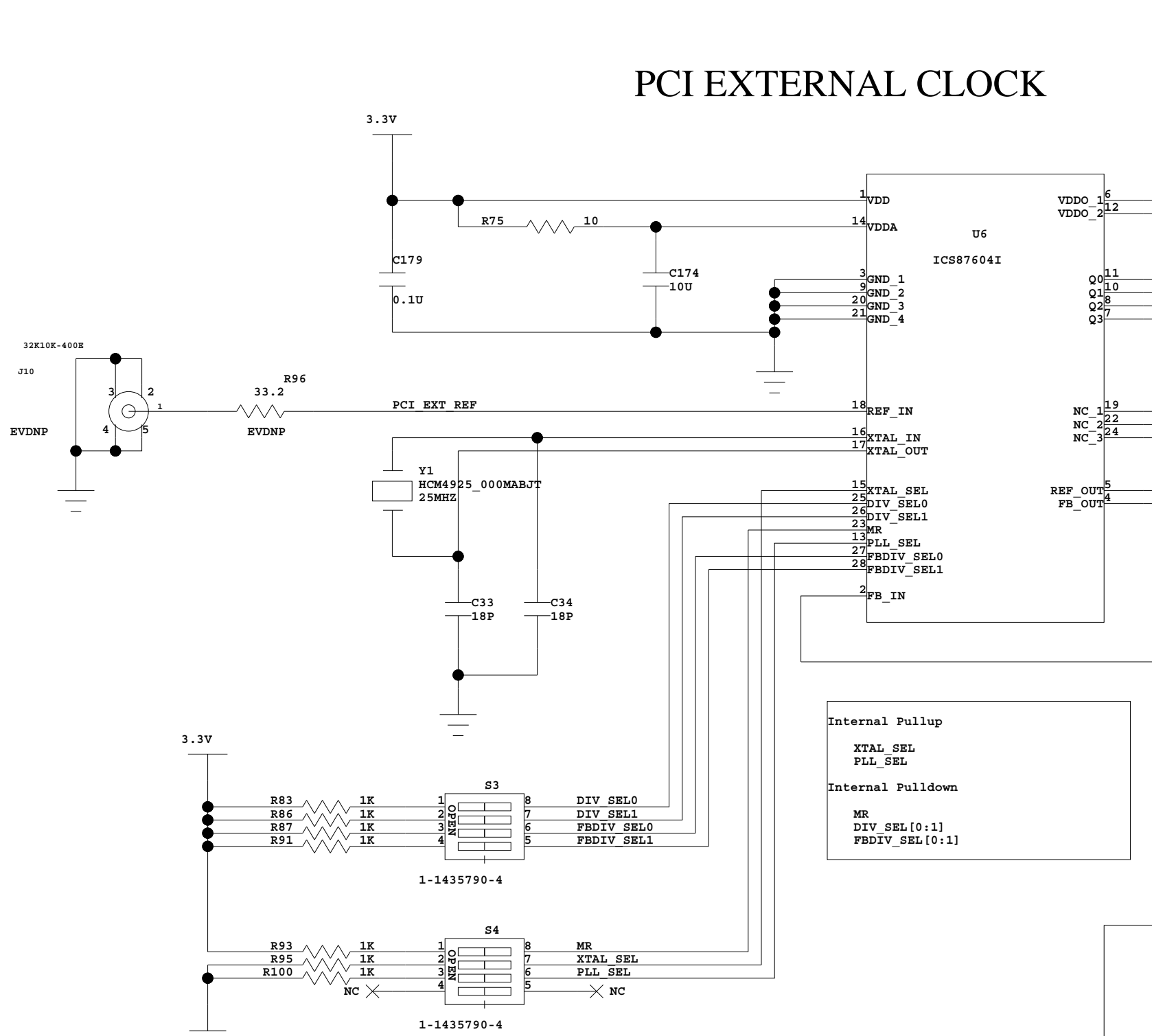
 - PCI Arbitration PCI_GNT0#/PCI_REQ#0



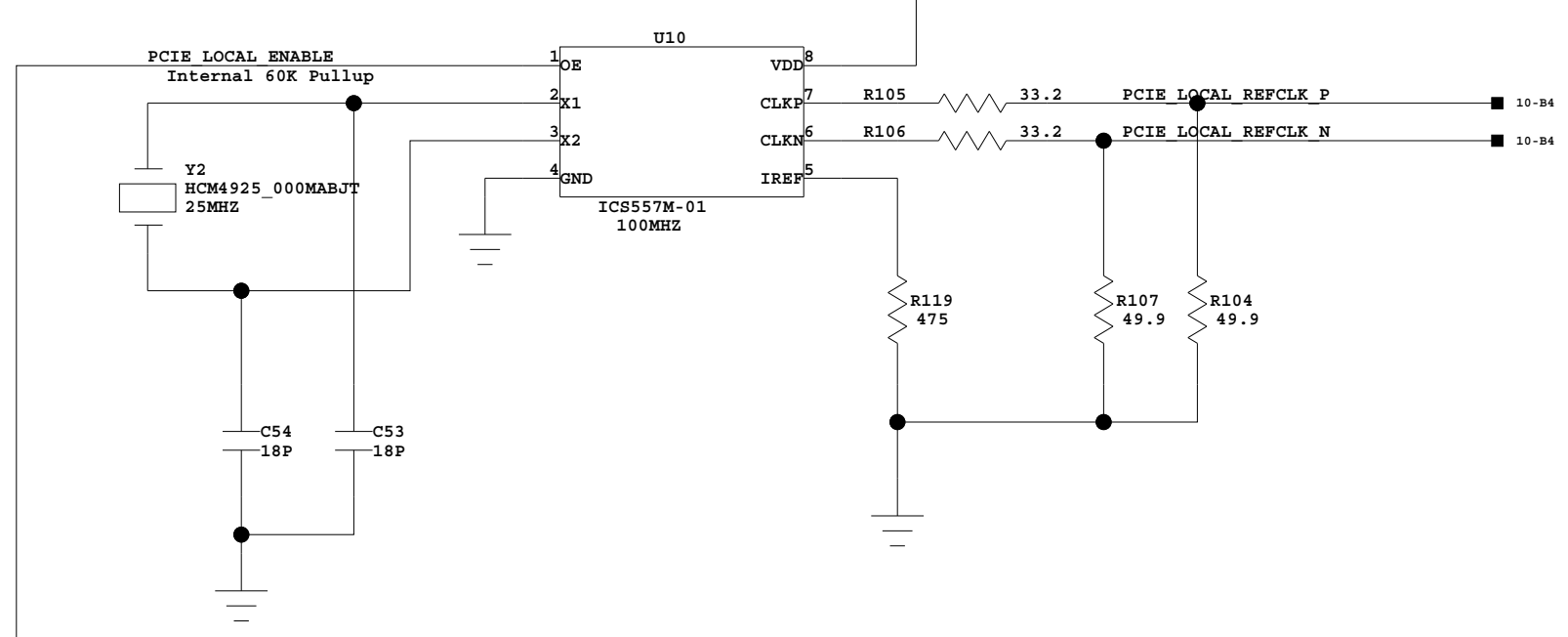
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CLOCK DISTRIBUTION

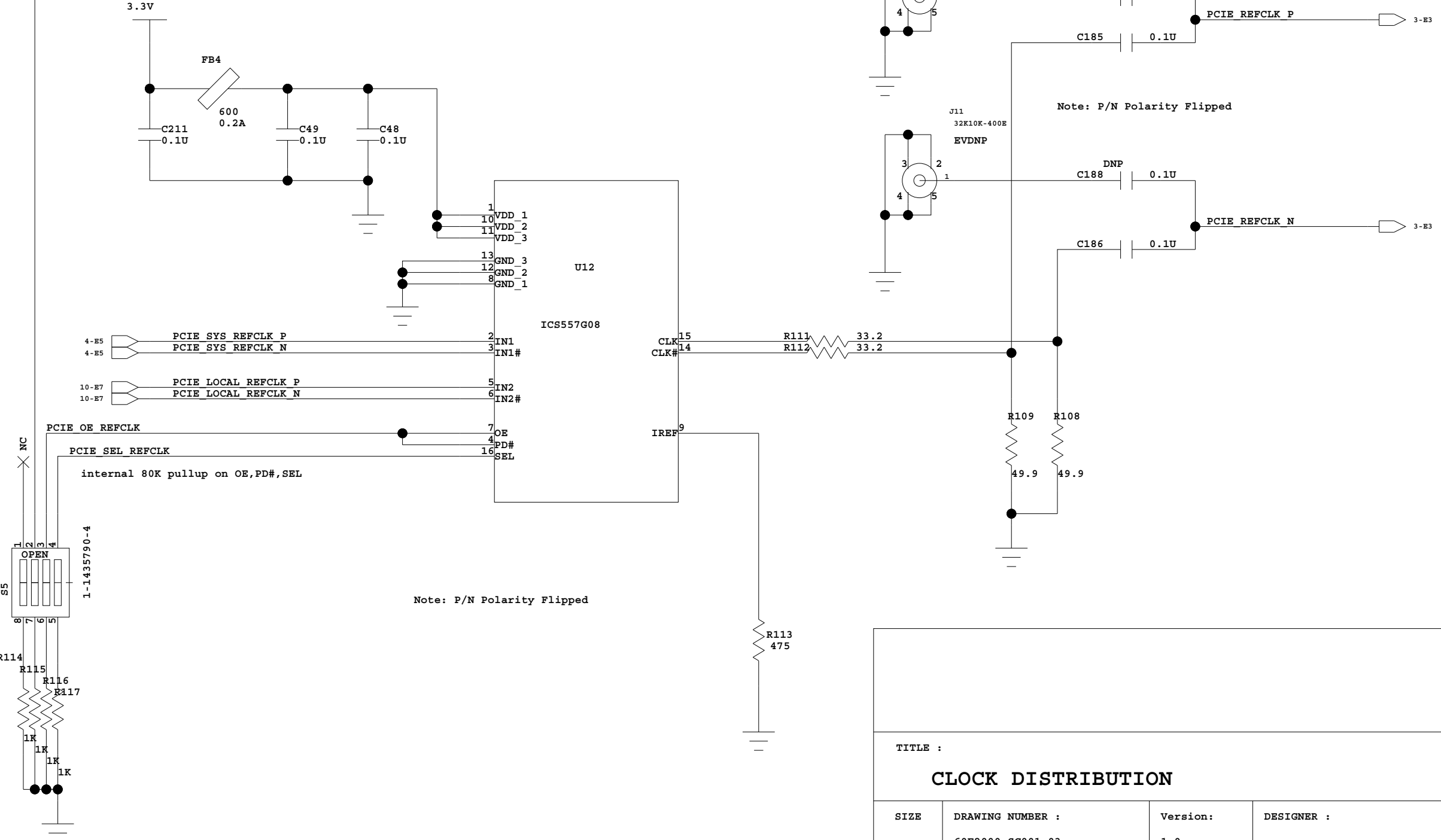
PCI EXTERNAL CLOCK



PCIe LOCAL CLOCKGEN

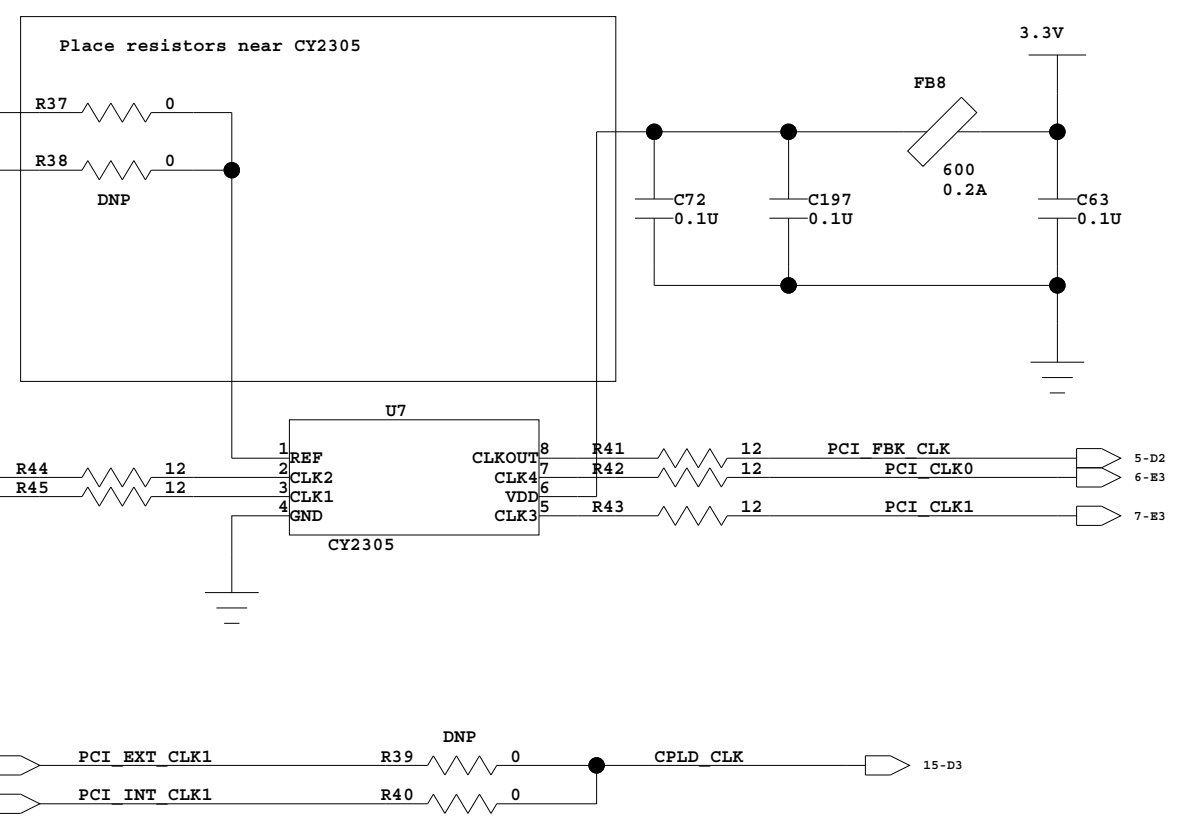


SYS/LOCAL PCIe CLOCK MULTIPLEXER



Frequency Select (ICS87604I)

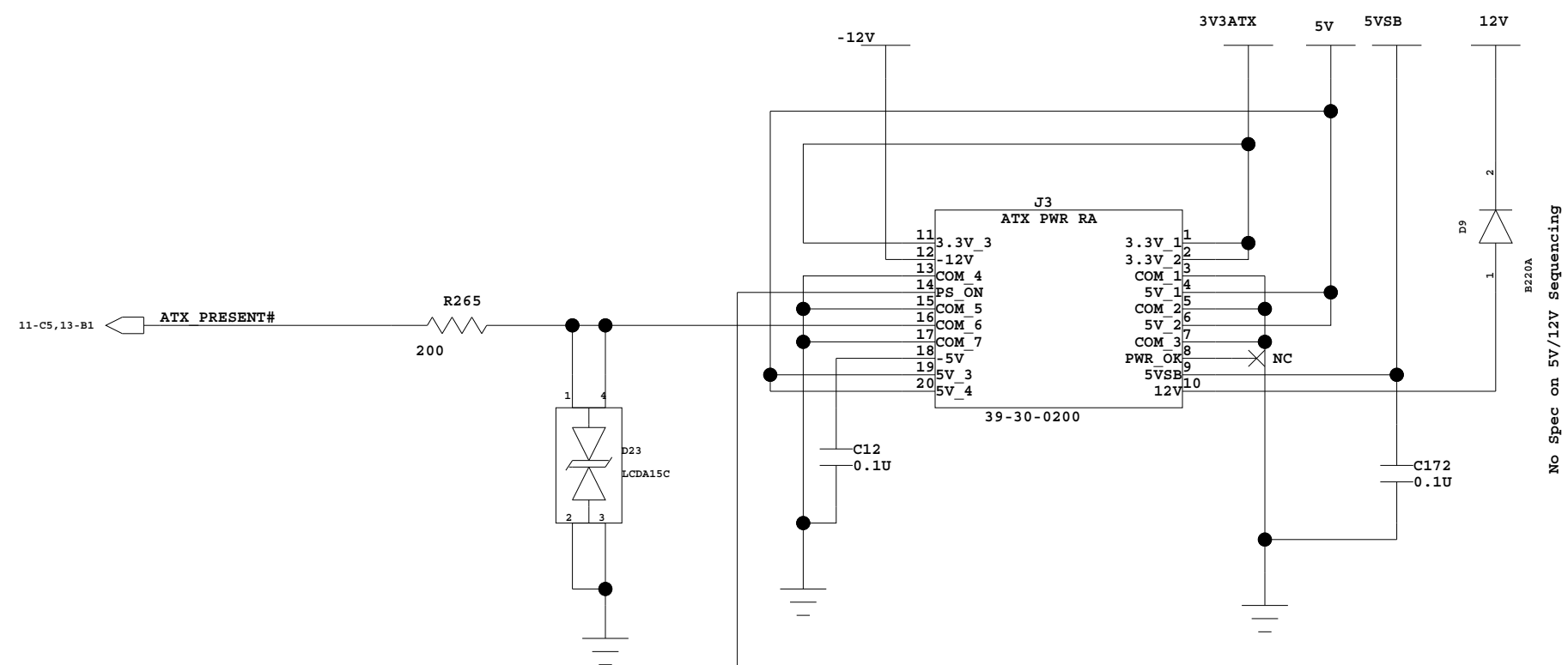
FBDIV_SEL[0:1]	DIV_SEL[0:1]	OUTPUT
0:0	0:0	100Mhz
0:0	1:0	50Mhz
0:0	1:1	25Mhz
0:1	0:0	133Mhz
0:1	1:0	66Mhz
0:1	1:1	33Mhz



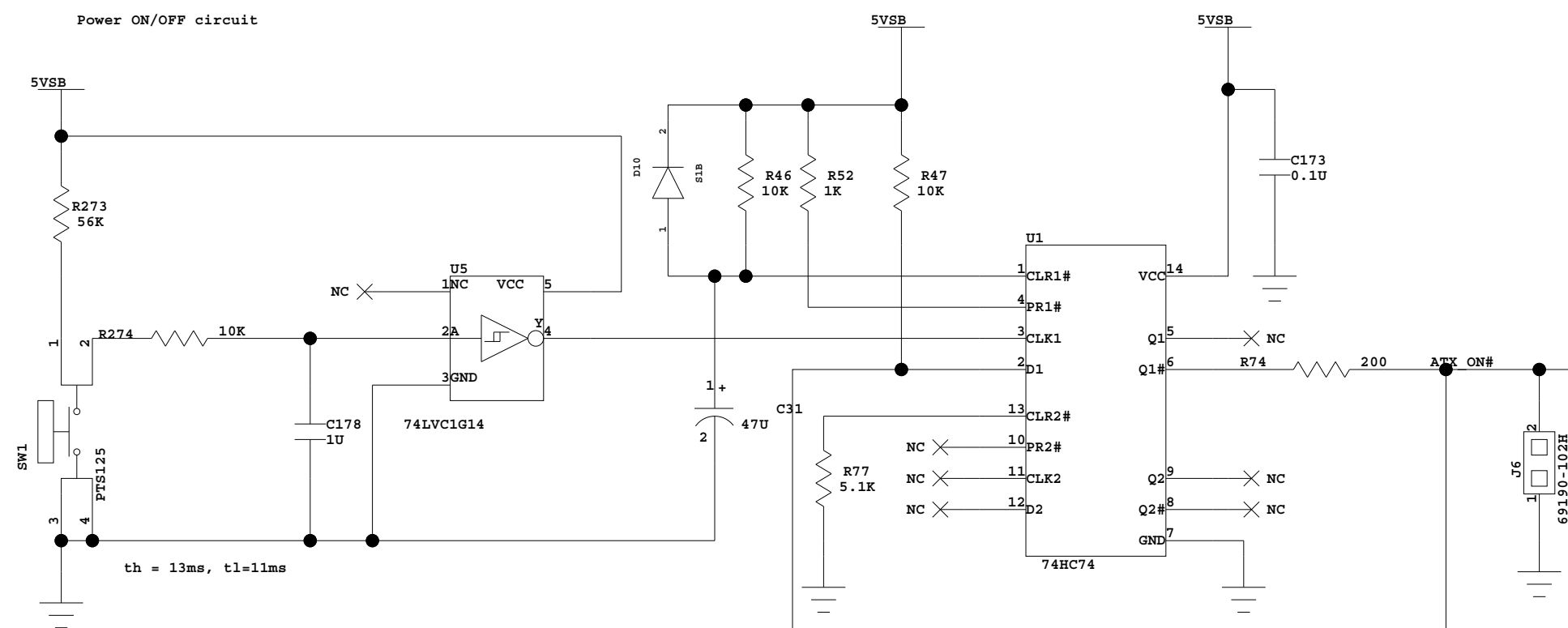
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CLOCK DISTRIBUTION			
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POWER SOURCES

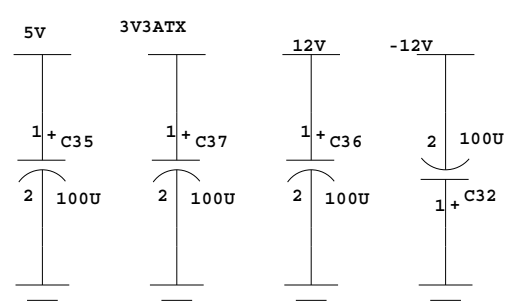
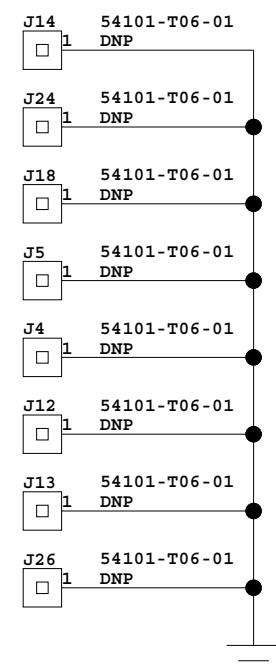
ATX



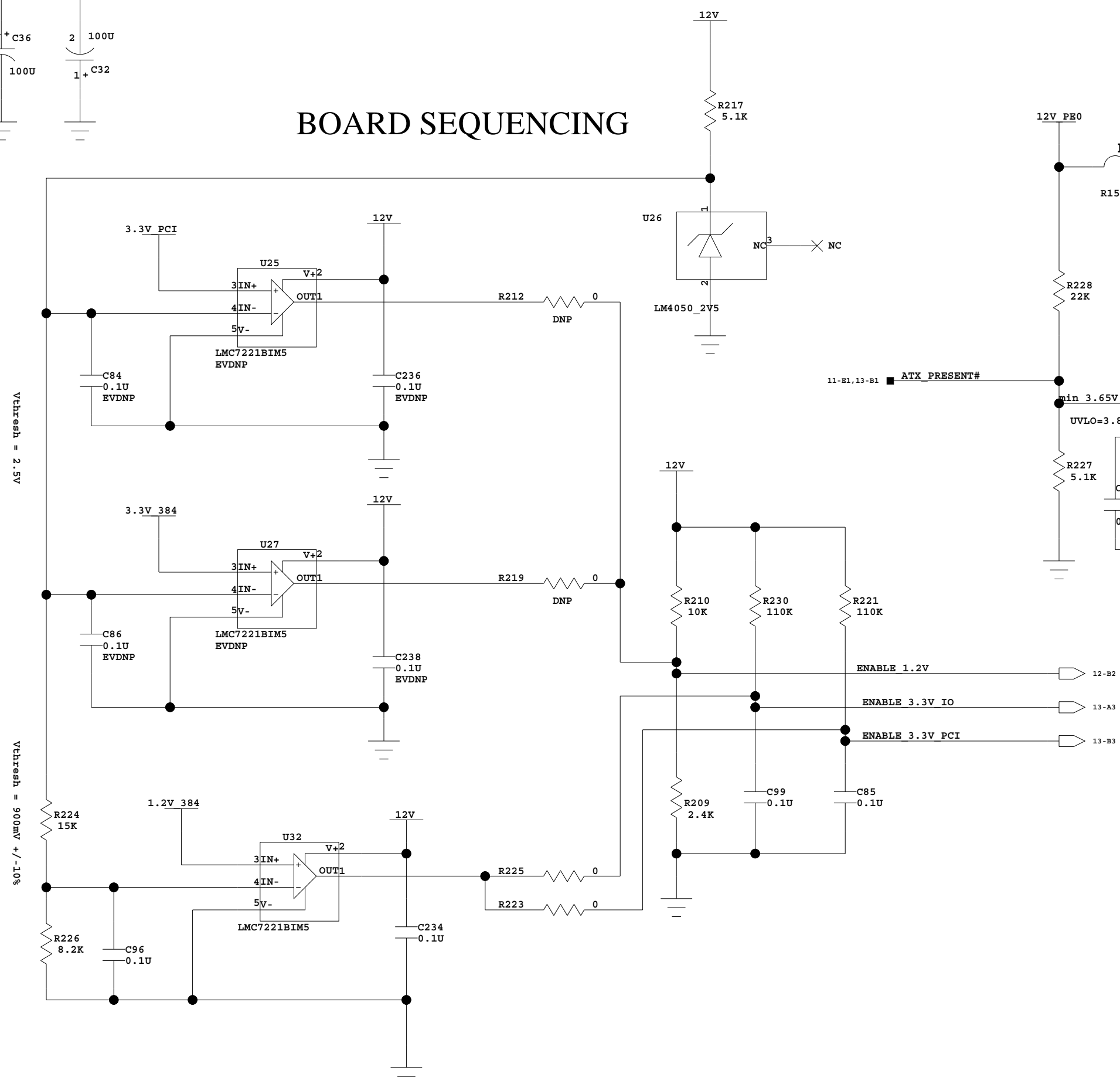
ATX SUPPLY TOGGLE



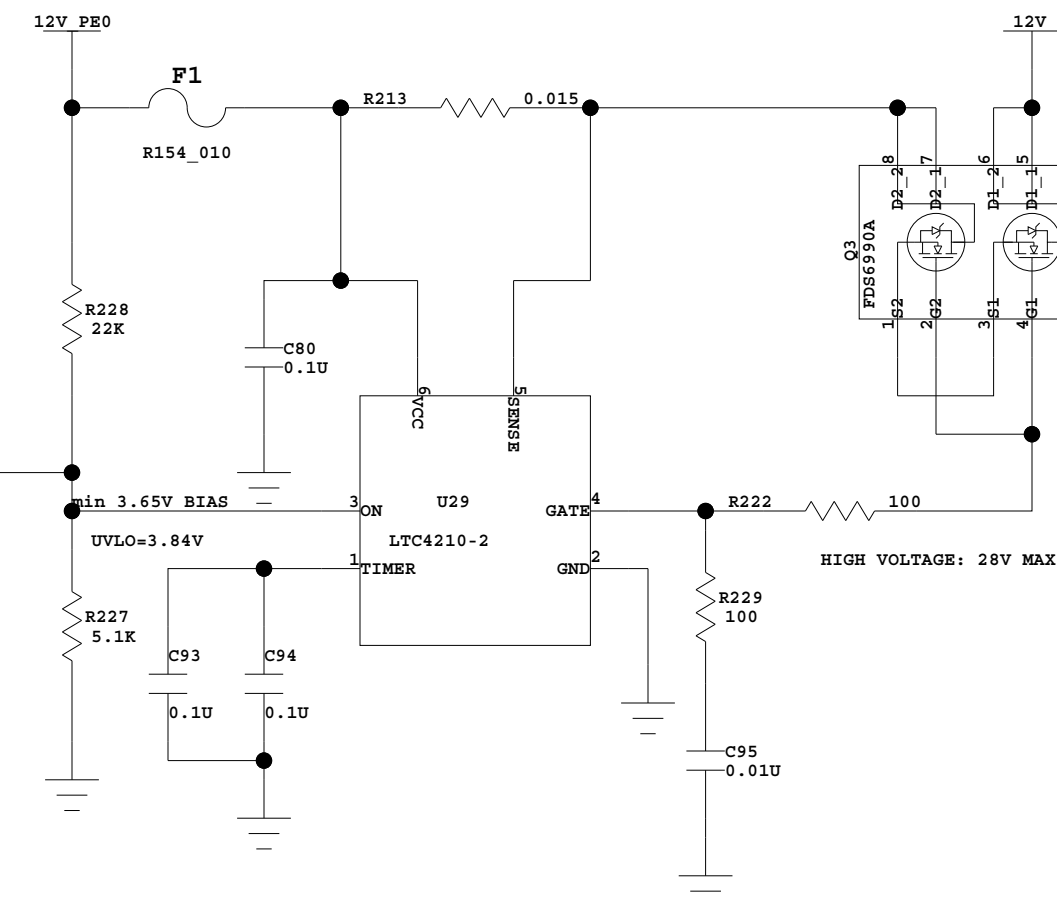
GND TESTPOINTS



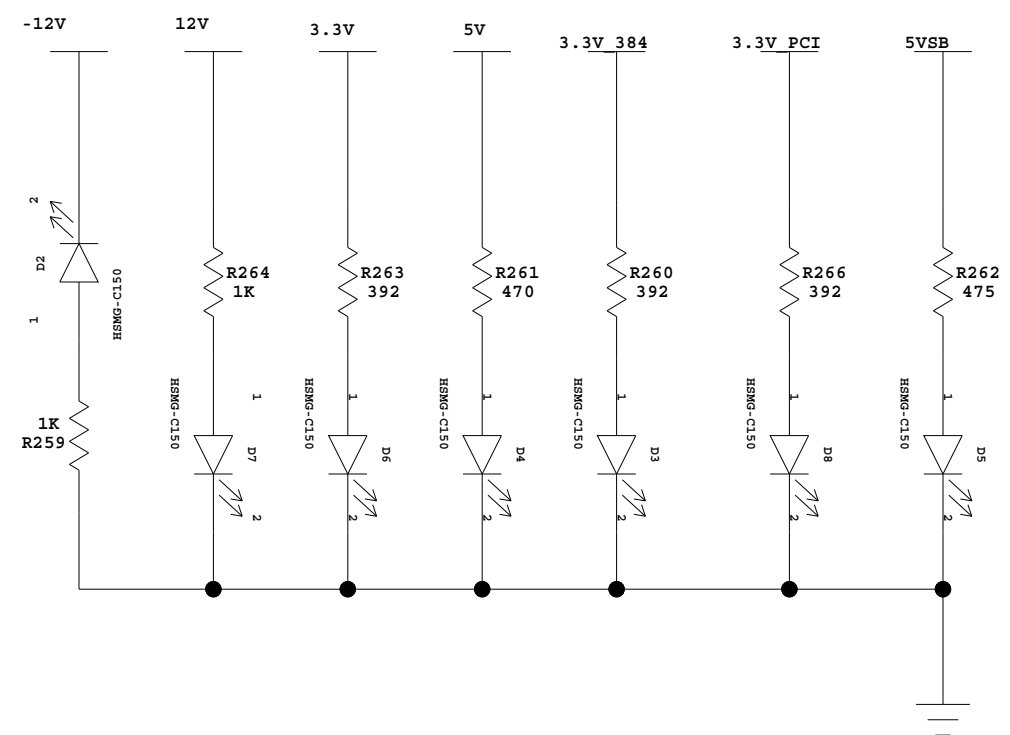
BOARD SEQUENCING



SYS SUPPLY SWITCH

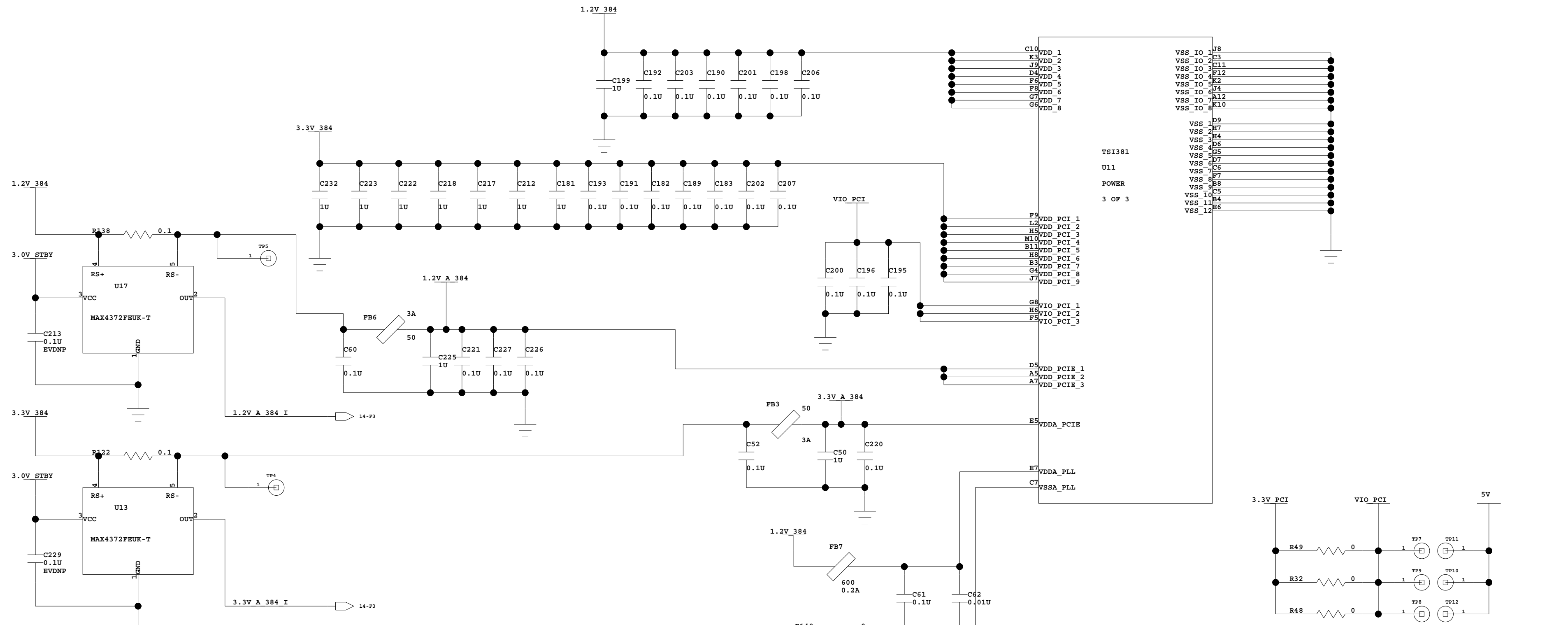


POWER STATUS



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TSI381 POWER/REGULATORS

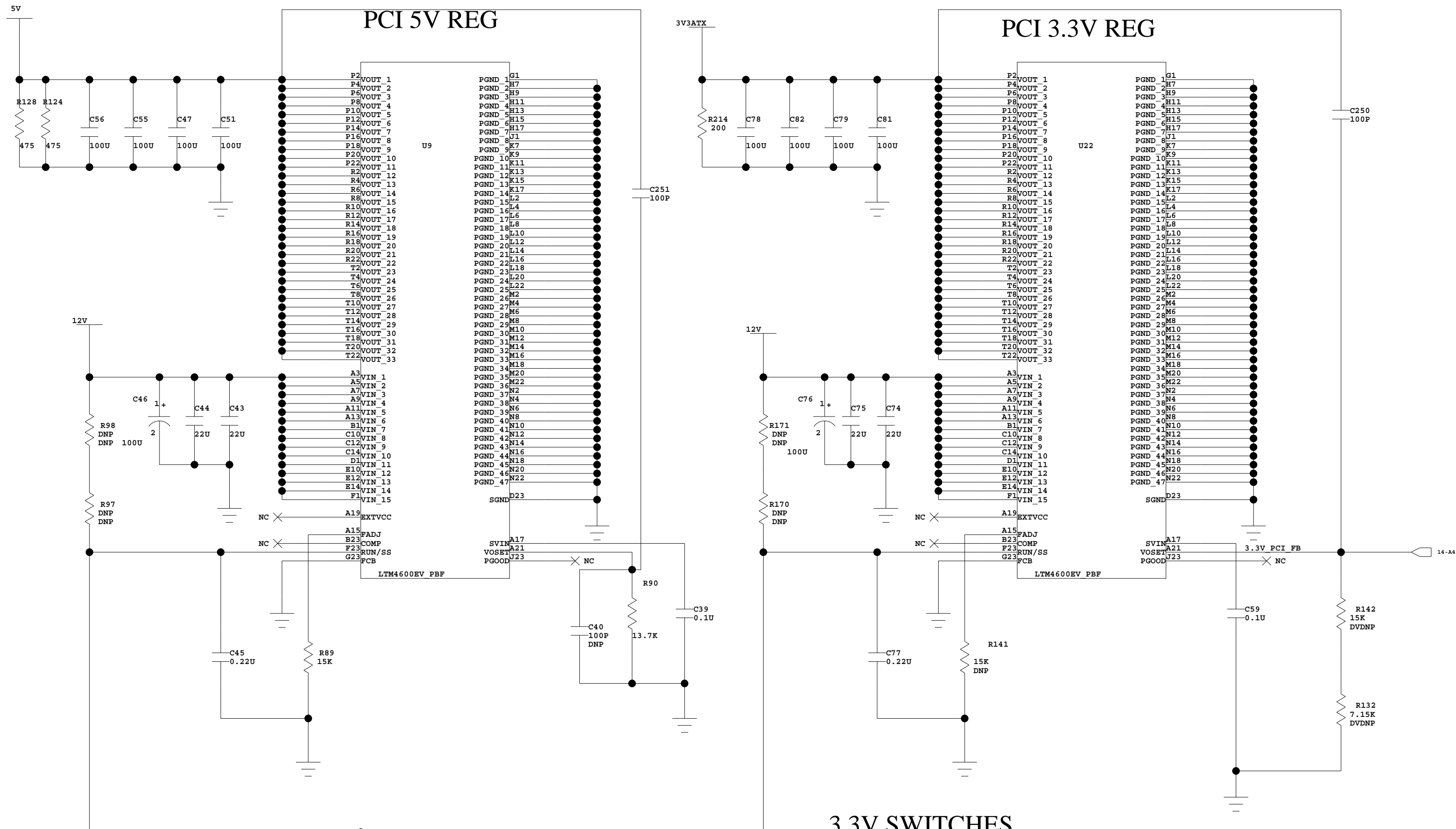


TSI381 VDD REG

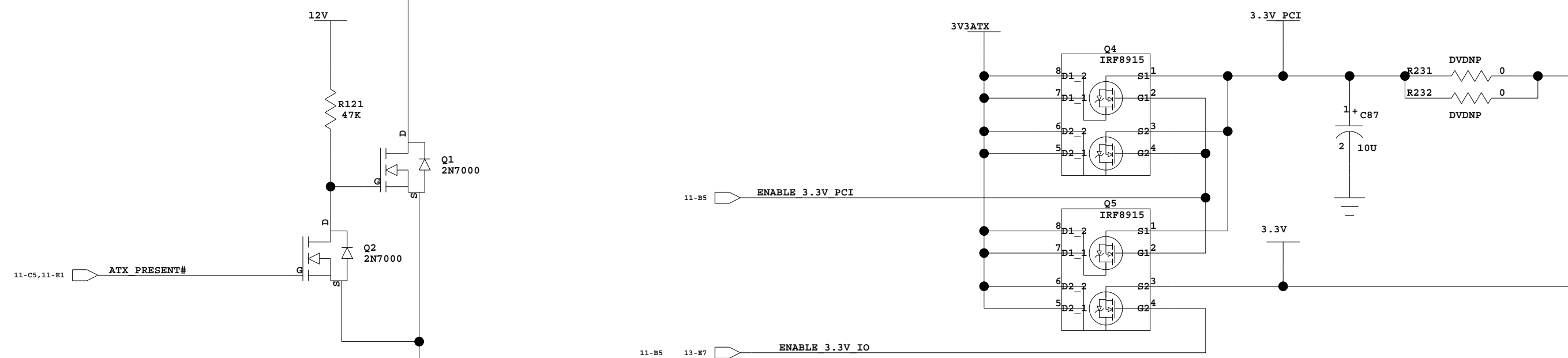
TSI381 VIO CURRENT SENSE

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Tsi381 POWER/REGULATORS			
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PCI POWER REGULATORS



3.3V SWITCHES

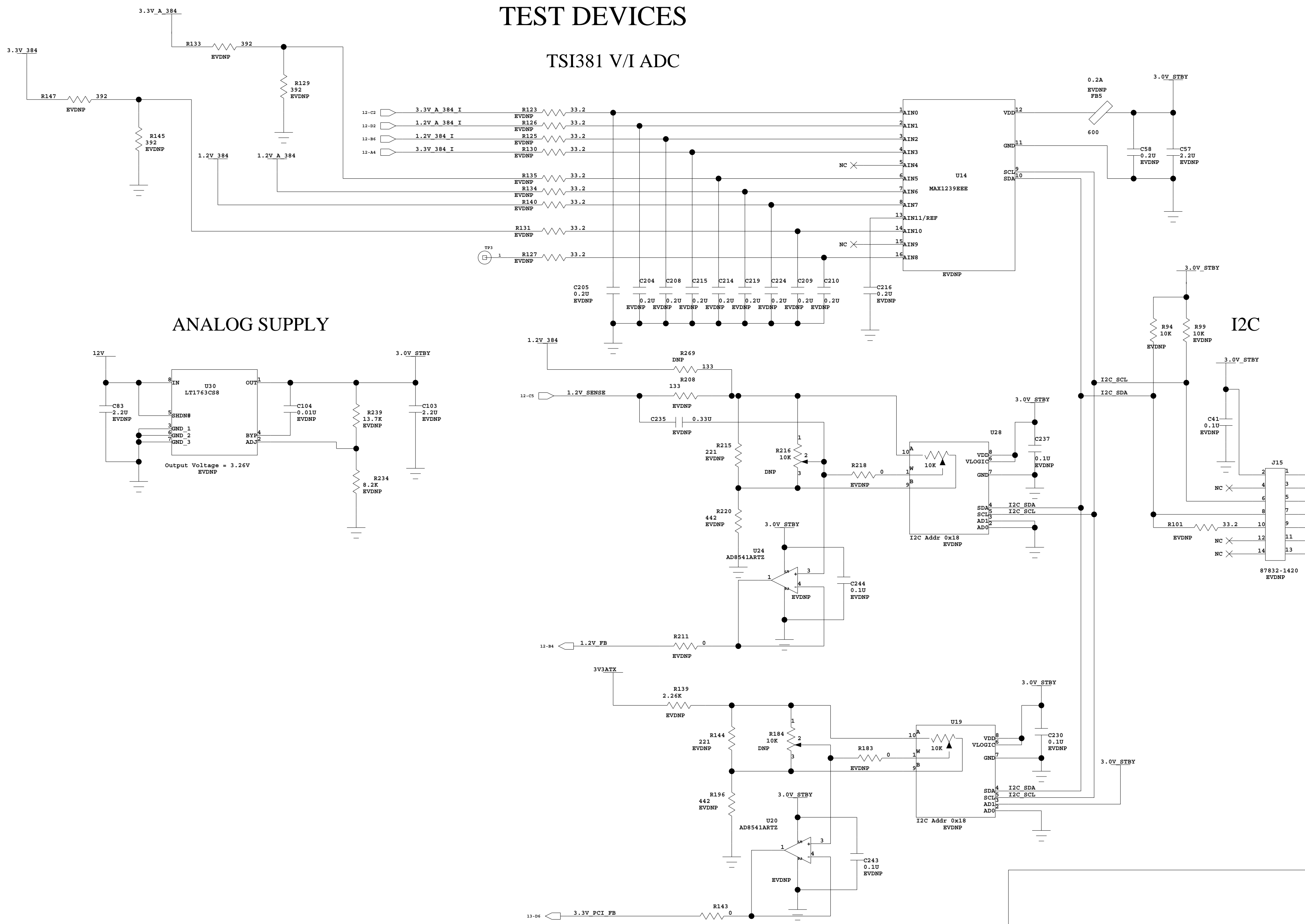


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PCI POWER REGULATORS			
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TEST DEVICES

TSI381 V/I ADC

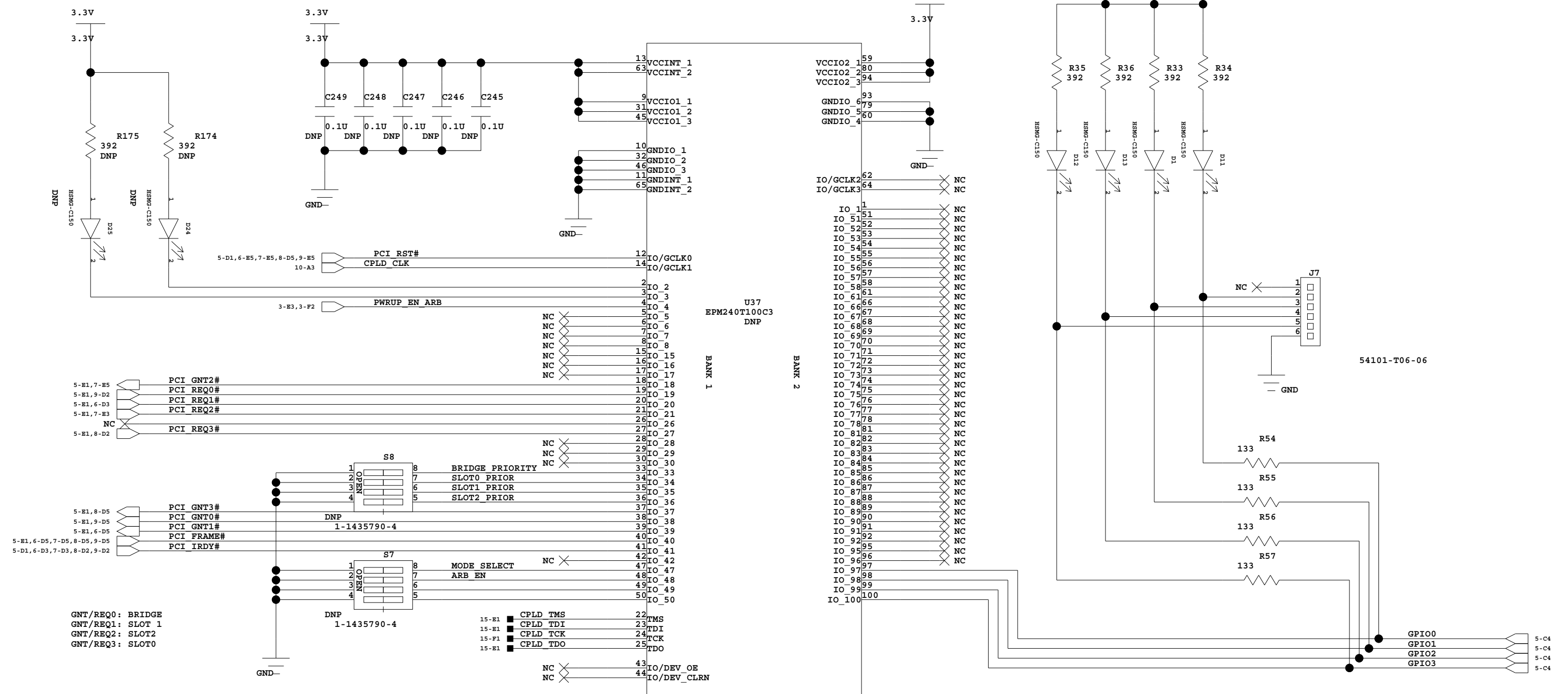
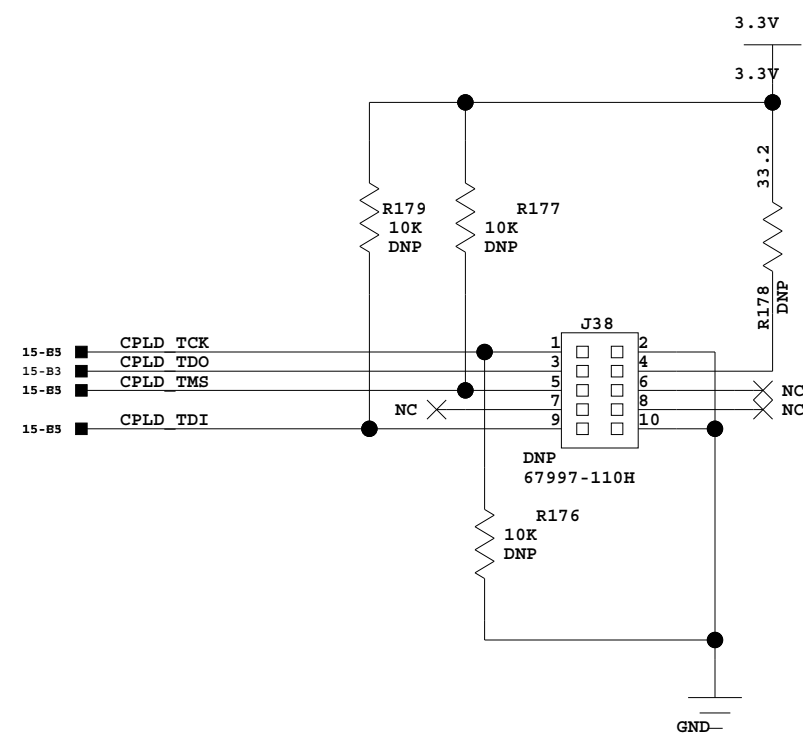
ANALOG SUPPLY



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TEST DEVICES			
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TEST DEVICES CONT'D

PCIARBITER/GPIO CONTROL



TITLE :			
TEST DEVICES CONT'D			
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