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Power Supply Unit
Front Page

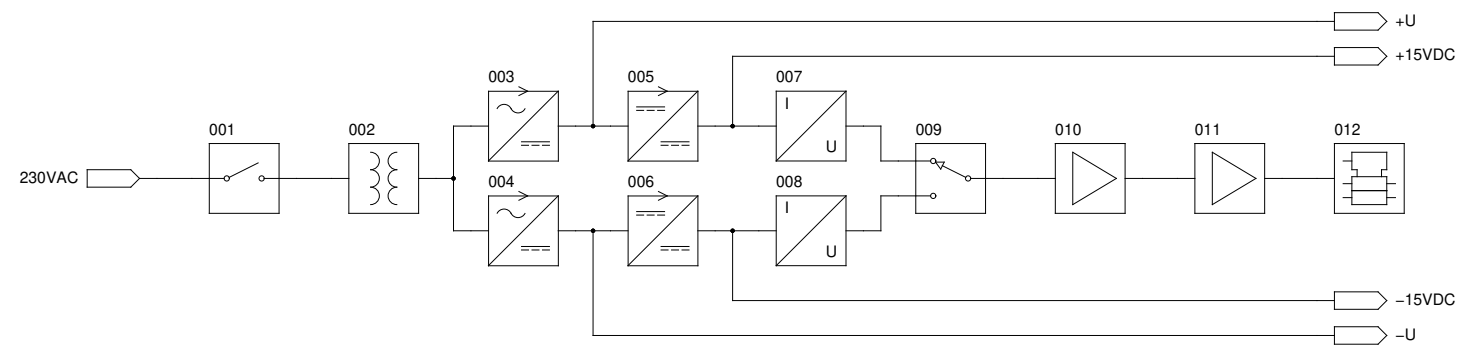
TITLE PSU

FILE: 31.000.00.00.01.sch

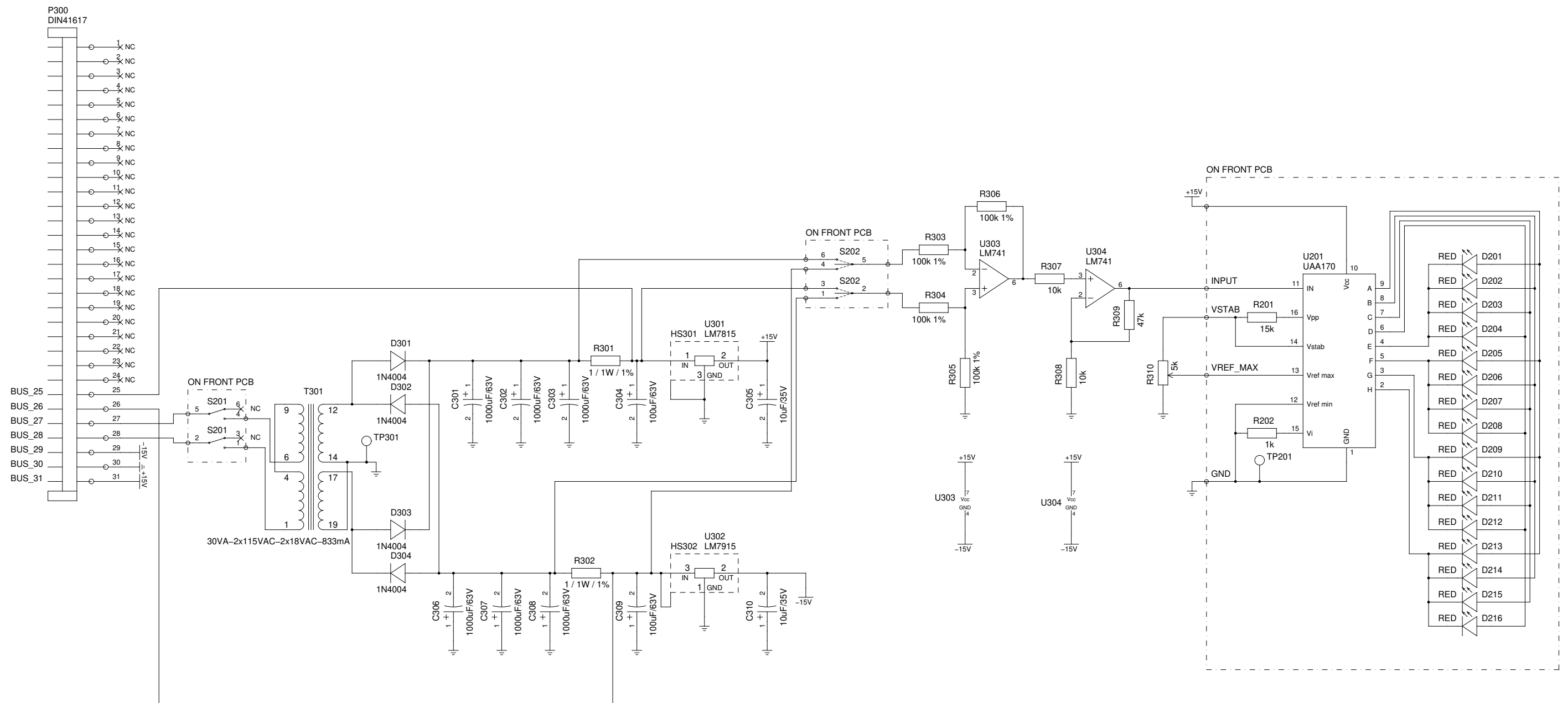
REVISION: 20220410

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Power Supply Unit block diagram PSU			
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.TITLE POWER SUPPLY UNIT – POWER STAGE – Transient response

.INCLUDE transformer.subckt
.INCLUDE bridge.subckt

Vin 1 0 AC 240 SIN(0 325 50)

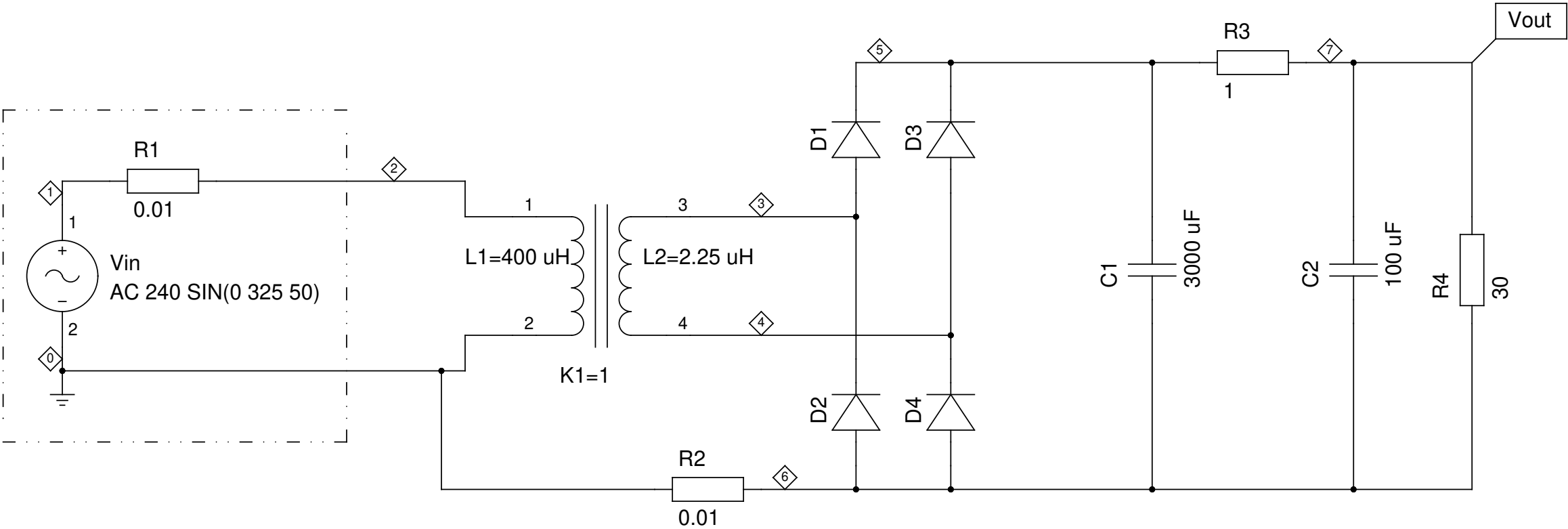
X1 0 1 2 3 transformer
X2 2 3 4 5 bridge
C1 4 5 30000u
C2 6 5 100u
R1 4 6 1
R2 6 5 300
R3 0 5 0.1

.PRINT OP Iter(0) V(1)

.PRINT TRAN V(1) V(2) V(3) V(4) V(5) V(6)

* FROM TO STEP
.TRAN 0 0.025 TRACE ALL

.END



Power Supply Unit – Main board – Power Stage (for simulation)
schematic

TITLE POWER_SUPPLY_UNIT

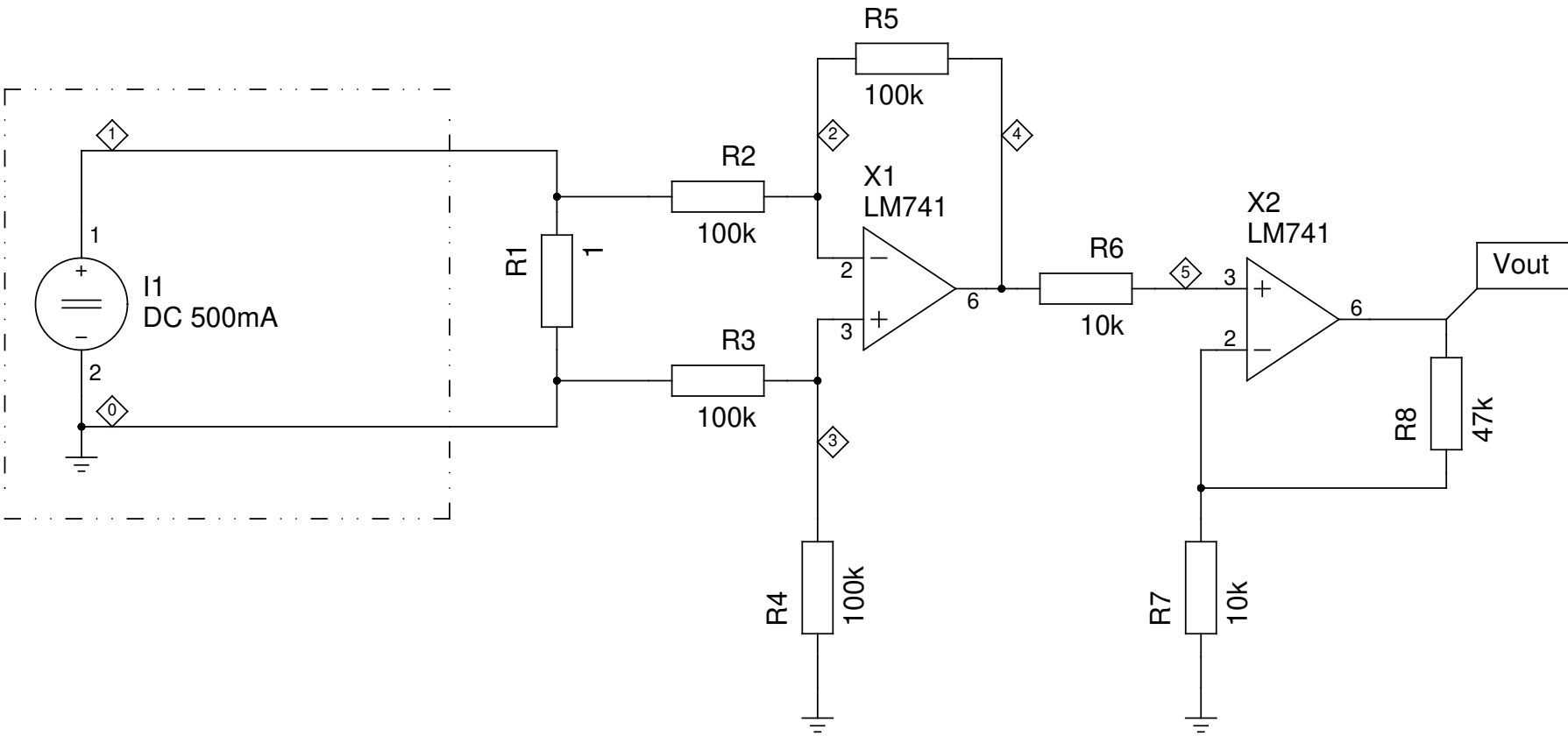
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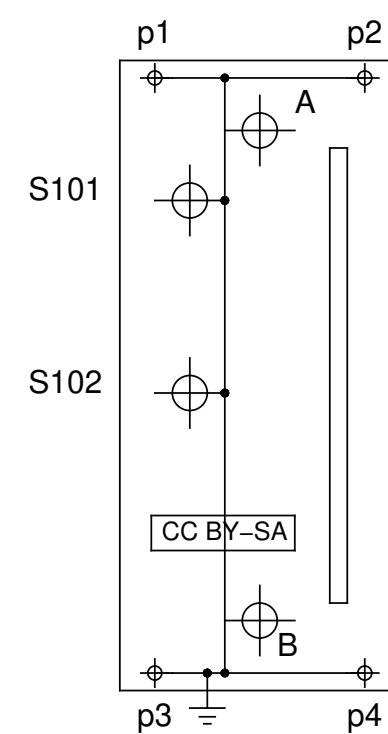
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A3



Mounting holes:

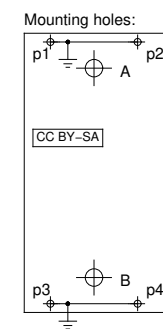
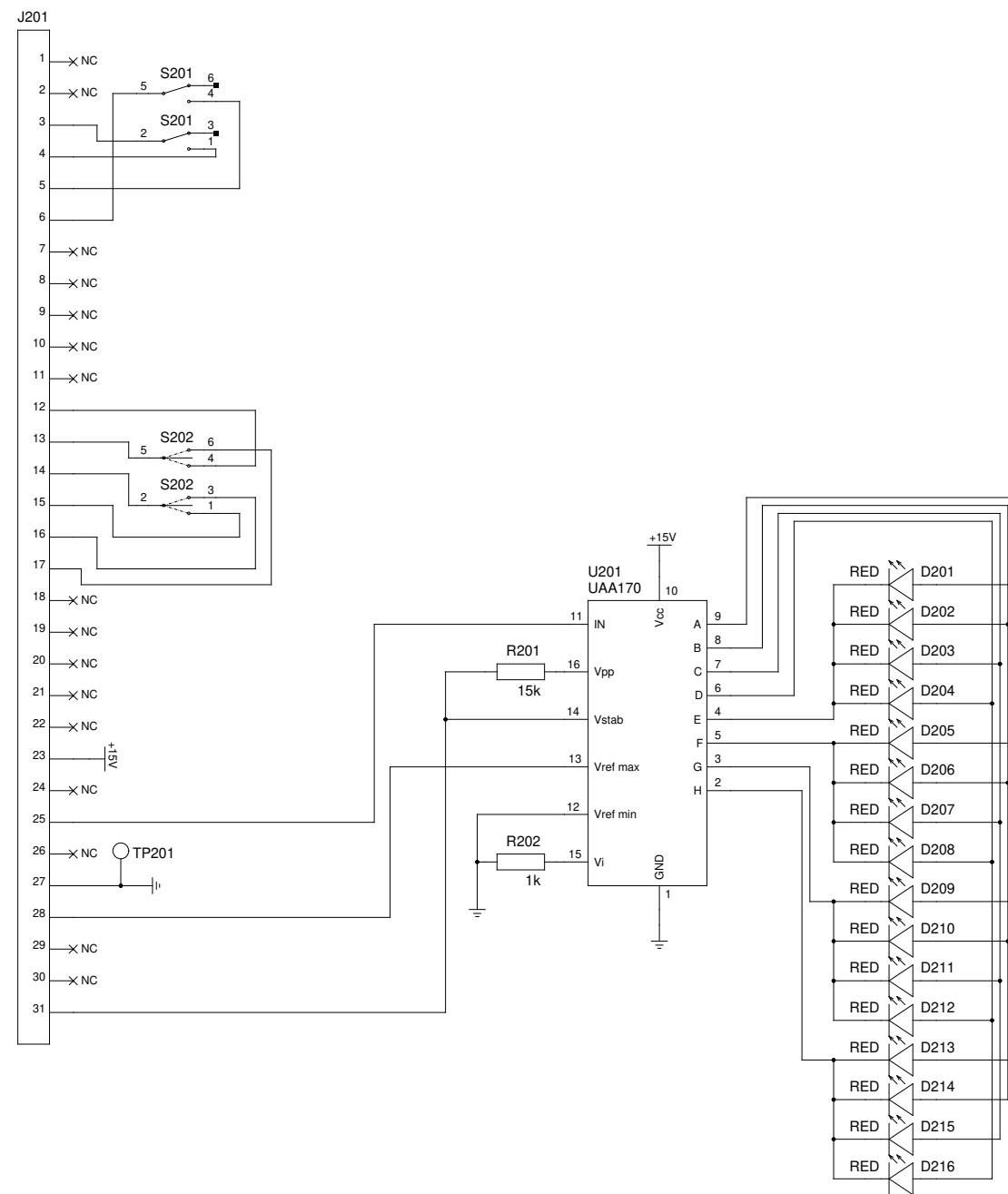


Power Supply Unit – Front Panel (DFM)
schematic
TITLE PSU

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Power Supply Unit – Front PCB (DFM)
schematic

TITLE PSU

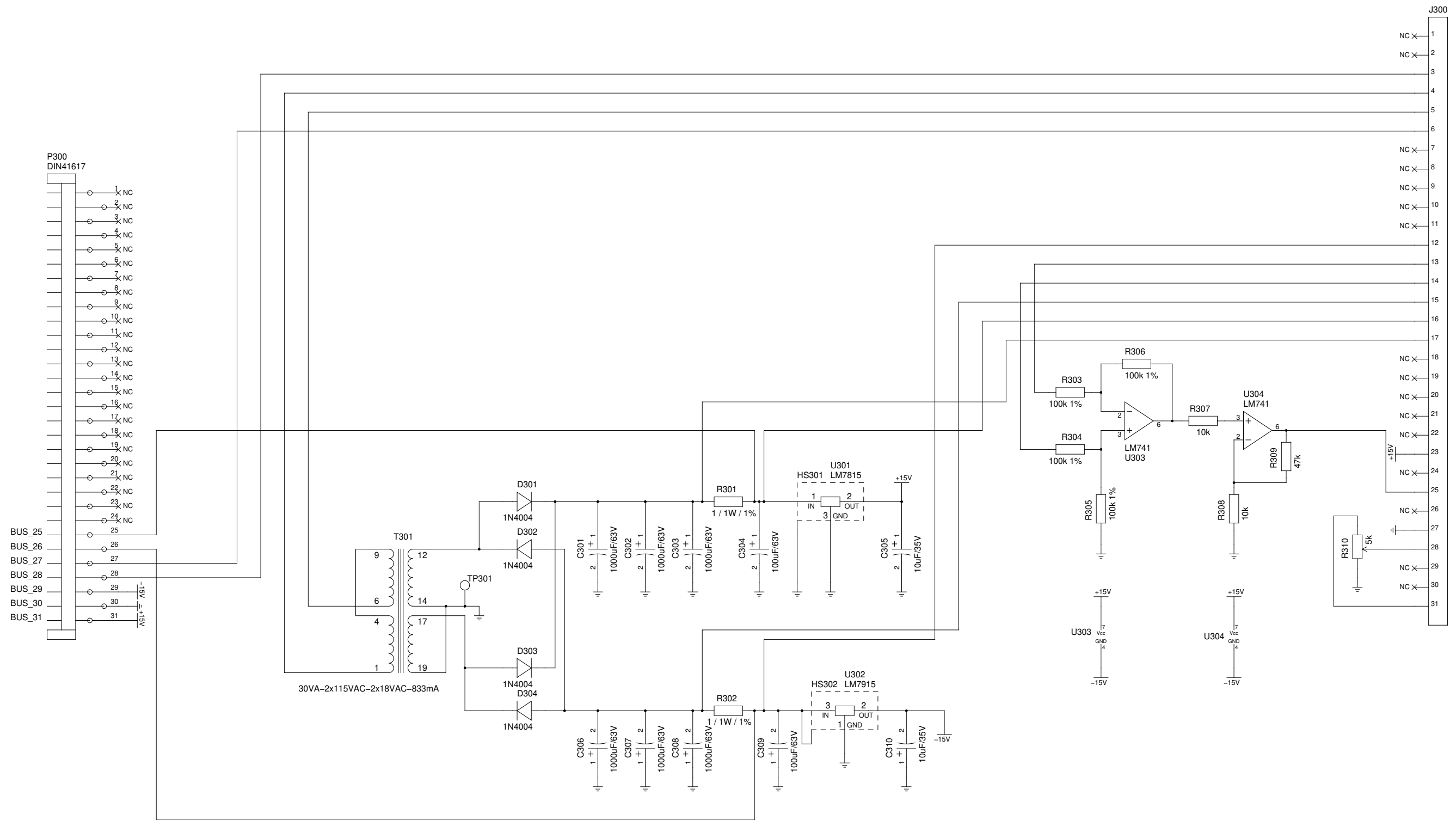
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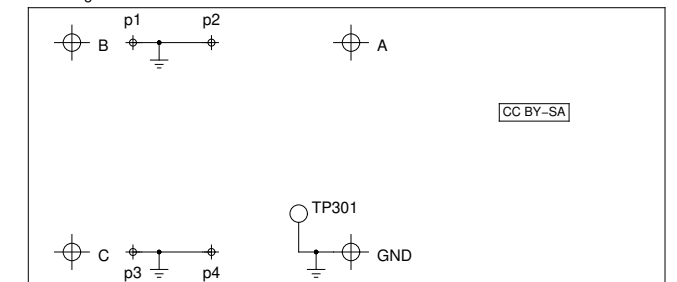
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Mounting holes:



Power Supply Unit - Main PCB (DFM)
schematic

TITLE: PSU

FILE: 31.003.00.01.02.sch

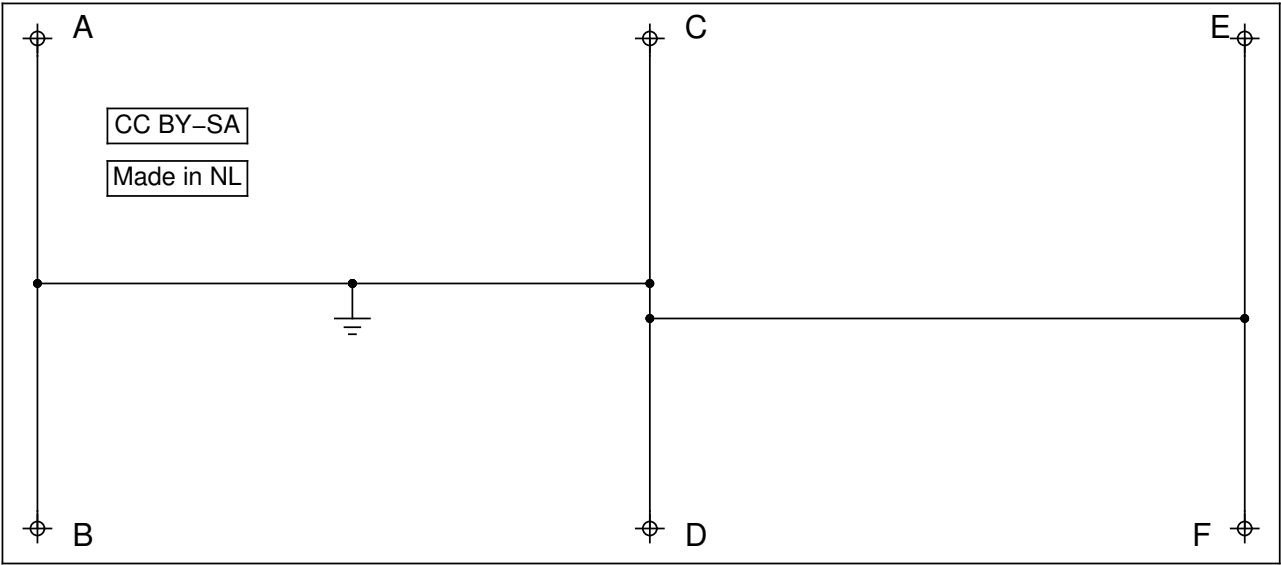
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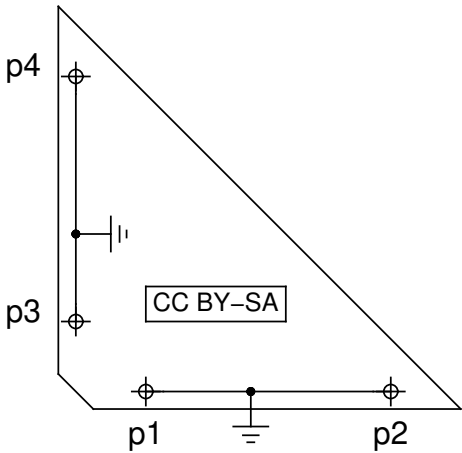
A1

Mounting holes:



Power Supply Unit – Shielding PCB (DFM) schematic TITLE PSU		
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Mounting holes:



Power Supply Unit – Strut PCB (DFM) schematic TITLE PSU			
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