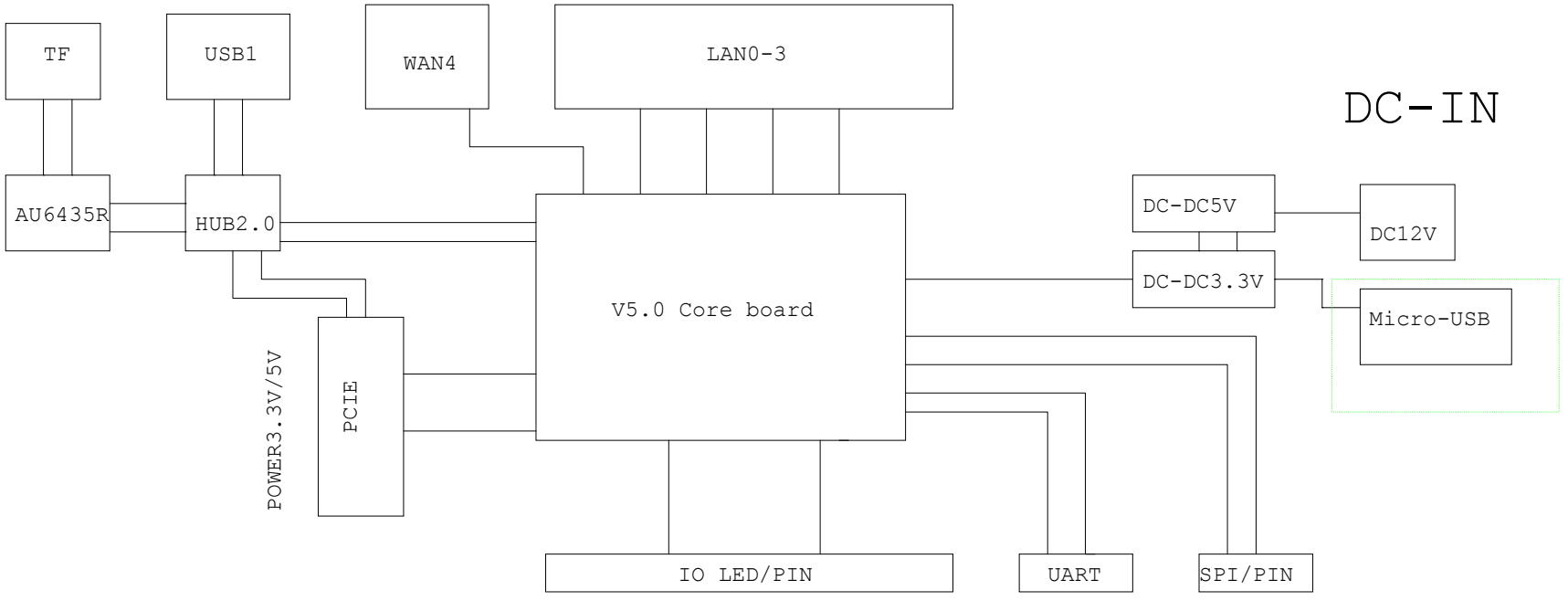

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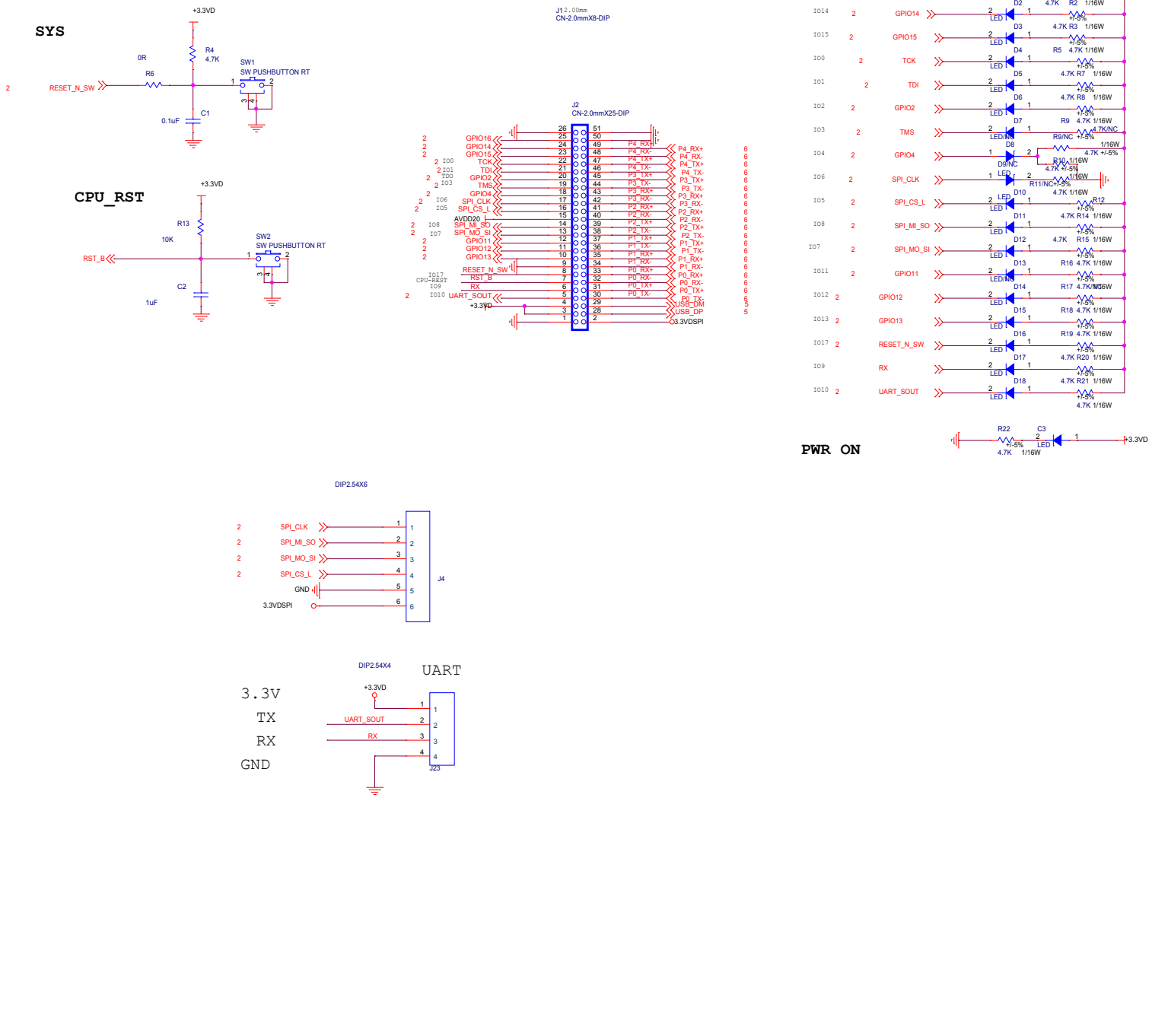

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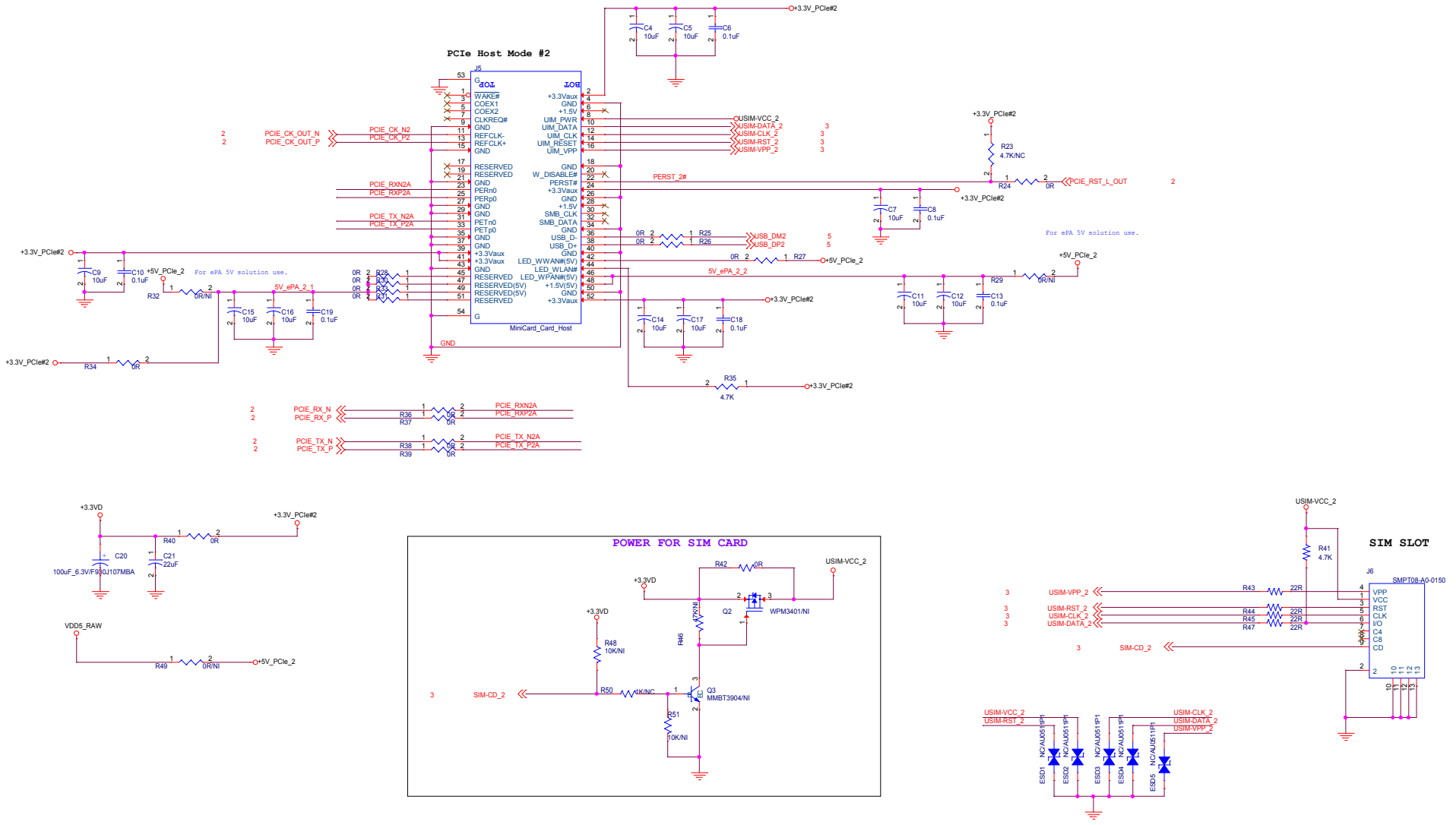
PCIe Host Mode #2
J5
MiniCard_Card_Host
TOP
BOT
WAKE#
COEX1
COEX2
CLKREQ#
REFCLK-
REFCLK+
RESERVED
PERn0
PERp0
PETn0
PETp0
+3.3Vaux
+1.5V
UIM_PWR
UIM_DATA
UIM_CLK
UIM_RESET
UIM_VPP
W_DISABLE#
PERST#
SMB_CLK
SMB_DATA
USB_D-
USB_D+
LED_WWAN#(5V)
LED_WLAN#
LED_WPAN#(5V)
+1.5V(5V)
PCIE_CK_N2
PCIE_CK_P2
PCIE_RXN2A
PCIE_RXP2A
PCIE_TX_N2A
PCIE_TX_P2A
PCIE_CK_OUT_N
PCIE_CK_OUT_P
PCIE_RST_L_OUT
PERST_2#
USIM-VCC_2
USIM-DATA_2
USIM-CLK_2
USIM-RST_2
USIM-VPP_2
USB_DM2
USB_DP2
5V_ePA_2_1
5V_ePA_2_2
+5V_PCIe_2
+3.3V_PCIe#2
+3.3VD
VDD5_RAW
For ePA 5V solution use.
PCIE_RX_N
PCIE_RX_P
PCIE_TX_N
PCIE_TX_P
POWER FOR SIM CARD
Q2
WPM3401/NI
Q3
MMBT3904/NI
SIM-CD_2
SIM SLOT
J6
SMPT08-A0-0150
VPP
VCC
RST
CLK
I/O
C4
C8
CD
ESD1
ESD2
ESD3
ESD4
ESD5
NC/AUD51P1
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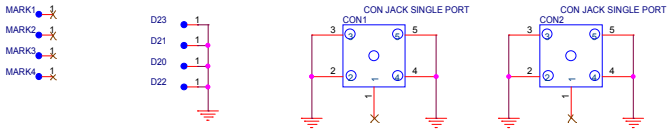
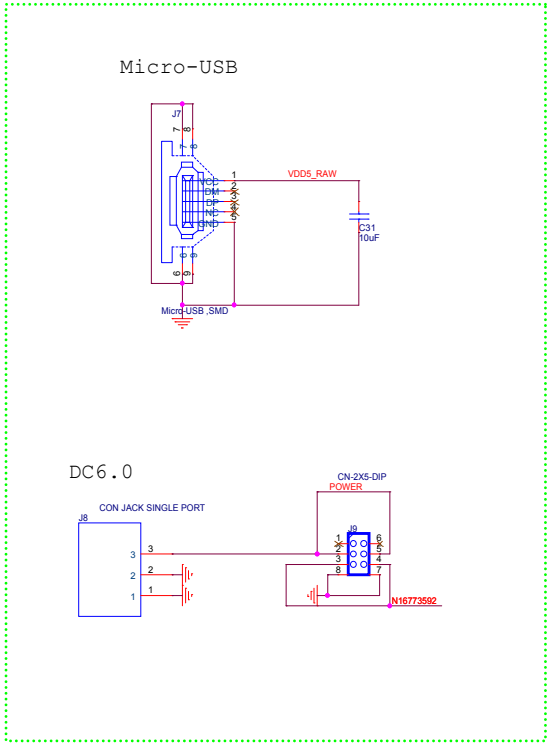
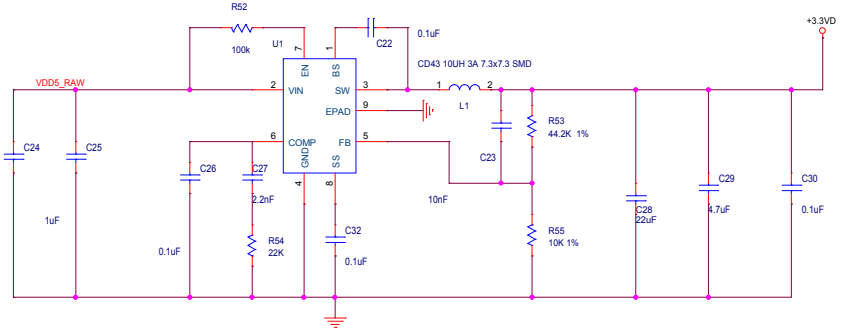
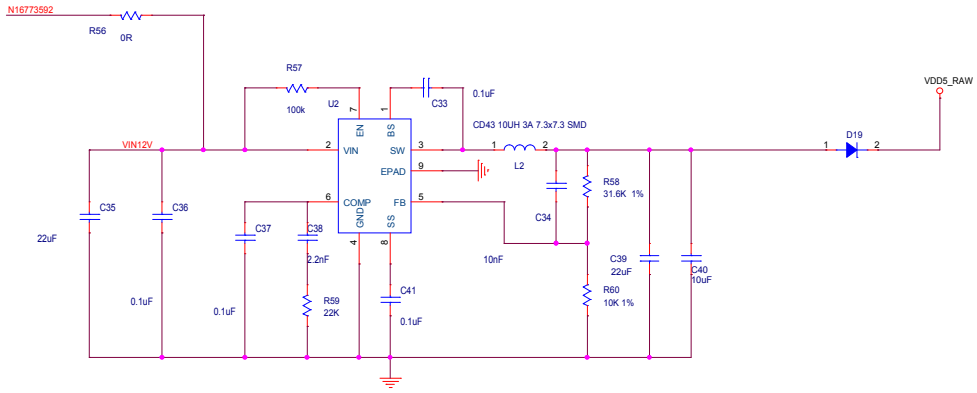


POWER IN DC6.0 12V (1A)or micro-usb 5V(2A)





0.6V*(1+267/59)=3.3V



0.925V*(1+44.2/10)=5V

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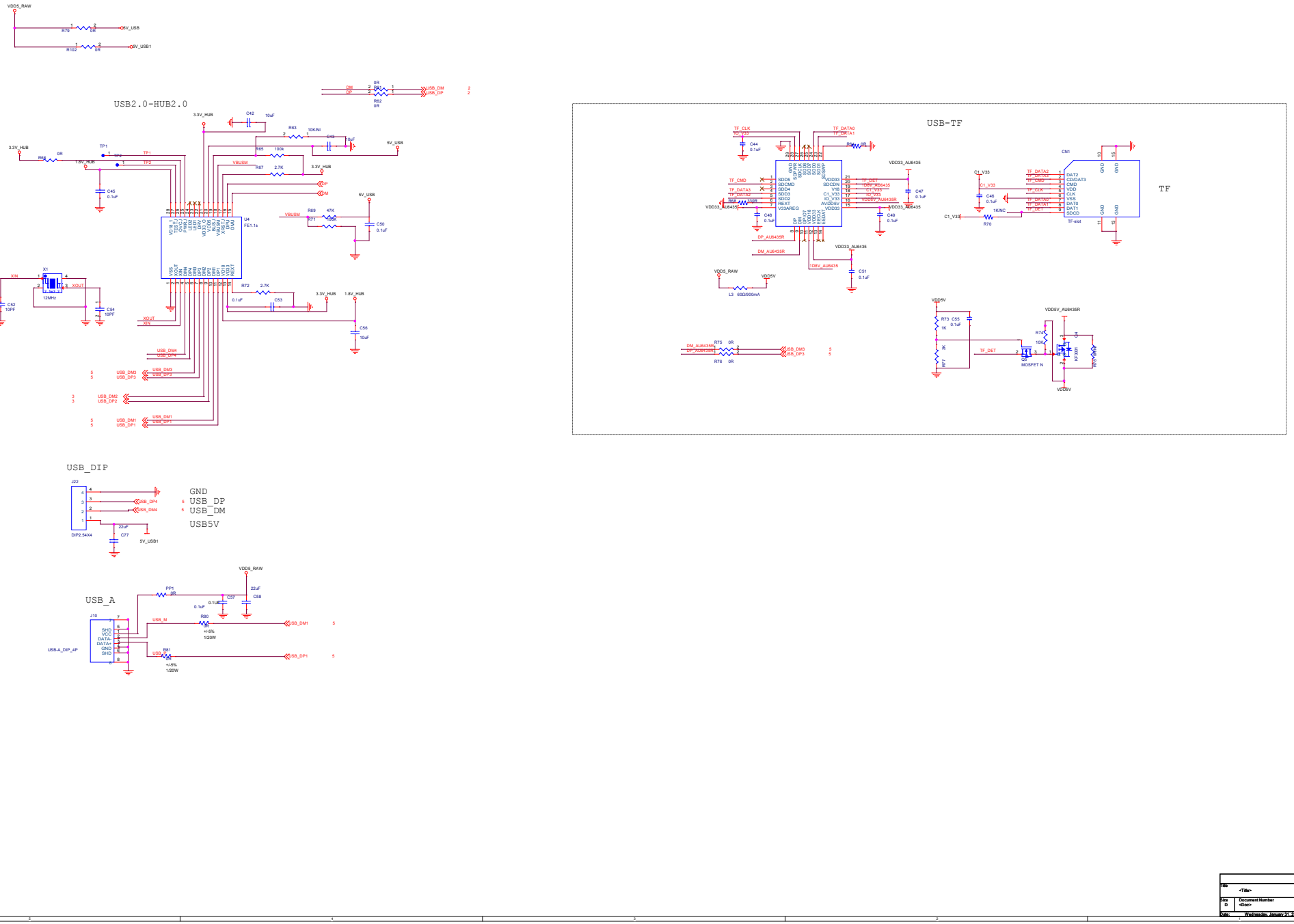

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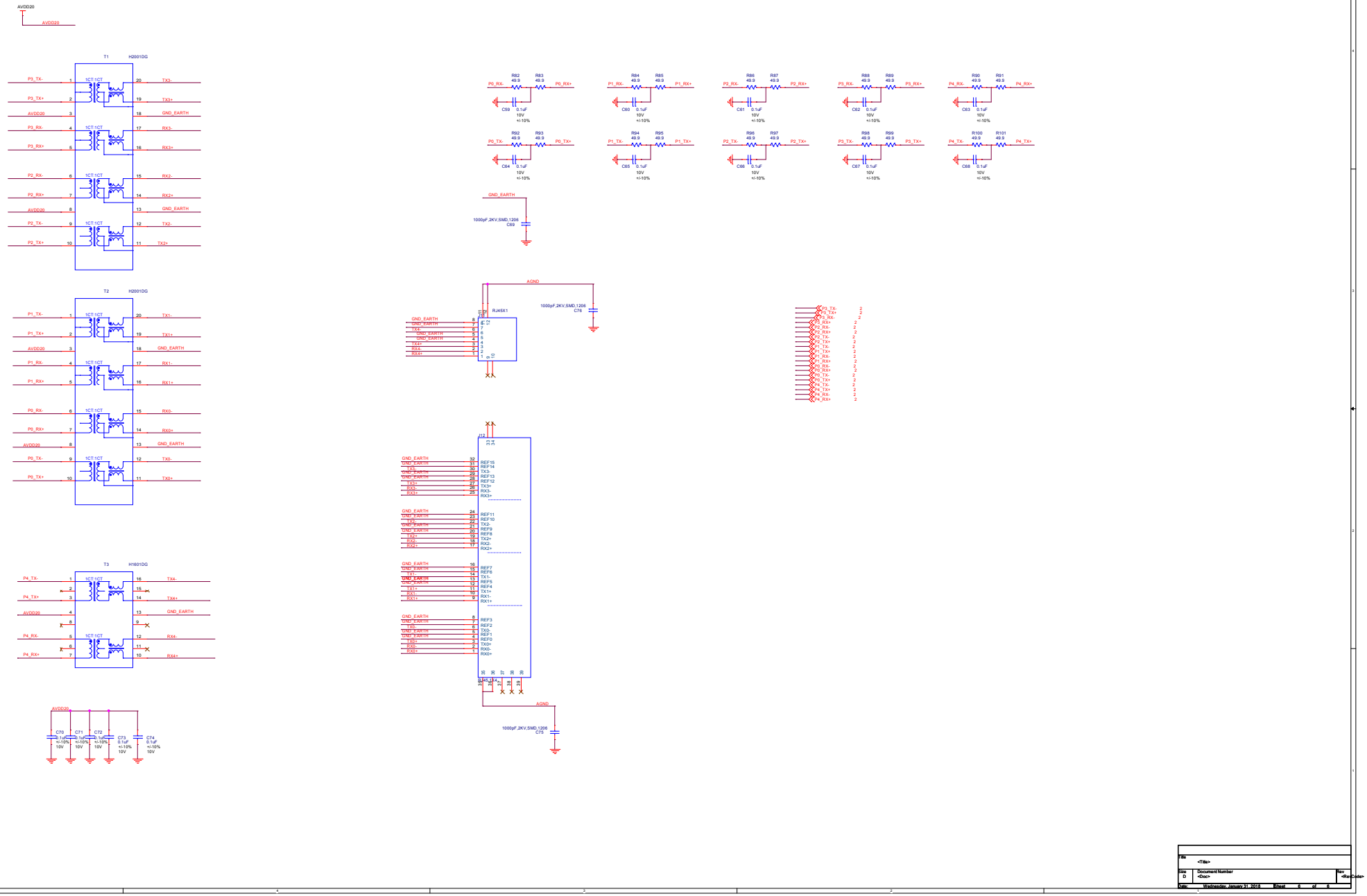
AVDD20
AVDD20
T1
H2001DG
P3_TX-
P3_TX+
AVDD20
P3_RX-
P3_RX+
P2_RX-
P2_RX+
AVDD20
P2_TX-
P2_TX+
1CT:1CT
TX3-
TX3+
GND_EARTH
RX3-
RX3+
RX2-
RX2+
GND_EARTH
TX2-
TX2+
T2
H2001DG
P1_TX-
P1_TX+
AVDD20
P1_RX-
P1_RX+
P0_RX-
P0_RX+
AVDD20
P0_TX-
P0_TX+
TX1-
TX1+
GND_EARTH
RX1-
RX1+
RX0-
RX0+
GND_EARTH
TX0-
TX0+
T3
H1601DG
P4_TX-
P4_TX+
AVDD20
P4_RX-
P4_RX+
TX4-
TX4+
GND_EARTH
RX4-
RX4+
AVDD20
C70 0.1uF +/-10% 10V
C71 0.1uF +/-10% 10V
C72 0.1uF +/-10% 10V
C73 0.1uF +/-10% 10V
C74 0.1uF +/-10% 10V
P0_RX-
P0_RX+
R82 49.9
R83 49.9
C59 0.1uF 10V +/-10%
P1_RX-
P1_RX+
R84 49.9
R85 49.9
C60 0.1uF 10V +/-10%
P2_RX-
P2_RX+
R86 49.9
R87 49.9
C61 0.1uF 10V +/-10%
P3_RX-
P3_RX+
R88 49.9
R89 49.9
C62 0.1uF 10V +/-10%
P4_RX-
P4_RX+
R90 49.9
R91 49.9
C63 0.1uF 10V +/-10%
P0_TX-
P0_TX+
R92 49.9
R93 49.9
C64 0.1uF 10V +/-10%
P1_TX-
P1_TX+
R94 49.9
R95 49.9
C65 0.1uF 10V +/-10%
P2_TX-
P2_TX+
R96 49.9
R97 49.9
C66 0.1uF 10V +/-10%
P3_TX-
P3_TX+
R98 49.9
R99 49.9
C67 0.1uF 10V +/-10%
P4_TX-
P4_TX+
R100 49.9
R101 49.9
C68 0.1uF 10V +/-10%
GND_EARTH
1000pF,2KV,SMD,1206
C69
AGND
1000pF,2KV,SMD,1206
C76
J11
RJ45X1
GND_EARTH
GND_EARTH
TX4-
GND_EARTH
GND_EARTH
TX4+
RX4-
RX4+
P3_TX-
P3_TX+
P3_RX-
P3_RX+
P2_TX-
P2_TX+
P1_TX-
P1_TX+
P1_RX-
P1_RX+
P0_RX-
P0_RX+
P0_TX-
P0_TX+
P4_TX-
P4_TX+
P4_RX-
P4_RX+
J12
GND_EARTH
GND_EARTH
TX3-
GND_EARTH
GND_EARTH
TX3+
RX3-
RX3+
REF15
REF14
TX3-
REF13
REF12
TX3+
RX3-
RX3+
GND_EARTH
GND_EARTH
TX2-
GND_EARTH
GND_EARTH
TX2+
RX2-
RX2+
REF11
REF10
TX2-
REF9
REF8
TX2+
RX2-
RX2+
GND_EARTH
GND_EARTH
TX1-
GND_EARTH
GND_EARTH
TX1+
RX1-
RX1+
REF7
REF6
TX1-
REF5
REF4
TX1+
RX1-
RX1+
GND_EARTH
GND_EARTH
TX0-
GND_EARTH
GND_EARTH
TX0+
RX0-
RX0+
REF3
REF2
TX0-
REF1
REF0
TX0+
RX0-
RX0+
J13
J14
AGND
1000pF,2KV,SMD,1206
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