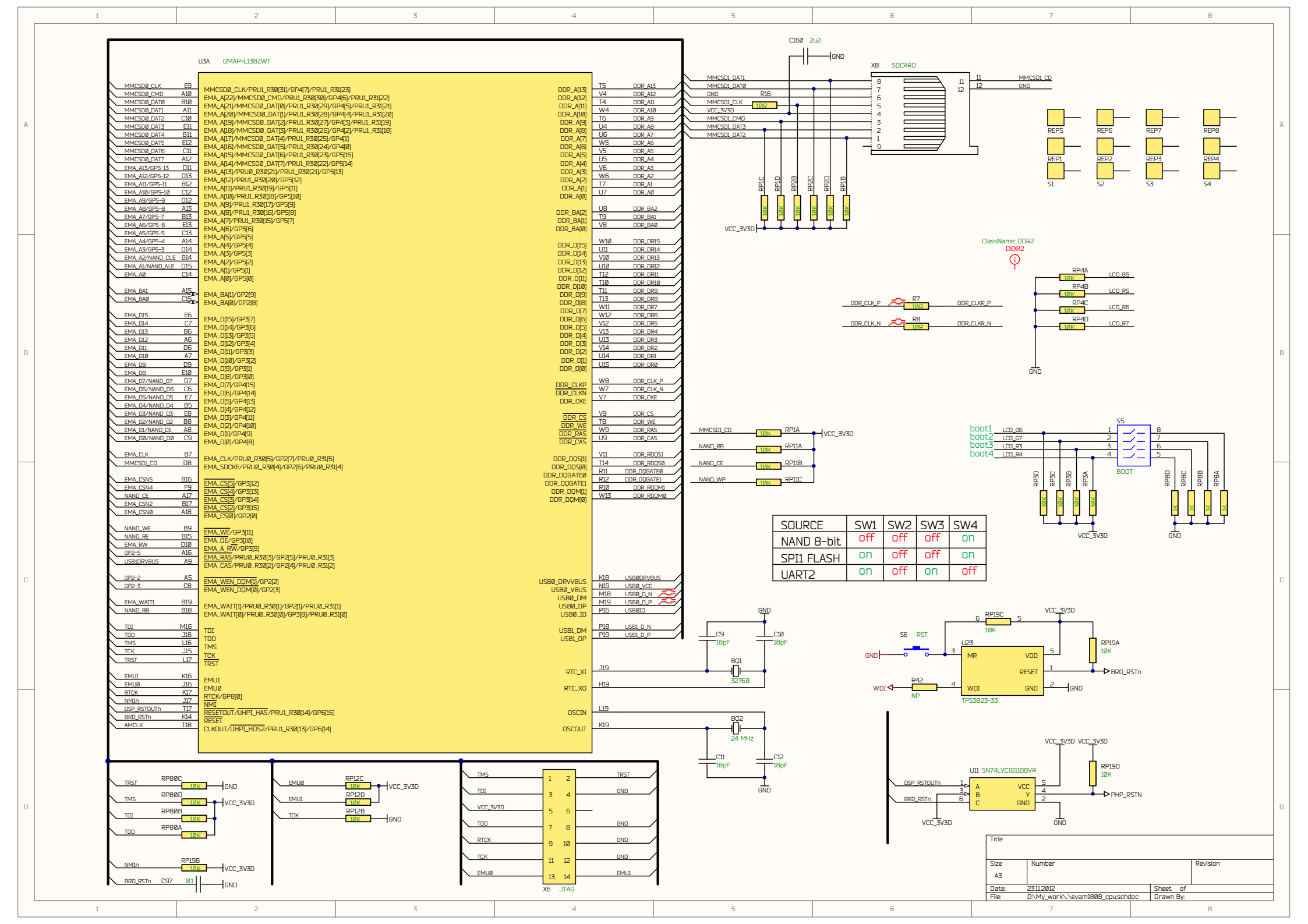
U3A OMAP-L138ZWT
MMCSD0_CLK E9
MMCSD0_CMD A10
MMCSD0_DAT0 B10
MMCSD0_DAT1 A11
MMCSD0_DAT2 C10
MMCSD0_DAT3 E11
MMCSD0_DAT4 B11
MMCSD0_DAT5 E12
MMCSD0_DAT6 C11
MMCSD0_DAT7 A12
EMA_A13/GP5-13 D11
EMA_A12/GP5-12 D13
EMA_A11/GP5-11 B12
EMA_A10/GP5-10 C12
EMA_A9/GP5-9 D12
EMA_A8/GP5-8 A13
EMA_A7/GP5-7 B13
EMA_A6/GP5-6 E13
EMA_A5/GP5-5 C13
EMA_A4/GP5-4 A14
EMA_A3/GP5-3 D14
EMA_A2/NAND_CLE B14
EMA_A1/NAND_ALE D15
EMA_A0 C14
EMA_BA1 A15
EMA_BA0 C15
EMA_D15 E6
EMA_D14 C7
EMA_D13 B6
EMA_D12 A6
EMA_D11 D6
EMA_D10 A7
EMA_D9 D9
EMA_D8 E10
EMA_D7/NAND_D7 D7
EMA_D6/NAND_D6 C6
EMA_D5/NAND_D5 E7
EMA_D4/NAND_D4 B5
EMA_D3/NAND_D3 E8
EMA_D2/NAND_D2 B8
EMA_D1/NAND_D1 A8
EMA_D0/NAND_D0 C9
EMA_CLK B7
MMCSD1_CD D8
EMA_CSN5 B16
EMA_CSN4 F9
NAND_CE A17
EMA_CSN2 B17
EMA_CSN0 A18
NAND_WE B9
NAND_RE B15
EMA_RW D10
GP2-5 A16
USB1DRVBUS A9
GP2-2 A5
GP2-3 C8
EMA_WAIT1 B19
NAND_RB B18
TDI M16
TDO J18
TMS L16
TCK J15
TRST L17
EMU1 K16
EMU0 J16
RTCK K17
NMIn J17
DSP_RSTOUTn T17
BRD_RSTn K14
AMCLK T18
MMCSD0_CLK/PRU1_R30[31]/GP4[7]/PRU1_R31[23]
EMA_A[22]/MMCSD0_CMD/PRU1_R30[30]/GP4[6]/PRU1_R31[22]
EMA_A[21]/MMCSD0_DAT[0]/PRU1_R30[29]/GP4[5]/PRU1_R31[21]
EMA_A[20]/MMCSD0_DAT[1]/PRU1_R30[28]/GP4[4]/PRU1_R31[20]
EMA_A[19]/MMCSD0_DAT[2]/PRU1_R30[27]/GP4[3]/PRU1_R31[19]
EMA_A[18]/MMCSD0_DAT[3]/PRU1_R30[26]/GP4[2]/PRU1_R31[18]
EMA_A[17]/MMCSD0_DAT[4]/PRU1_R30[25]/GP4[1]
EMA_A[16]/MMCSD0_DAT[5]/PRU1_R30[24]/GP4[0]
EMA_A[15]/MMCSD0_DAT[6]/PRU1_R30[23]/GP5[15]
EMA_A[14]/MMCSD0_DAT[7]/PRU1_R30[22]/GP5[14]
EMA_A[13]/PRU0_R30[21]/PRU1_R30[21]/GP5[13]
EMA_A[12]/PRU1_R30[20]/GP5[12]
EMA_A[11]/PRU1_R30[19]/GP5[11]
EMA_A[10]/PRU1_R30[18]/GP5[10]
EMA_A[9]/PRU1_R30[17]/GP5[9]
EMA_A[8]/PRU1_R30[16]/GP5[8]
EMA_A[7]/PRU1_R30[15]/GP5[7]
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EMA_A[5]/GP5[5]
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EMA_A[0]/GP5[0]
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EMA_BA[0]/GP2[8]
EMA_D[15]/GP3[7]
EMA_D[14]/GP3[6]
EMA_D[13]/GP3[5]
EMA_D[12]/GP3[4]
EMA_D[11]/GP3[3]
EMA_D[10]/GP3[2]
EMA_D[9]/GP3[1]
EMA_D[8]/GP3[0]
EMA_D[7]/GP4[15]
EMA_D[6]/GP4[14]
EMA_D[5]/GP4[13]
EMA_D[4]/GP4[12]
EMA_D[3]/GP4[11]
EMA_D[2]/GP4[10]
EMA_D[1]/GP4[9]
EMA_D[0]/GP4[8]
EMA_CLK/PRU0_R30[5]/GP2[7]/PRU0_R31[5]
EMA_SDCKE/PRU0_R30[4]/GP2[6]/PRU0_R31[4]
EMA_CS[5]/GP3[12]
EMA_CS[4]/GP3[13]
EMA_CS[3]/GP3[14]
EMA_CS[2]/GP3[15]
EMA_CS[0]/GP2[0]
EMA_WE/GP3[11]
EMA_OE/GP3[10]
EMA_A_RW/GP3[9]
EMA_RAS/PRU0_R30[3]/GP2[5]/PRU0_R31[3]
EMA_CAS/PRU0_R30[2]/GP2[4]/PRU0_R31[2]
EMA_WEN_DQM[1]/GP2[2]
EMA_WEN_DQM[0]/GP2[3]
EMA_WAIT[1]/PRU0_R30[1]/GP2[1]/PRU0_R31[1]
EMA_WAIT[0]/PRU0_R30[0]/GP3[8]/PRU0_R31[0]
TDI
TDO
TMS
TCK
TRST
EMU1
EMU0
RTCK/GP8[0]
NMI
RESETOUT/UHPI_HAS/PRU1_R30[14]/GP6[15]
RESET
CLKOUT/UHPI_HDS2/PRU1_R30[13]/GP6[14]
DDR_A[13] T5 DDR_A13
DDR_A[12] V4 DDR_A12
DDR_A[11] T4 DDR_A11
DDR_A[10] W4 DDR_A10
DDR_A[9] T6 DDR_A9
DDR_A[8] U4 DDR_A8
DDR_A[7] U6 DDR_A7
DDR_A[6] W5 DDR_A6
DDR_A[5] V5 DDR_A5
DDR_A[4] U5 DDR_A4
DDR_A[3] V6 DDR_A3
DDR_A[2] W6 DDR_A2
DDR_A[1] T7 DDR_A1
DDR_A[0] U7 DDR_A0
DDR_BA[2] U8 DDR_BA2
DDR_BA[1] T9 DDR_BA1
DDR_BA[0] V8 DDR_BA0
DDR_D[15] W10 DDR_DR15
DDR_D[14] U11 DDR_DR14
DDR_D[13] V10 DDR_DR13
DDR_D[12] U10 DDR_DR12
DDR_D[11] T12 DDR_DR11
DDR_D[10] T10 DDR_DR10
DDR_D[9] T11 DDR_DR9
DDR_D[8] T13 DDR_DR8
DDR_D[7] W11 DDR_DR7
DDR_D[6] W12 DDR_DR6
DDR_D[5] V12 DDR_DR5
DDR_D[4] V13 DDR_DR4
DDR_D[3] U13 DDR_DR3
DDR_D[2] V14 DDR_DR2
DDR_D[1] U14 DDR_DR1
DDR_D[0] U15 DDR_DR0
DDR_CLKP W8 DDR_CLK_P
DDR_CLKN W7 DDR_CLK_N
DDR_CKE V7 DDR_CKE
DDR_CS V9 DDR_CS
DDR_WE T8 DDR_WE
DDR_RAS W9 DDR_RAS
DDR_CAS U9 DDR_CAS
DDR_DQS[1] V11 DDR_RDQS1
DDR_DQS[0] T14 DDR_RDQS0
DDR_DQGATE0 R11 DDR_DQGATE0
DDR_DQGATE1 R12 DDR_DQGATE1
DDR_DQM[1] R10 DDR_RDQM1
DDR_DQM[0] W13 DDR_RDQM0
USB0_DRVVBUS K18 USB0DRVBUS
USB0_VBUS N19 USB0_VCC
USB0_DM M18 USB0_D_N
USB0_DP M19 USB0_D_P
USB0_ID P16 USB0ID
USB1_DM P18 USB1_D_N
USB1_DP P19 USB1_D_P
RTC_XI J19
RTC_XO H19
OSCIN L19
OSCOUT K19
C160 2u2
GND
X8 SDCARD
MMCSD1_DAT1
MMCSD1_DAT0
GND
R15 10R
MMCSD1_CLK
VCC_3V3D
MMCSD1_CMD
MMCSD1_DAT3
MMCSD1_DAT2
11 MMCSD1_CD
12 GND
RP1C RP1D RP2B RP2C RP2D RP1B 10K
REP5 REP6 REP7 REP8
REP1 REP2 REP3 REP4
S1 S2 S3 S4
ClassName: DDR2
DDR2
DDR_CLK_P R7 10R DDR_CLKR_P
DDR_CLK_N R8 10R DDR_CLKR_N
RP4A 10K LCD_G5
RP4B 10K LCD_R5
RP4C 10K LCD_R6
RP4D 10K LCD_R7
MMCSD1_CD RP1A 10K VCC_3V3D
NAND_RB RP11A 10K
NAND_CE RP11B 10K
NAND_WP RP11C 10K
boot1 LCD_G6
boot2 LCD_G7
boot3 LCD_R3
boot4 LCD_R4
S5 BOOT
RP3D RP3C RP3B RP3A 10K VCC_3V3D
RP8D RP8C RP8B RP8A 1K GND
SOURCE SW1 SW2 SW3 SW4
NAND 8-bit off off off on
SPI1 FLASH on off off on
UART2 on off on off
C9 18pF
C10 18pF
BQ1 32768
BQ2 24 MHz
C11 18pF
C12 18pF
S6 RST
RP19C 10K
U23 TPS3823-33
MR VDD RESET WDI GND
RP19A 10K
BRD_RSTn
R42 NP
U11 SN74LVC1G11DBVR
DSP_RSTOUTn
BRD_RSTn
RP19D 10K
PHP_RSTN
RP80C RP80D RP80B RP80A 10K TRST TMS TDI TDO
RP12C RP12D RP12B 10K EMU0 EMU1 TCK
RP19B 10K NMIn
C97 01 BRD_RSTn
X6 JTAG
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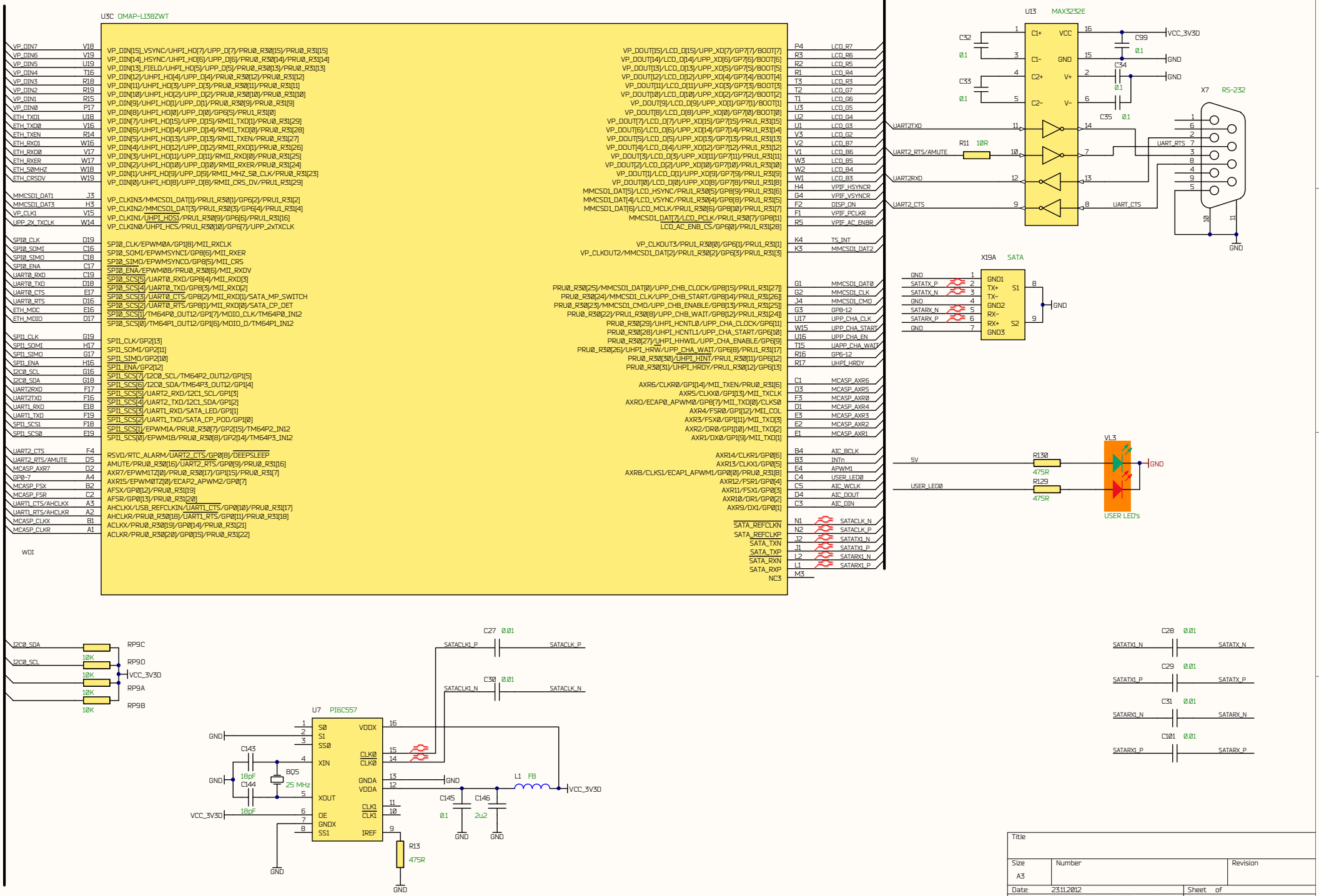

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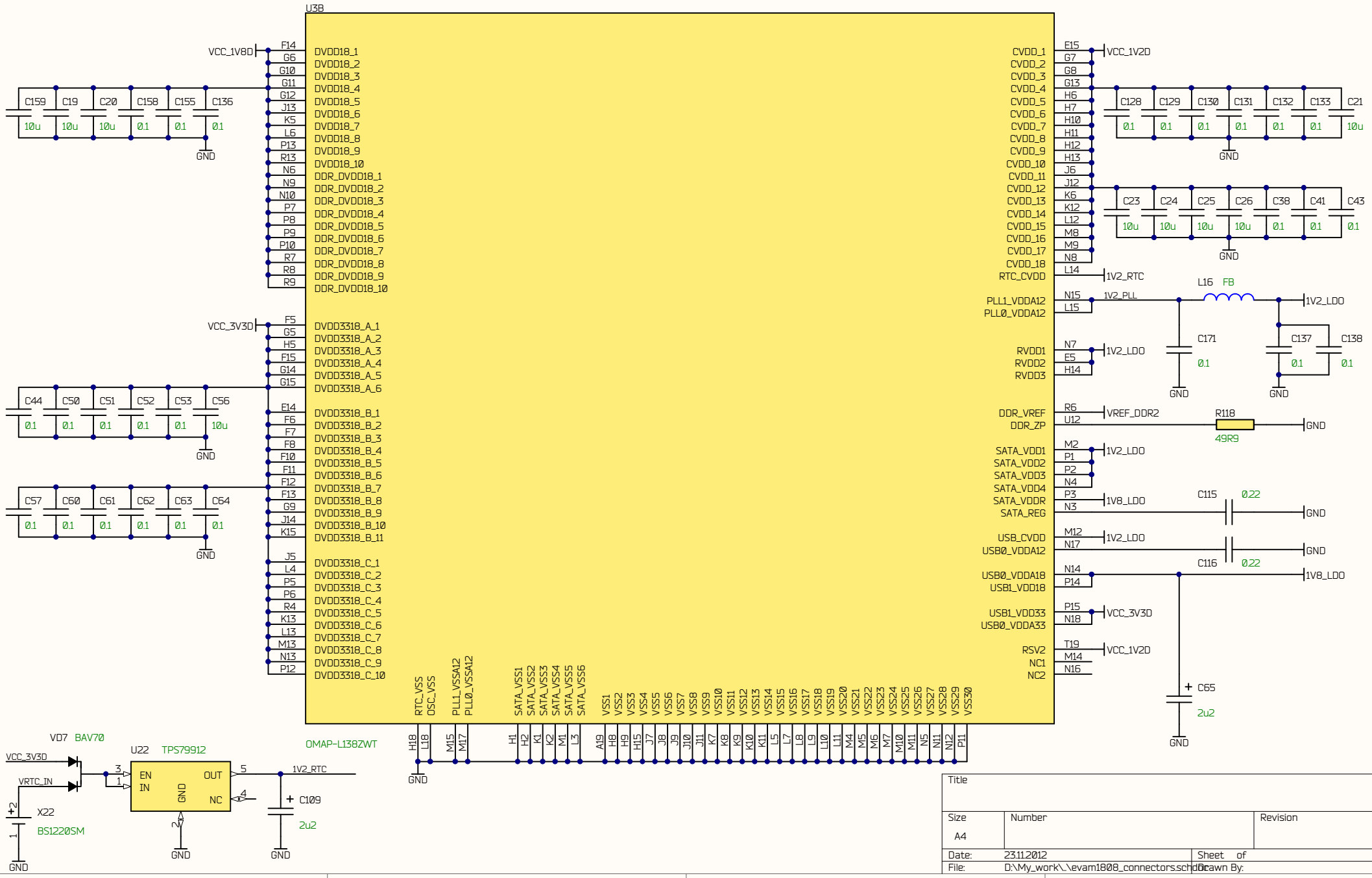
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OMAP-L138ZWT
VCC_1V8D
VCC_3V3D
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DVDD18_1
DVDD18_2
DVDD18_3
DVDD18_4
DVDD18_5
DVDD18_6
DVDD18_7
DVDD18_8
DVDD18_9
DVDD18_10
DDR_DVDD18_1
DDR_DVDD18_2
DDR_DVDD18_3
DDR_DVDD18_4
DDR_DVDD18_5
DDR_DVDD18_6
DDR_DVDD18_7
DDR_DVDD18_8
DDR_DVDD18_9
DDR_DVDD18_10
DVDD3318_A_1
DVDD3318_A_2
DVDD3318_A_3
DVDD3318_A_4
DVDD3318_A_5
DVDD3318_A_6
DVDD3318_B_1
DVDD3318_B_2
DVDD3318_B_3
DVDD3318_B_4
DVDD3318_B_5
DVDD3318_B_6
DVDD3318_B_7
DVDD3318_B_8
DVDD3318_B_9
DVDD3318_B_10
DVDD3318_B_11
DVDD3318_C_1
DVDD3318_C_2
DVDD3318_C_3
DVDD3318_C_4
DVDD3318_C_5
DVDD3318_C_6
DVDD3318_C_7
DVDD3318_C_8
DVDD3318_C_9
DVDD3318_C_10
CVDD_1
CVDD_2
CVDD_3
CVDD_4
CVDD_5
CVDD_6
CVDD_7
CVDD_8
CVDD_9
CVDD_10
CVDD_11
CVDD_12
CVDD_13
CVDD_14
CVDD_15
CVDD_16
CVDD_17
CVDD_18
RTC_CVDD
PLL1_VDDA12
PLL0_VDDA12
RVDD1
RVDD2
RVDD3
DDR_VREF
DDR_ZP
SATA_VDD1
SATA_VDD2
SATA_VDD3
SATA_VDD4
SATA_VDDR
SATA_REG
USB_CVDD
USB0_VDDA12
USB0_VDDA18
USB1_VDD18
USB1_VDD33
USB0_VDDA33
RSV2
NC1
NC2
RTC_VSS
OSC_VSS
PLL1_VSSA12
PLL0_VSSA12
SATA_VSS1
SATA_VSS2
SATA_VSS3
SATA_VSS4
SATA_VSS5
SATA_VSS6
VSS1
VSS2
VSS3
VSS4
VSS5
VSS6
VSS7
VSS8
VSS9
VSS10
VSS11
VSS12
VSS13
VSS14
VSS15
VSS16
VSS17
VSS18
VSS19
VSS20
VSS21
VSS22
VSS23
VSS24
VSS25
VSS26
VSS27
VSS28
VSS29
VSS30
1V2_RTC
1V2_PLL
1V2_LDO
1V8_LDO
VREF_DDR2
L16 FB
R118
49R9
C115 0.22
C116 0.22
C65 2u2
C159 C19 C20 C158 C155 C136
10u 10u 10u 0.1 0.1 0.1
C128 C129 C130 C131 C132 C133 C21
0.1 0.1 0.1 0.1 0.1 0.1 10u
C23 C24 C25 C26 C38 C41 C43
10u 10u 10u 10u 0.1 0.1 0.1
C44 C50 C51 C52 C53 C56
0.1 0.1 0.1 0.1 0.1 10u
C57 C60 C61 C62 C63 C64
0.1 0.1 0.1 0.1 0.1 0.1
C171 0.1
C137 0.1
C138 0.1
GND
VD7 BAV70
U22 TPS79912
VRTC_IN
EN
IN
GND
NC
OUT
X22
BS1220SM
C109 2u2
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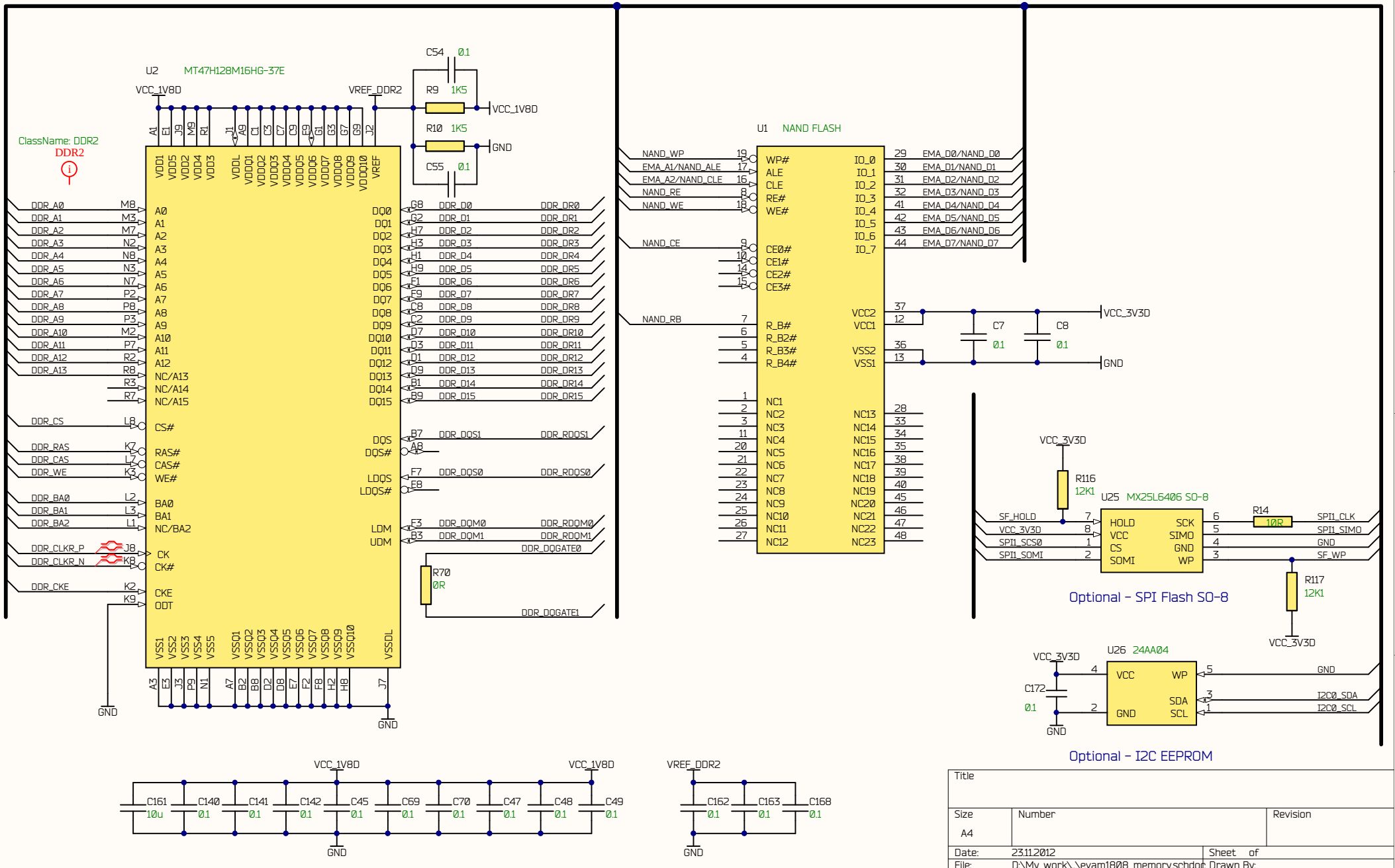

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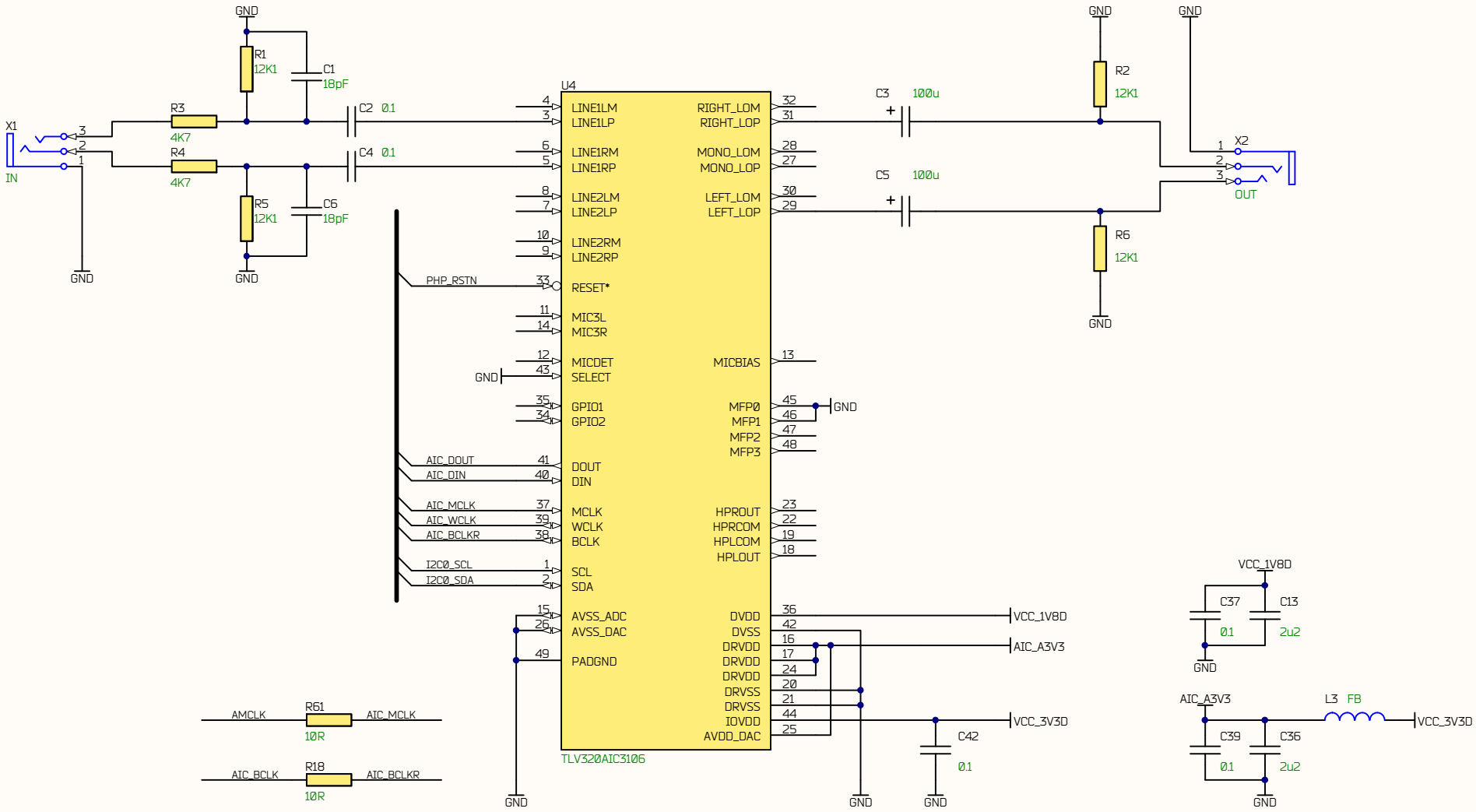
GND
R1
12K1
C1
18pF
C2 01
R3
4K7
X1
3
2
1
IN
R4
4K7
C4 01
R5
12K1
C6
18pF
U4
LINE1LM
LINE1LP
LINE1RM
LINE1RP
LINE2LM
LINE2LP
LINE2RM
LINE2RP
RESET*
MIC3L
MIC3R
MICDET
SELECT
GPIO1
GPIO2
DOUT
DIN
MCLK
WCLK
BCLK
SCL
SDA
AVSS_ADC
AVSS_DAC
PADGND
RIGHT_LOM
RIGHT_LOP
MONO_LOM
MONO_LOP
LEFT_LOM
LEFT_LOP
MICBIAS
MFP0
MFP1
MFP2
MFP3
HPROUT
HPRCOM
HPLCOM
HPLOUT
DVDD
DVSS
DRVDD
DRVDD
DRVDD
DRVSS
DRVSS
IOVDD
AVDD_DAC
TLV320AIC3106
PHP_RSTN
AIC_DOUT
AIC_DIN
AIC_MCLK
AIC_WCLK
AIC_BCLKR
I2C0_SCL
I2C0_SDA
C3 100u
C5 100u
R2
12K1
R6
12K1
X2
OUT
VCC_1V8D
VCC_3V3D
AIC_A3V3
C42
01
C37
01
C13
2u2
L3 FB
C39
01
C36
2u2
AMCLK
R61
10R
AIC_MCLK
AIC_BCLK
R18
10R
AIC_BCLKR
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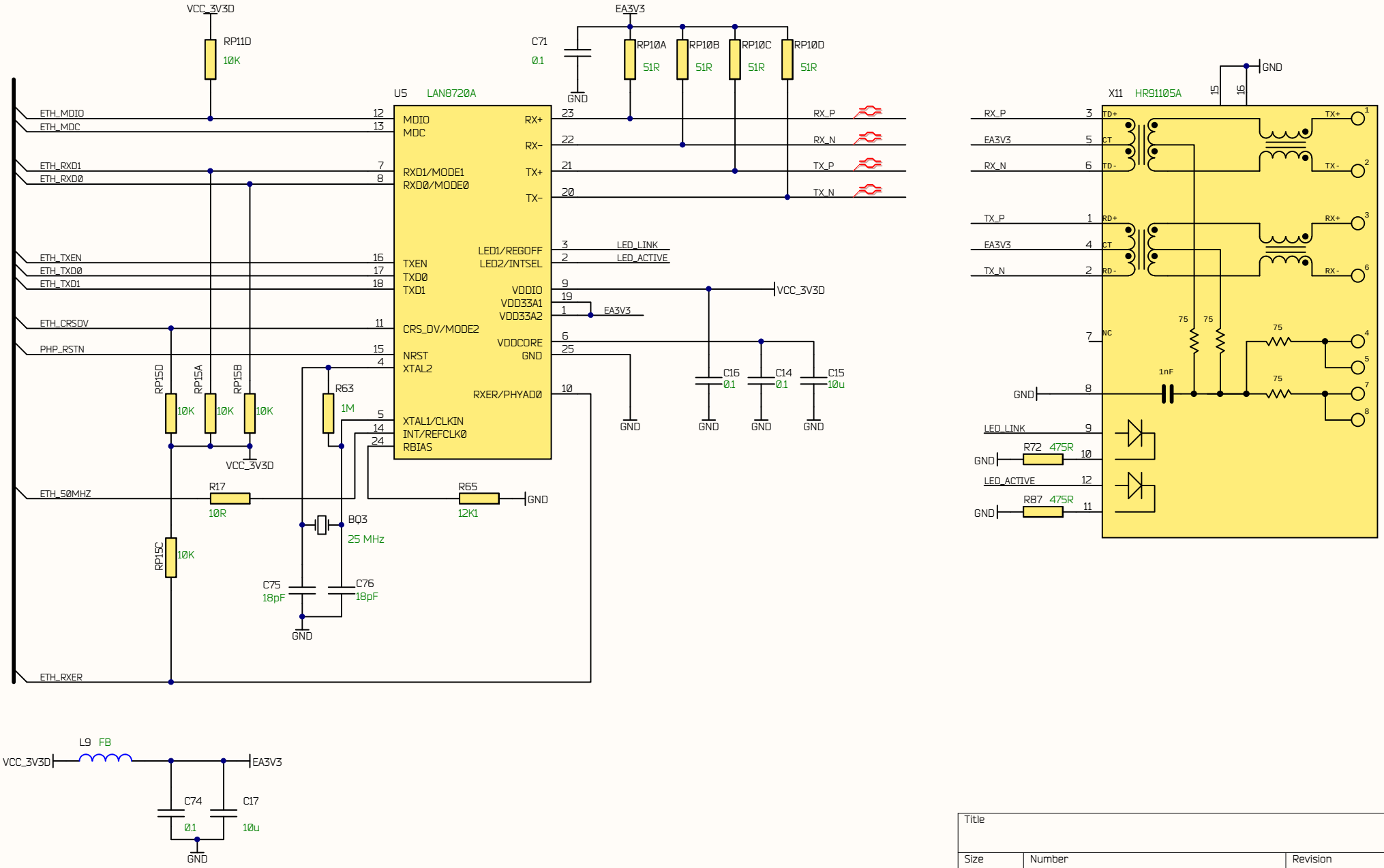

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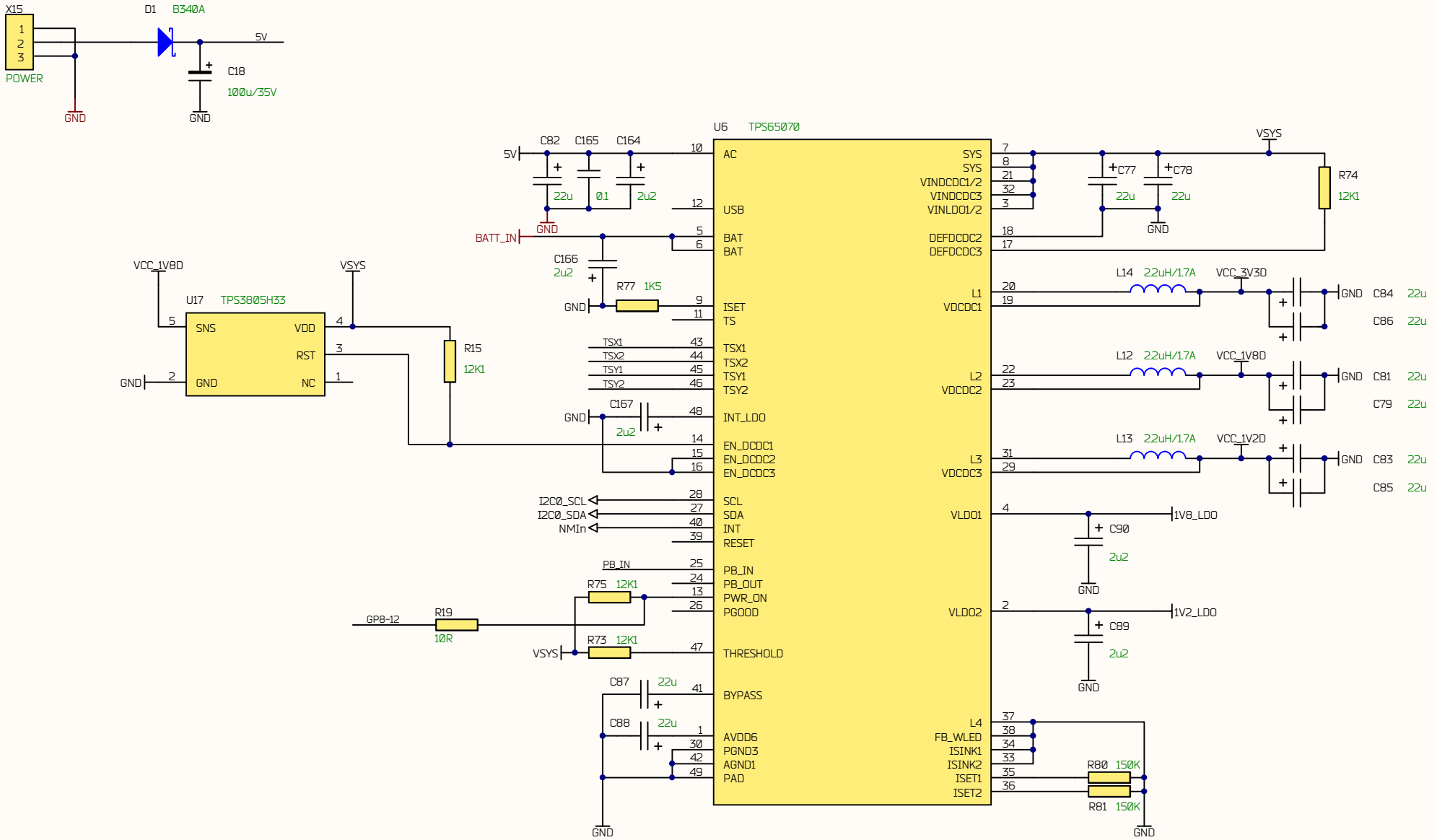

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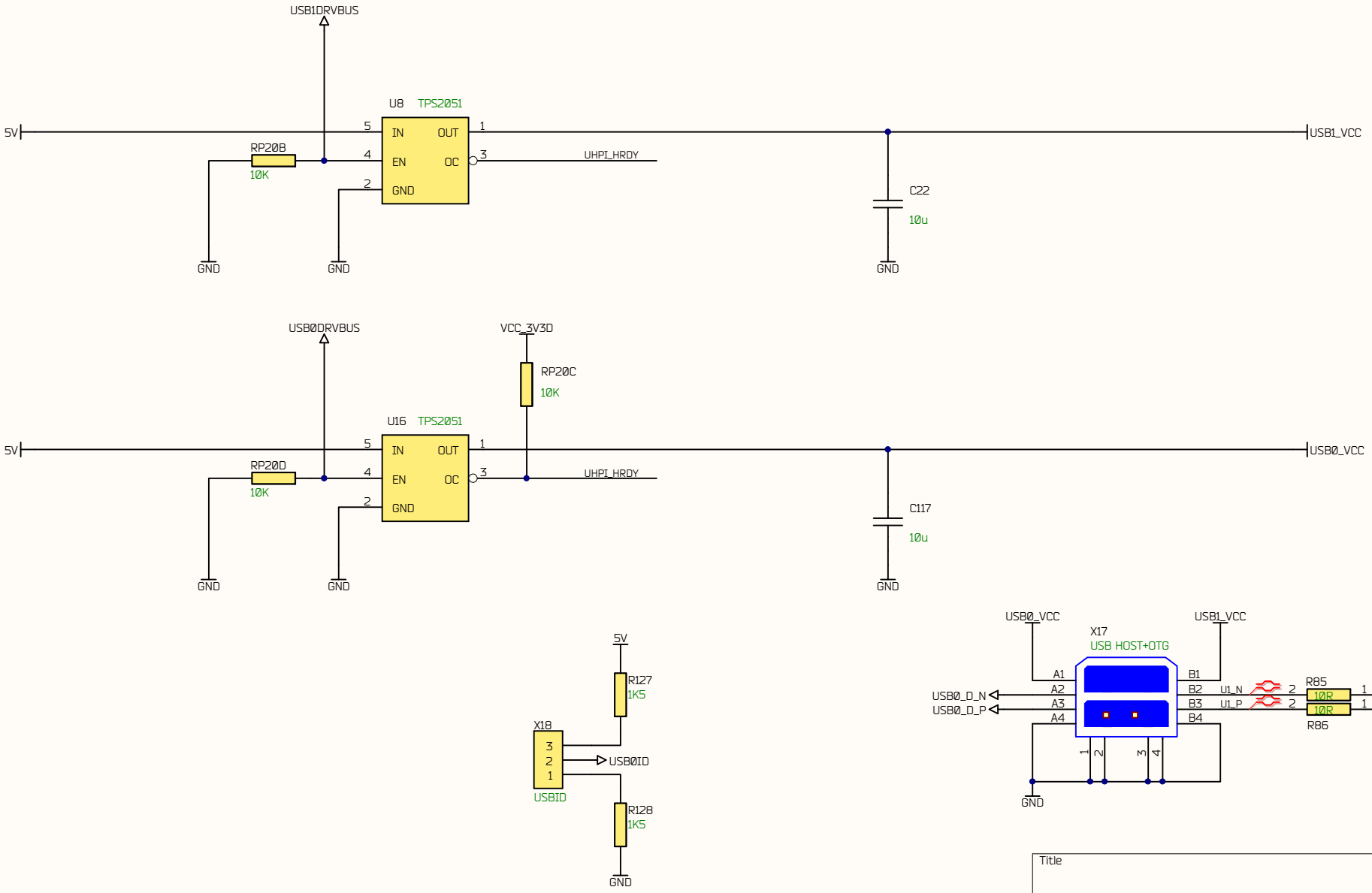

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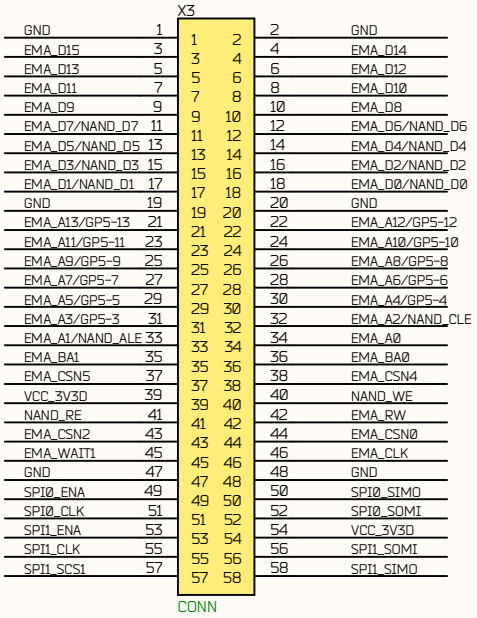

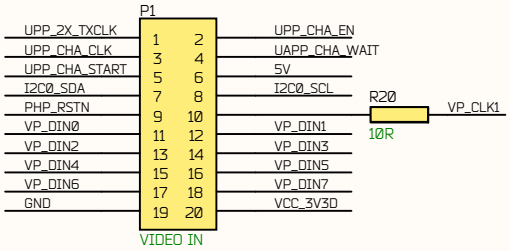

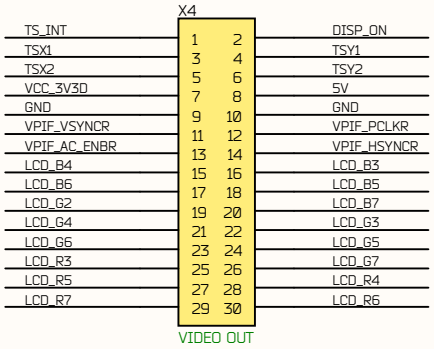

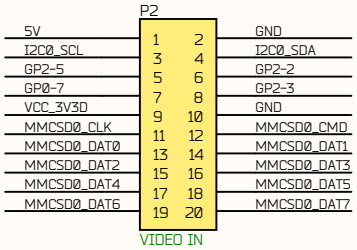

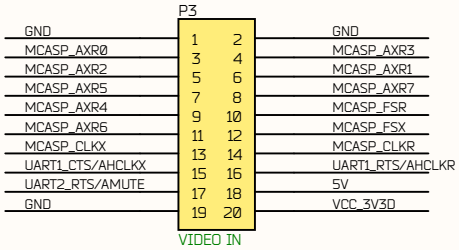

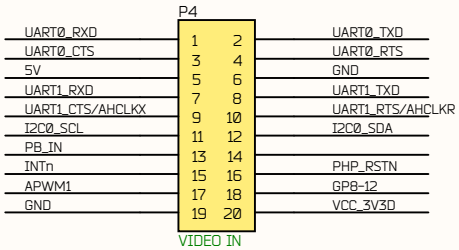

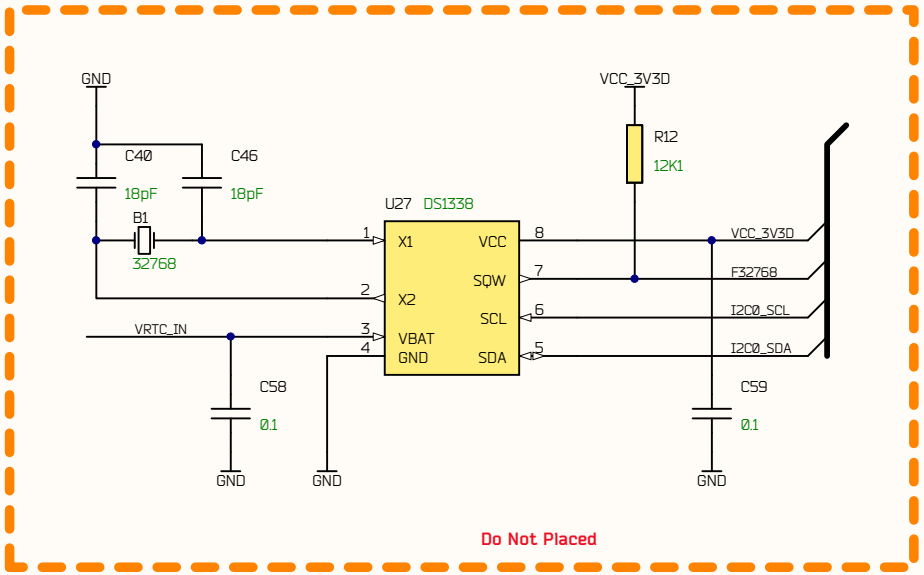

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