

Honey Badger

Base Board_LSI


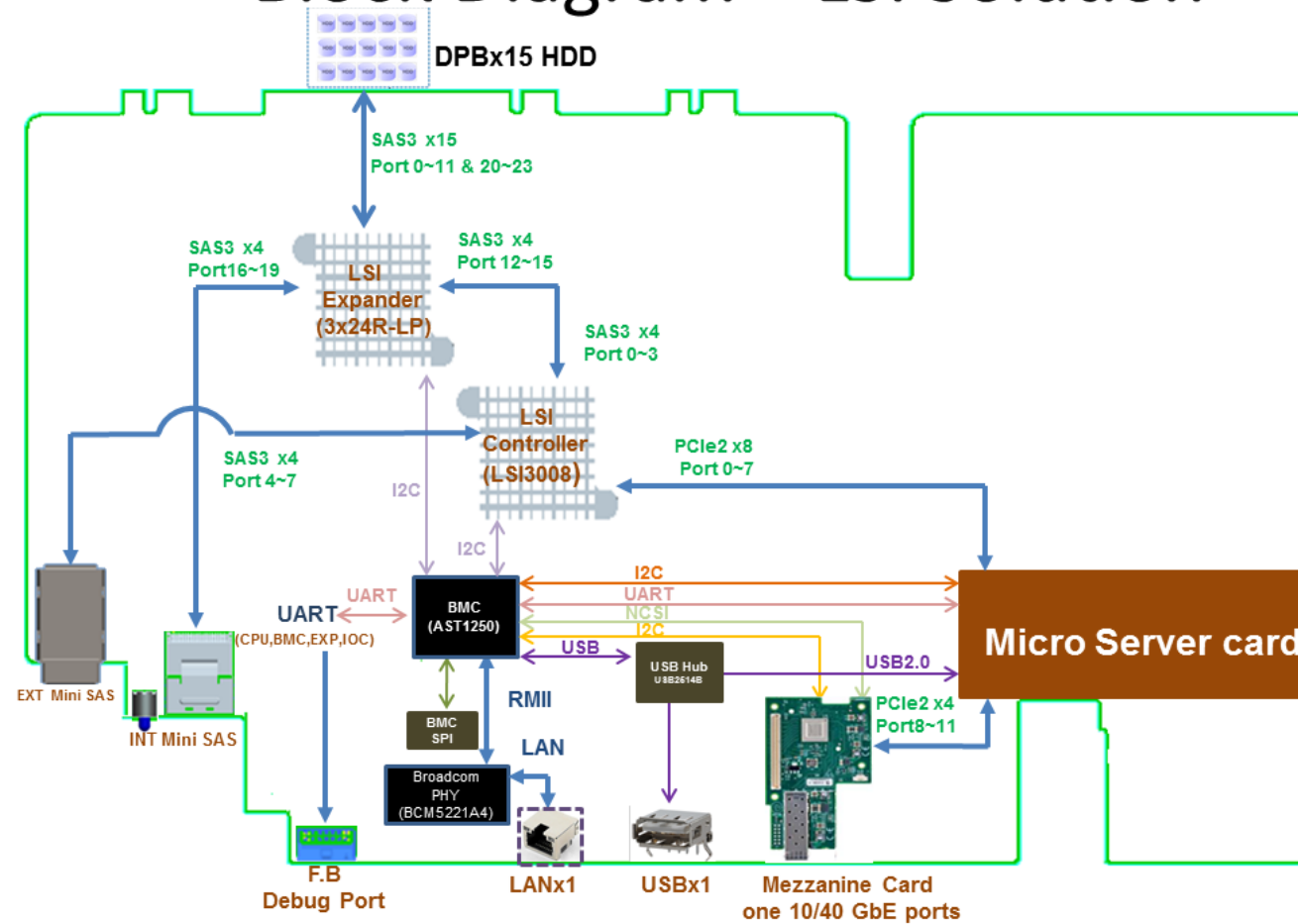
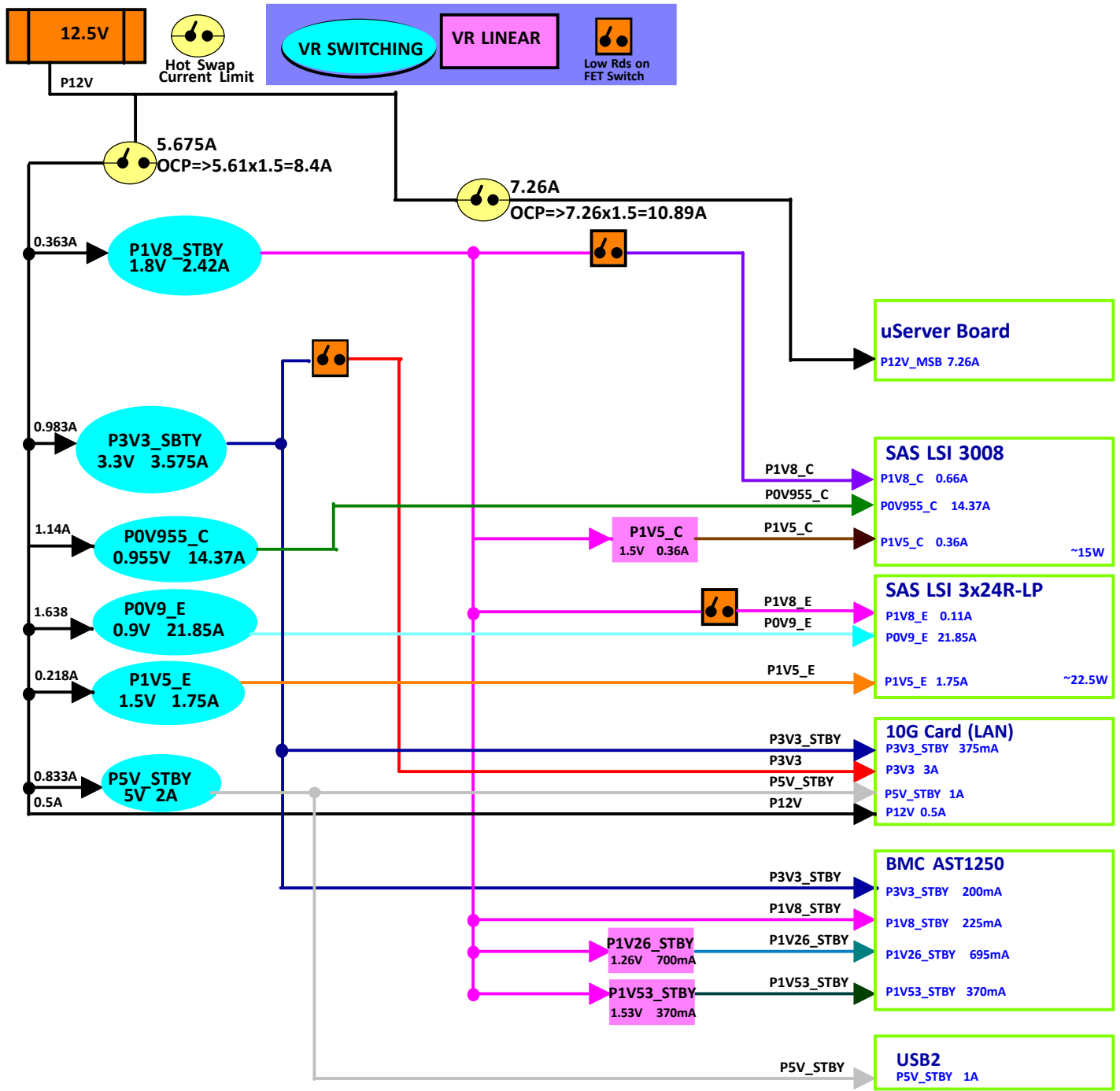
		Honey badger_LSI Base Board 8F, 90, Sec.1, Xintai 5th Rd., Xizhi Dist., New Taipei City 22102, Taiwan (R.O.C.) http://www.wiwynn.com	
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Block Diagram – LSI Solution



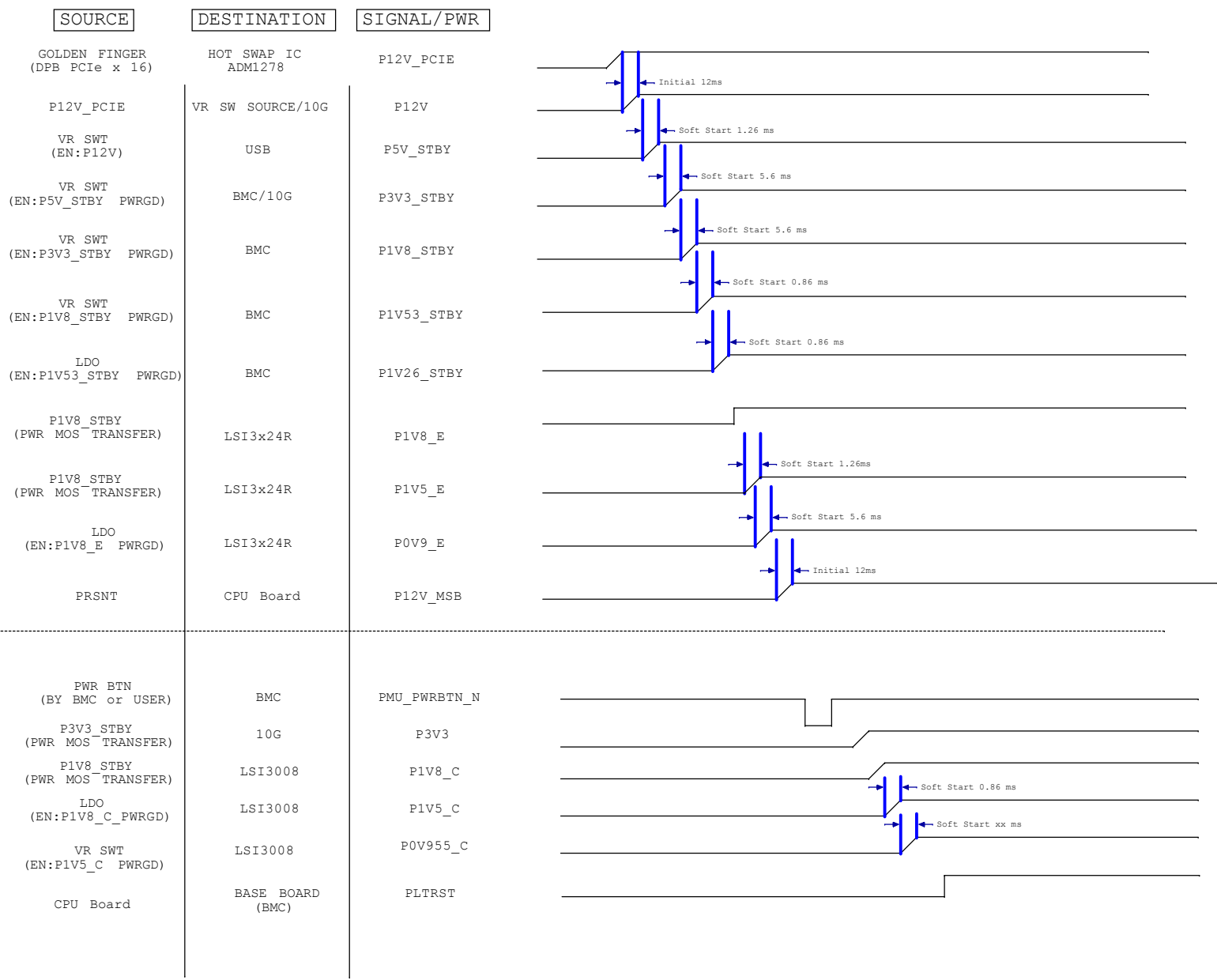




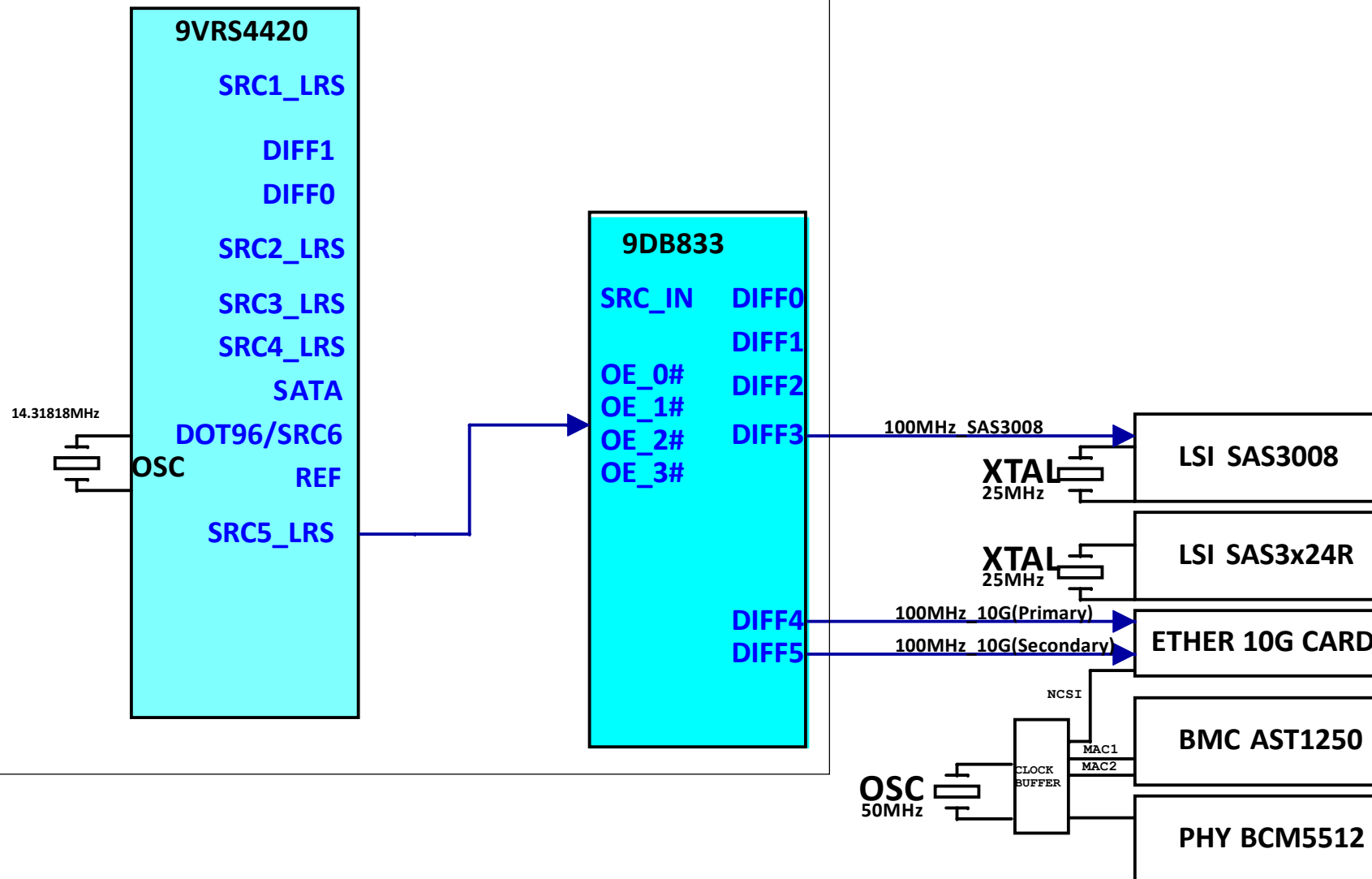
POWER SEQUENCE DIAGRAM

STANDBY POWER

NORMAL POWER

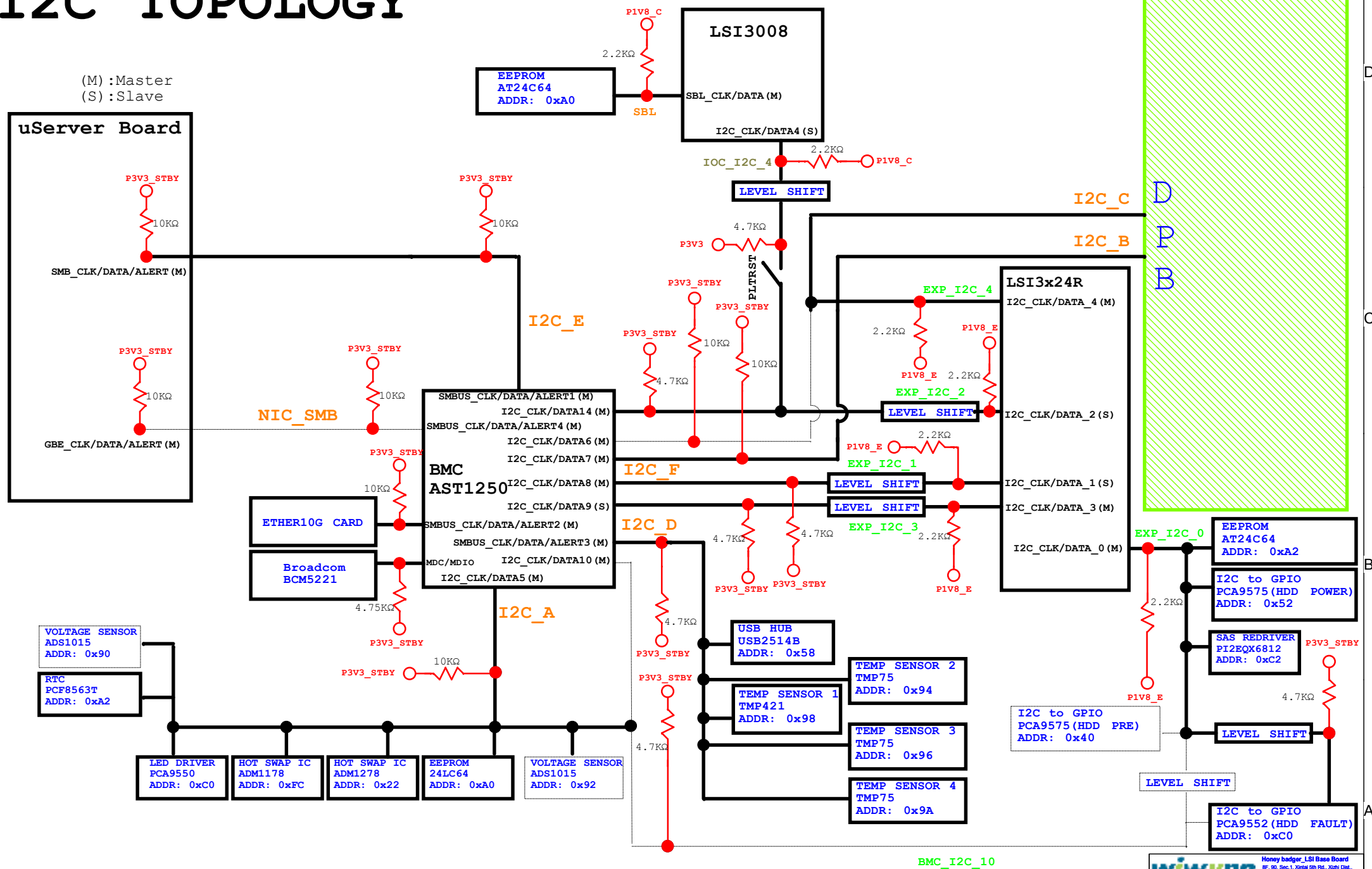


Micro Server Card



STACK-UP INFORMATION

I2C TOPOLOGY





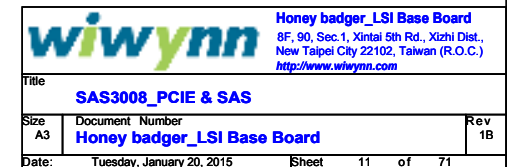


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New Taipei City 22102, Taiwan (R.O.C.)
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Title

RESERVE

Size A4	Document Number Honey badger_LSI Base Board	Rev 1B
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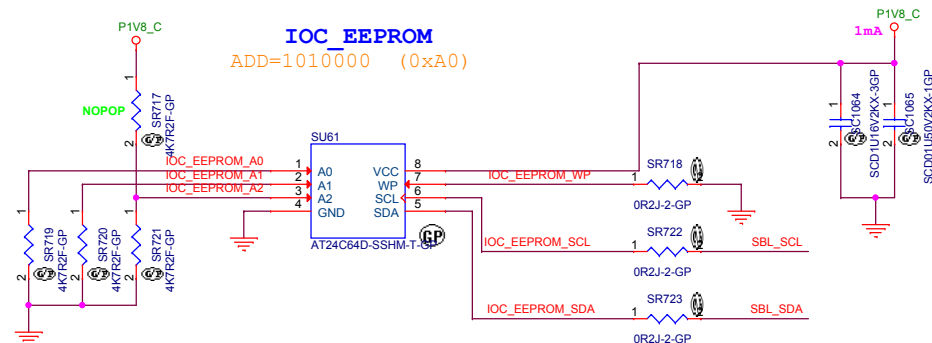
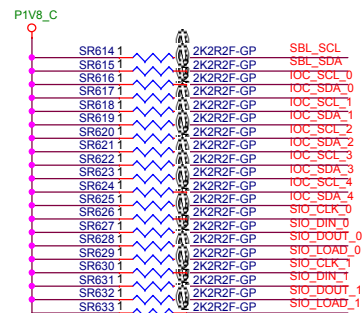
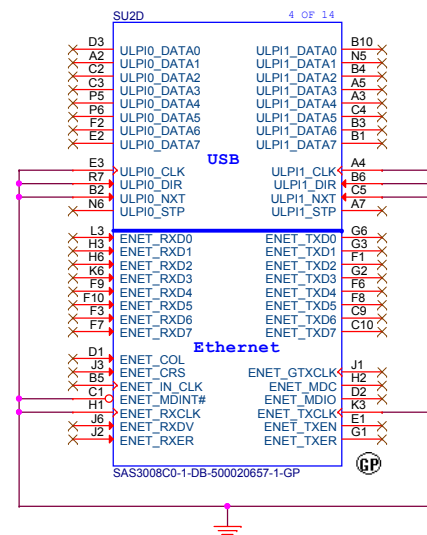
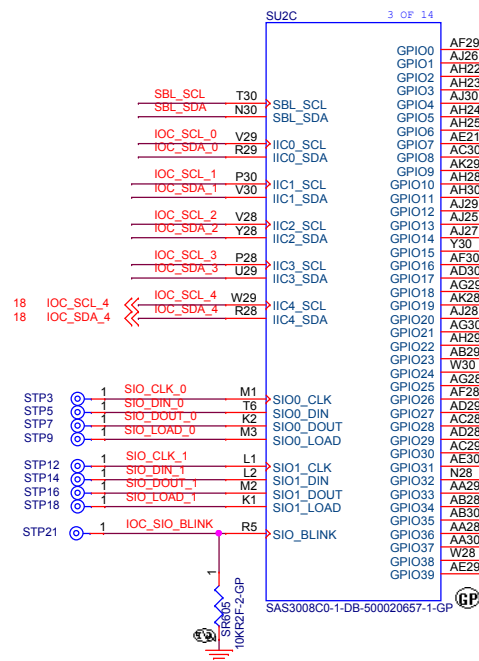


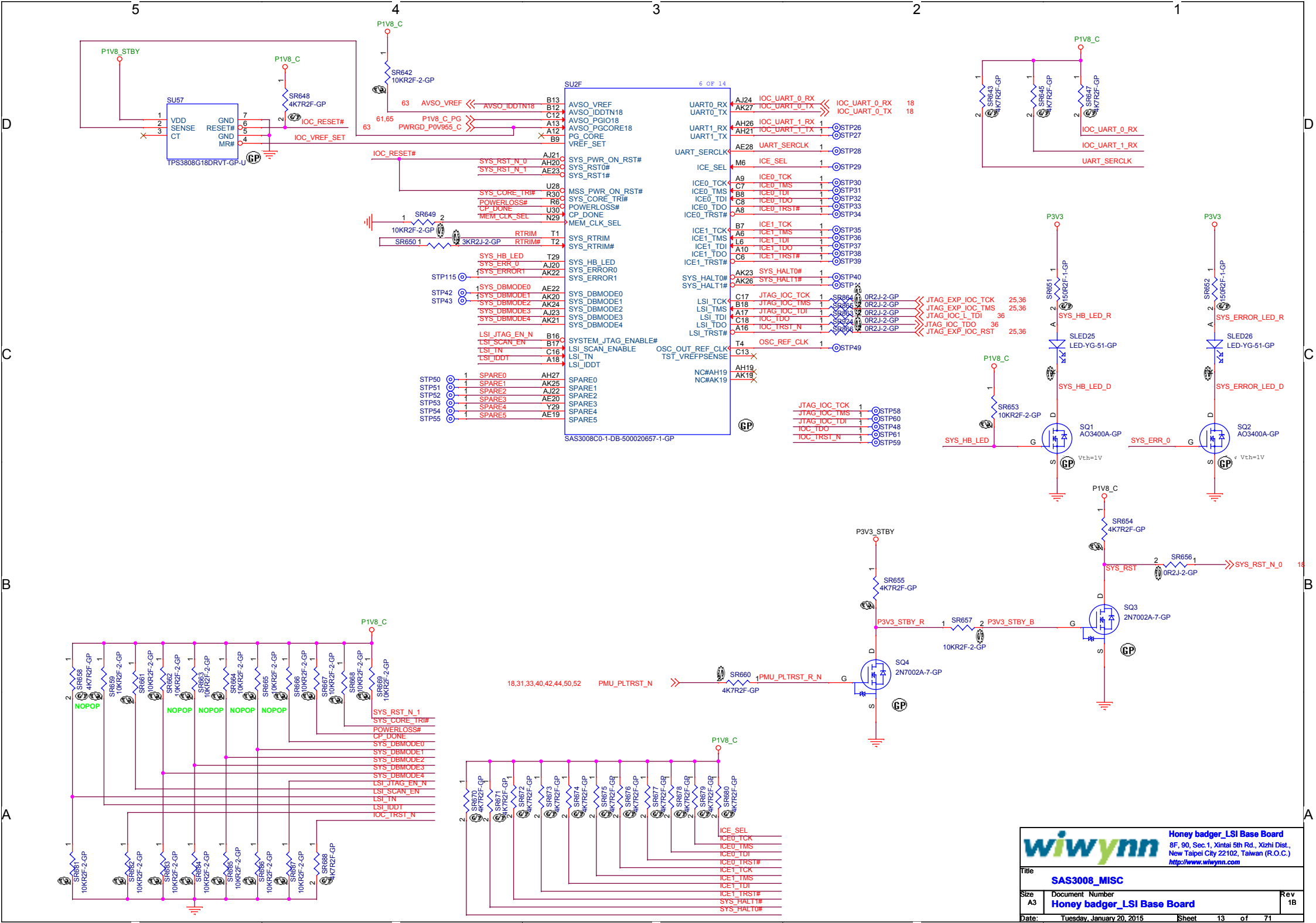
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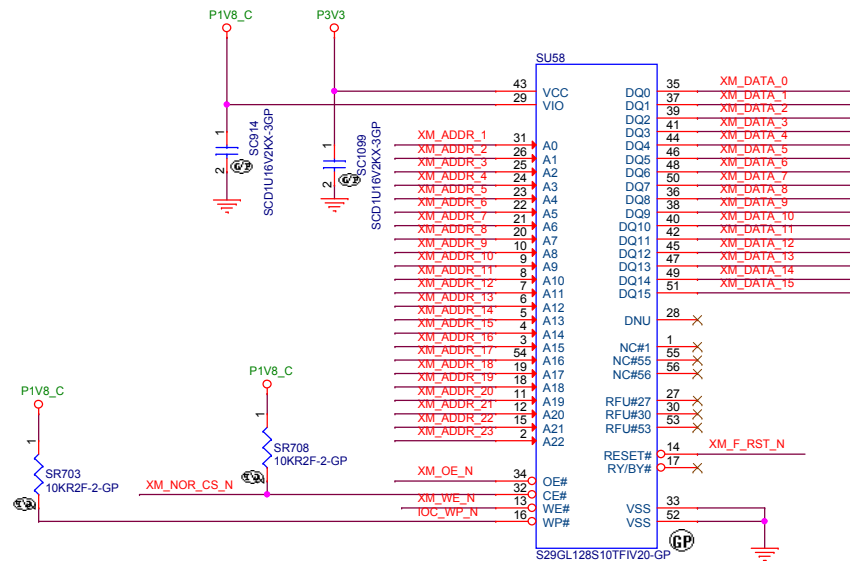
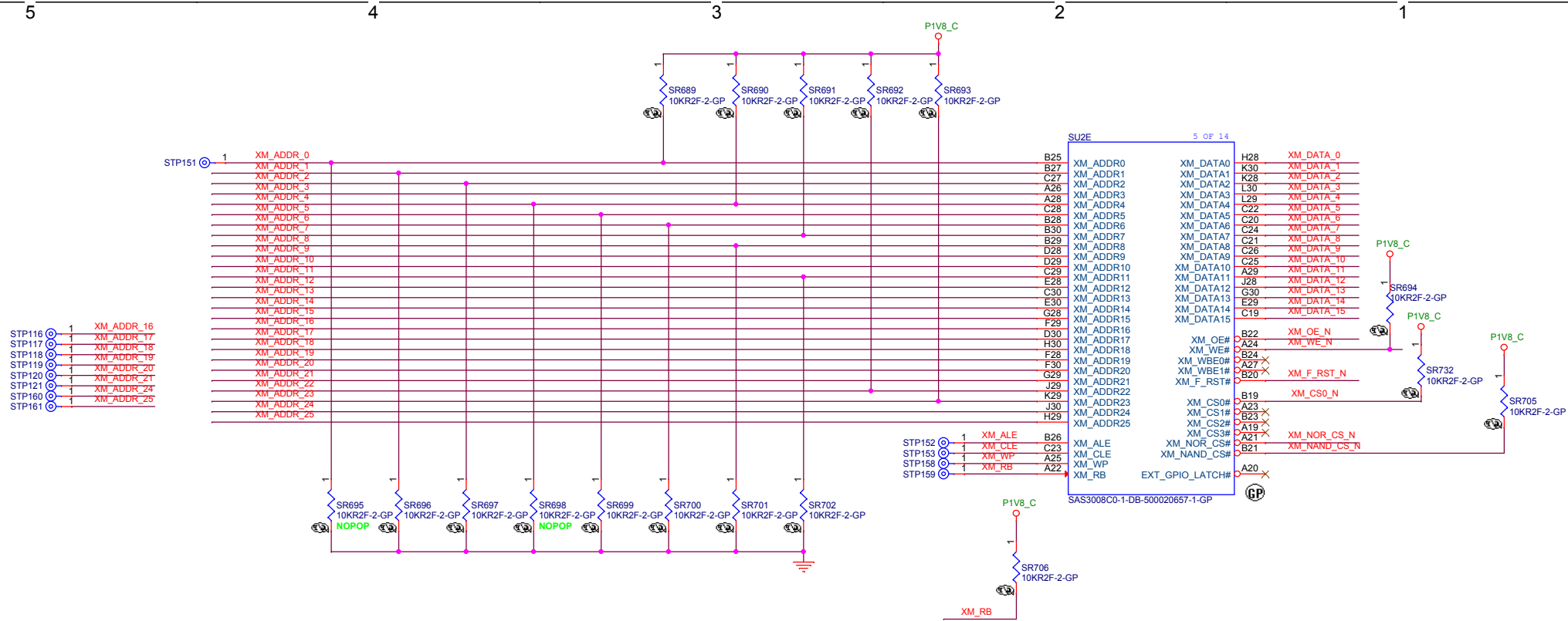
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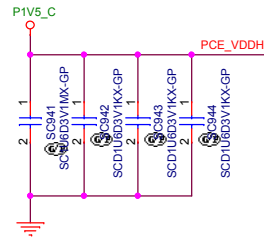
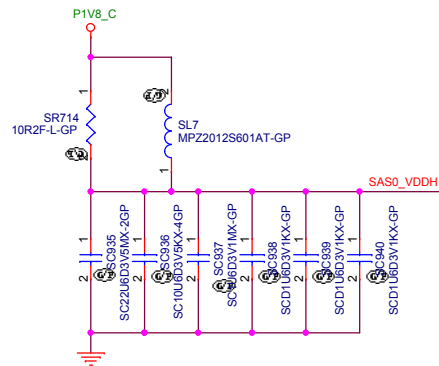
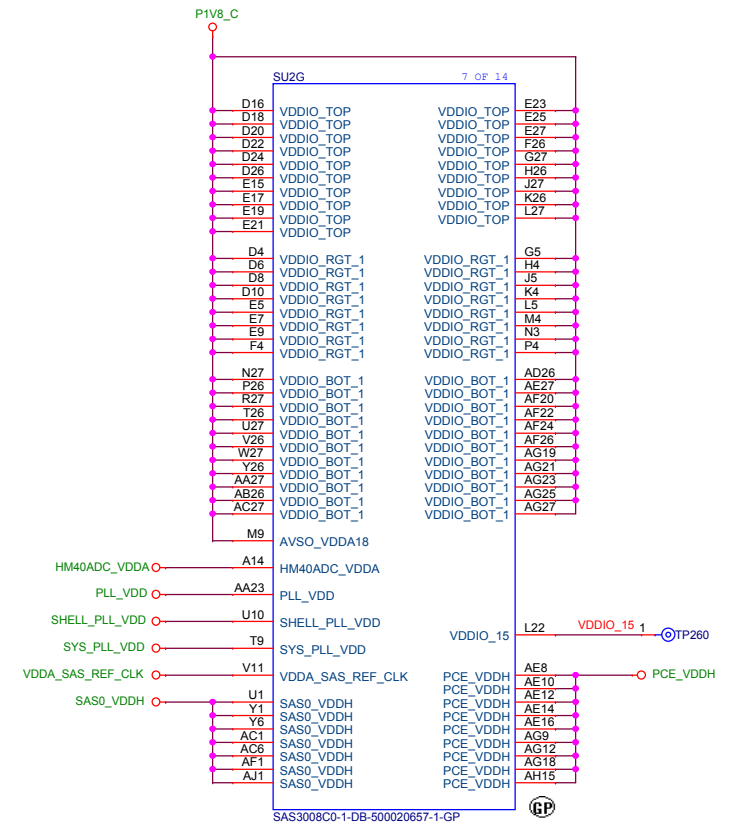
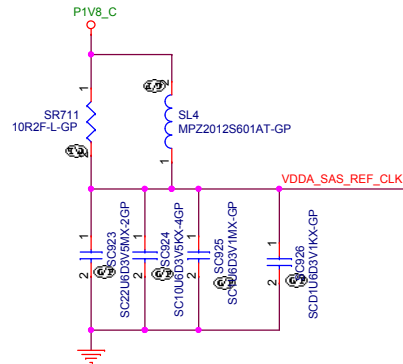
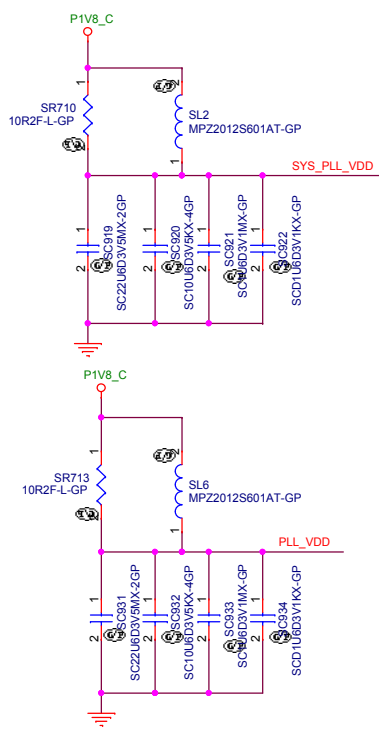
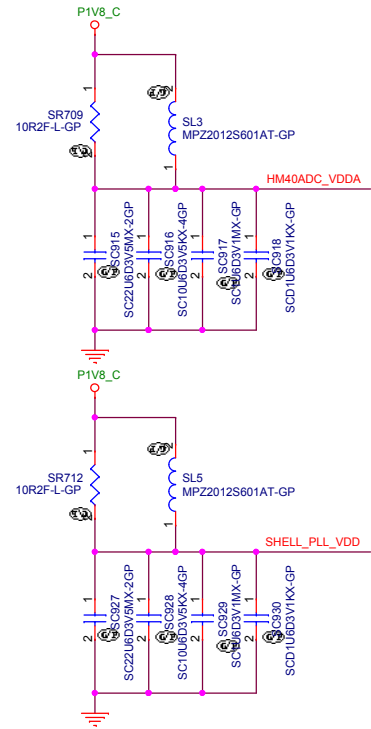
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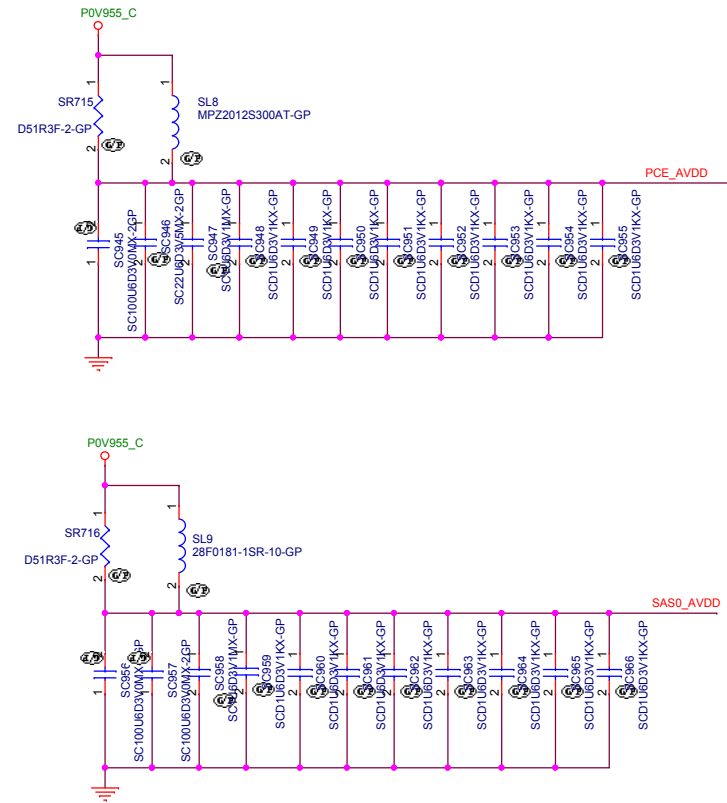
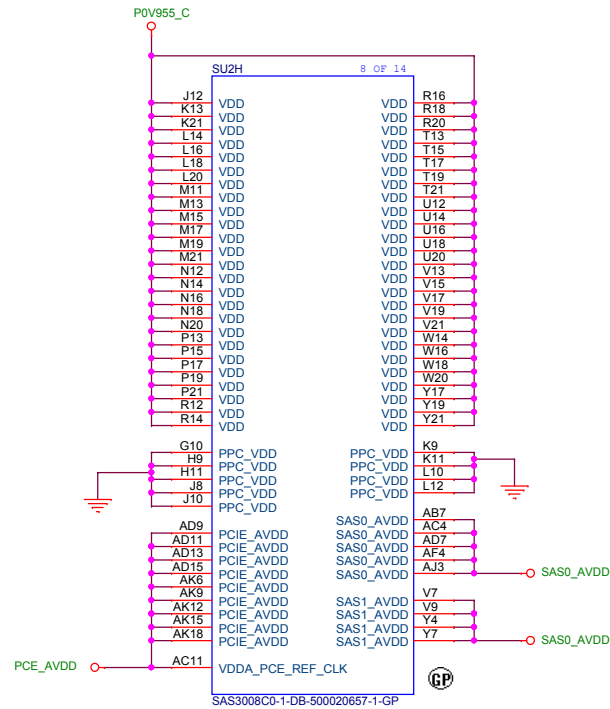
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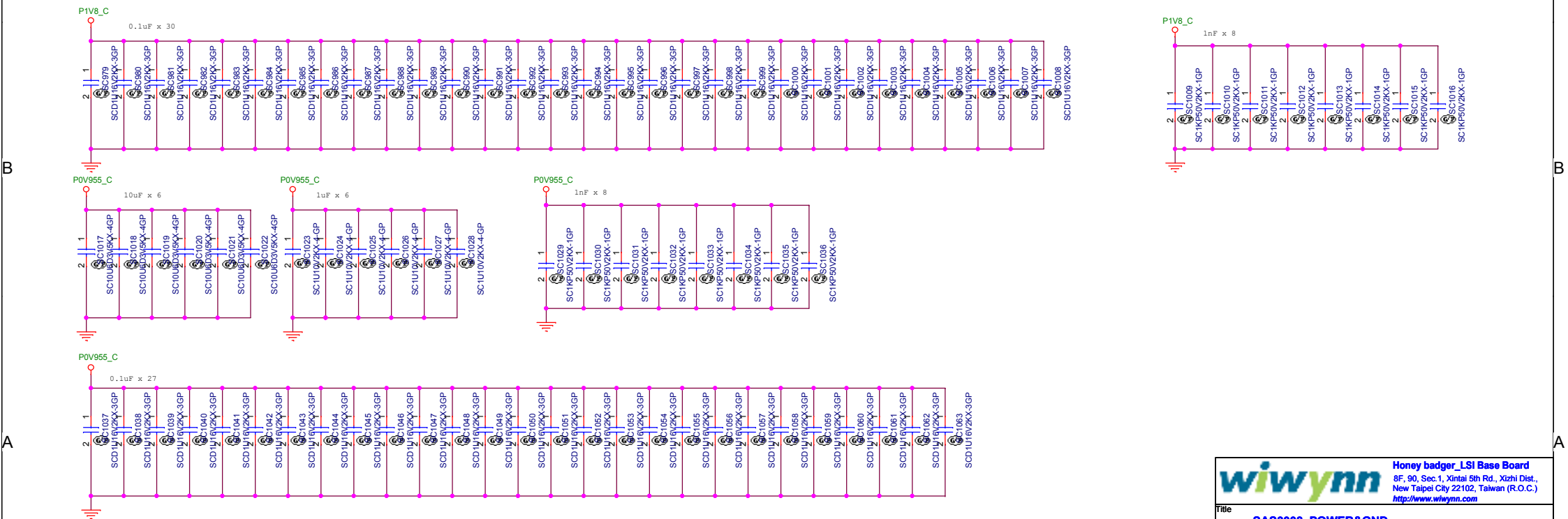
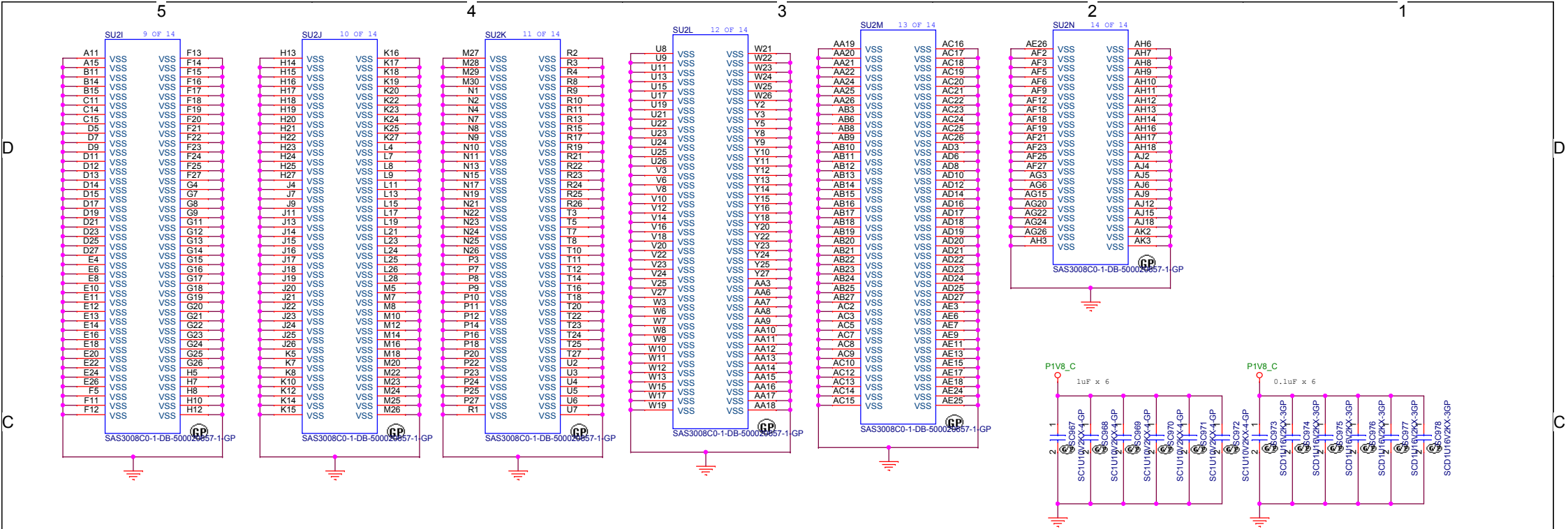
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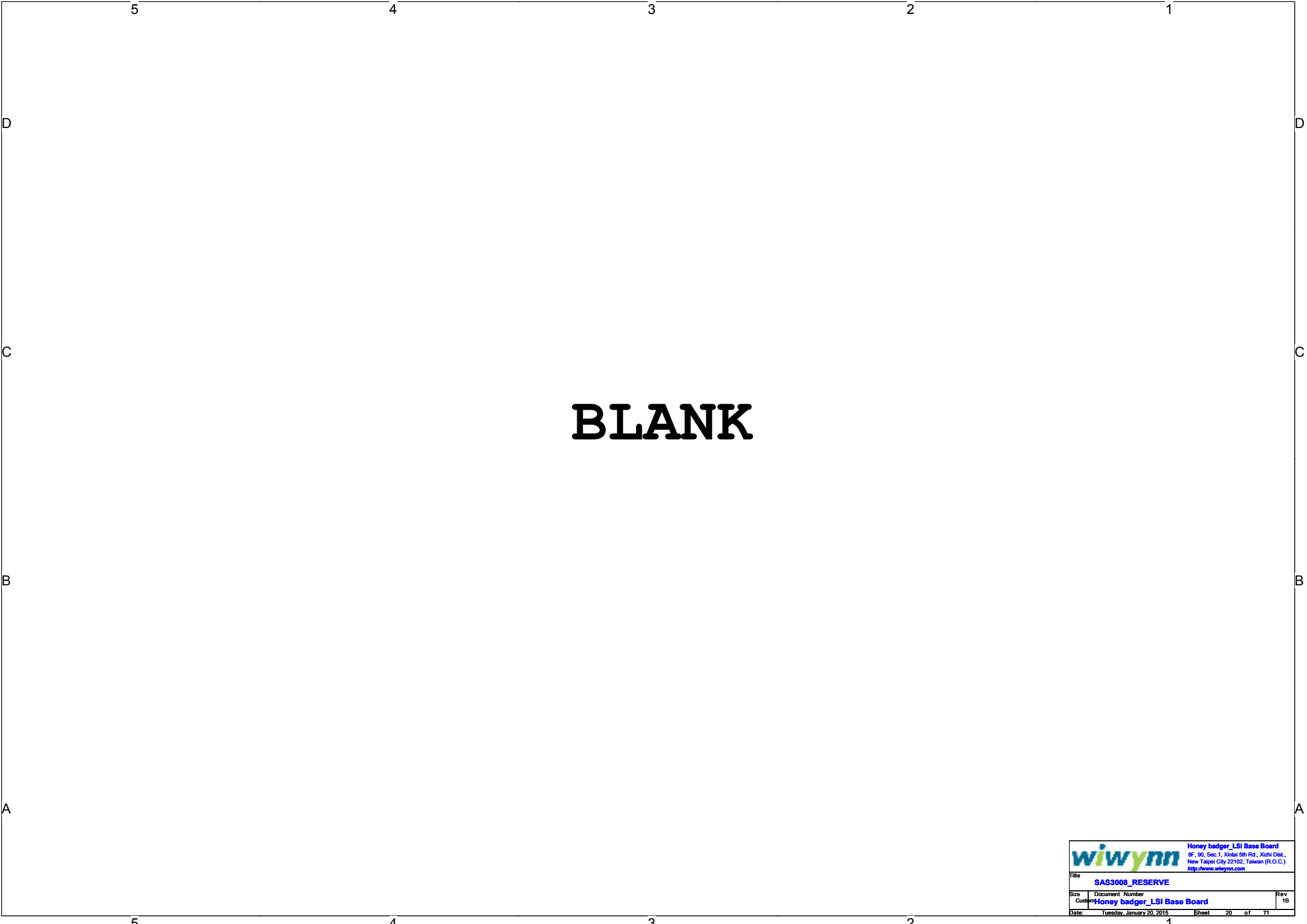
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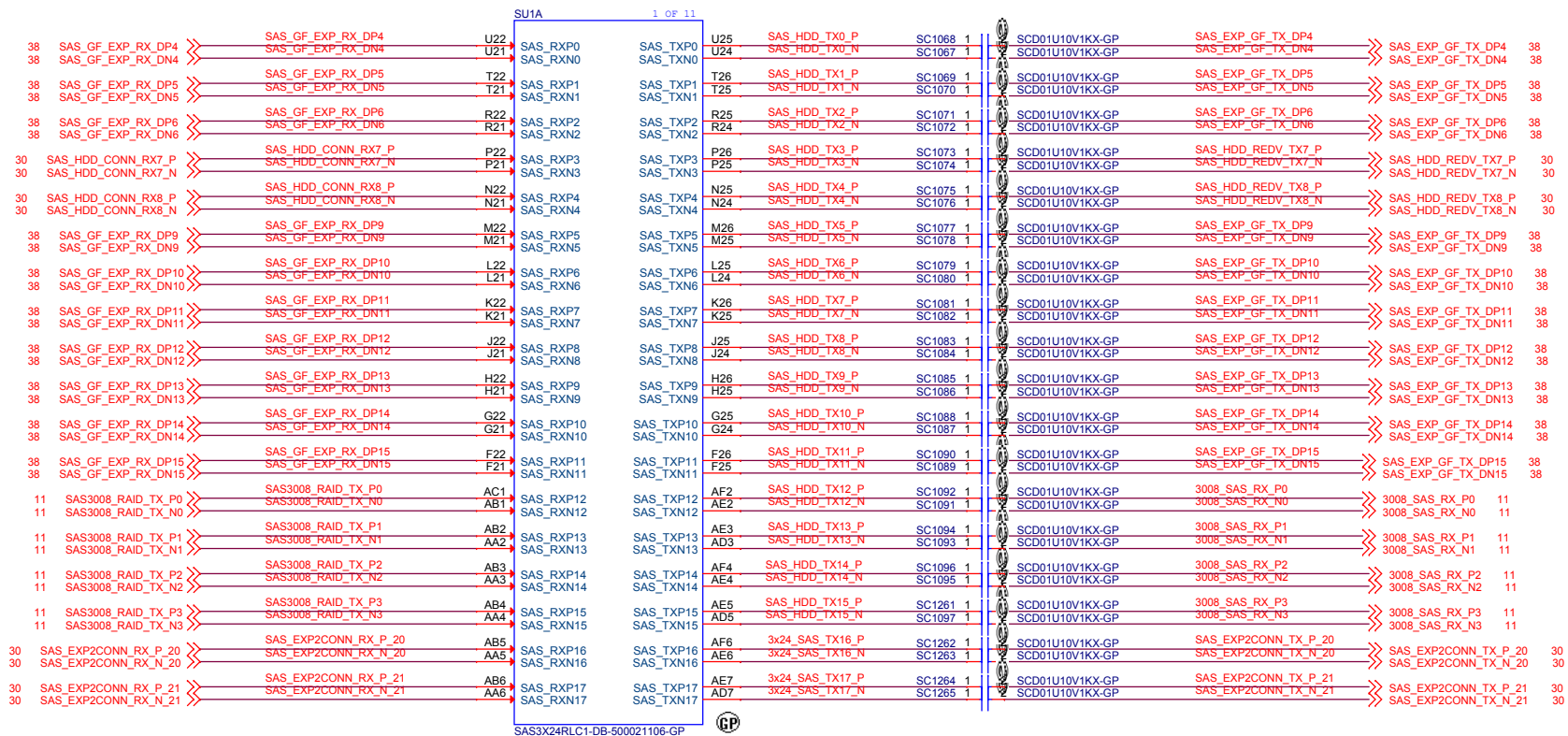


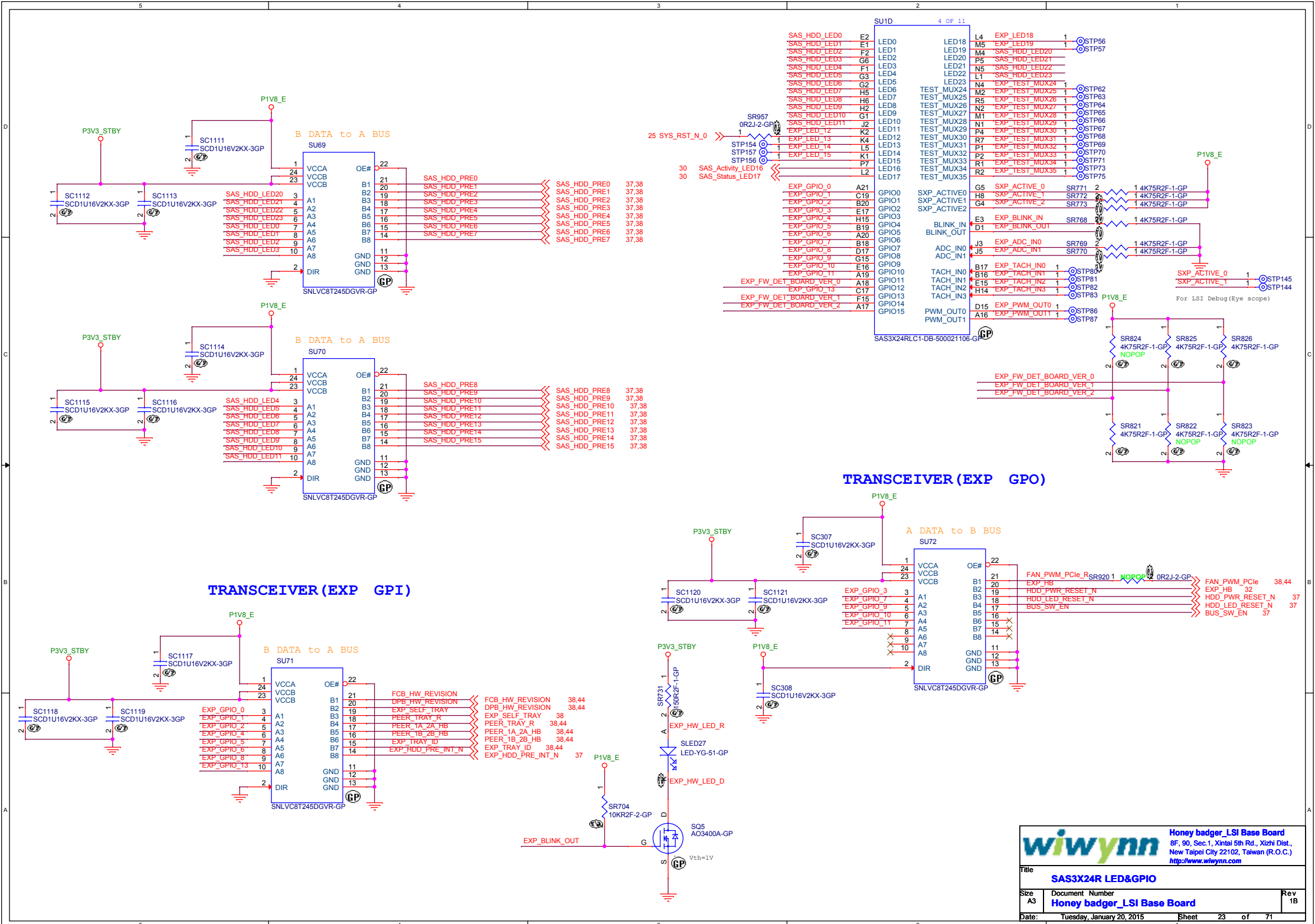


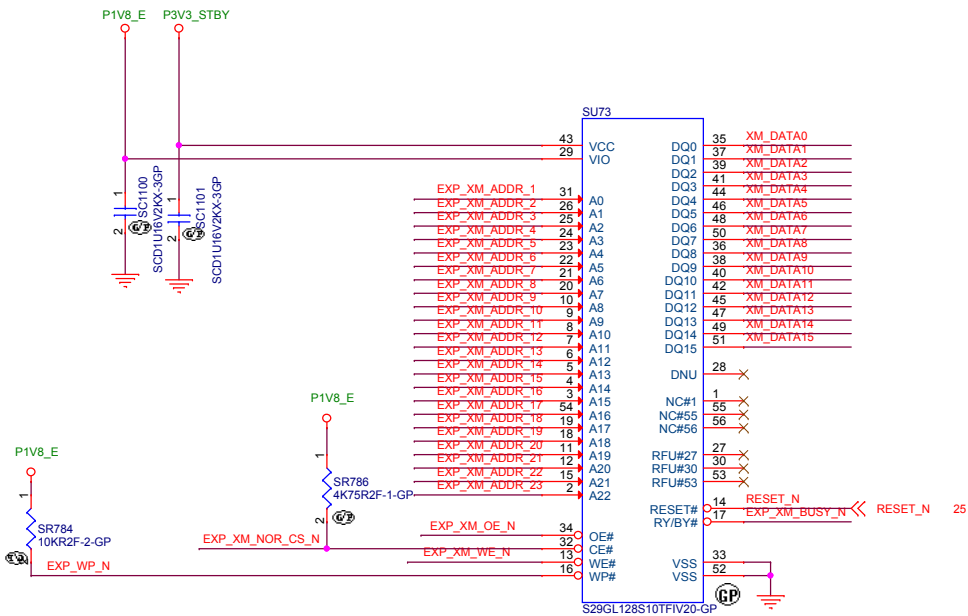
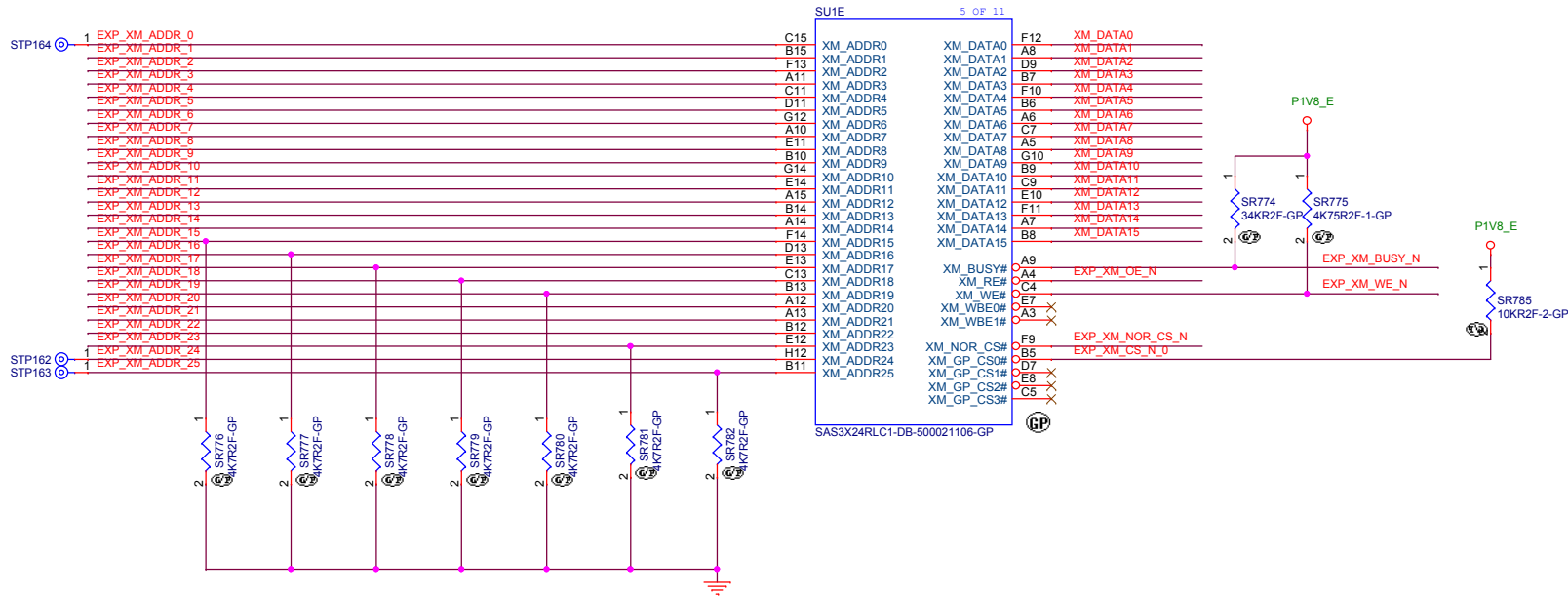
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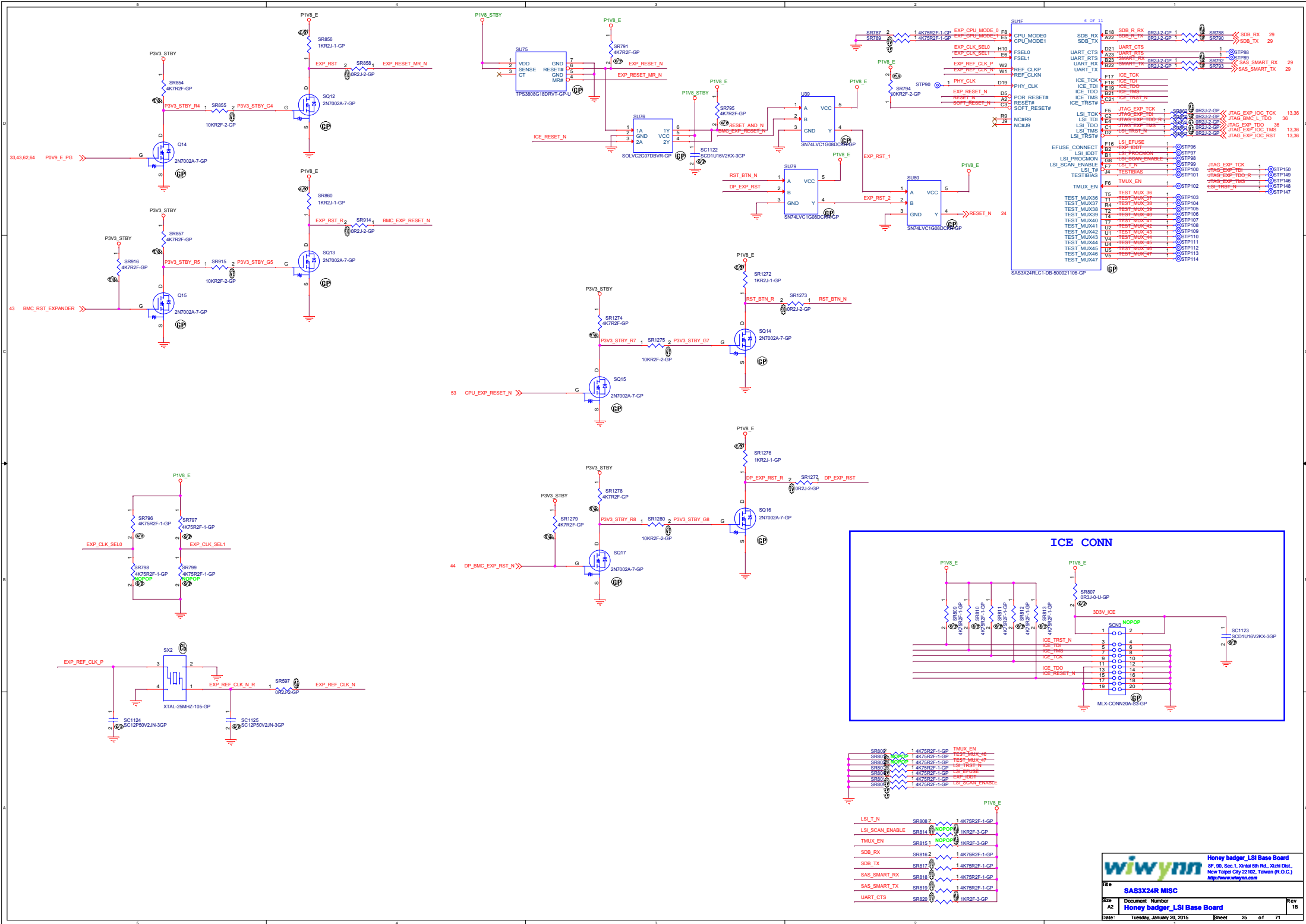


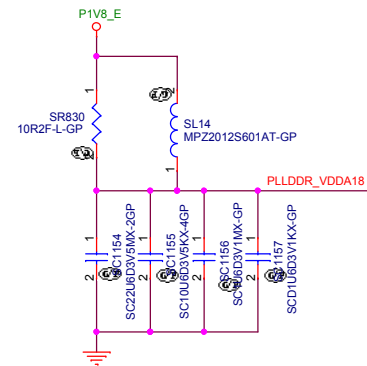
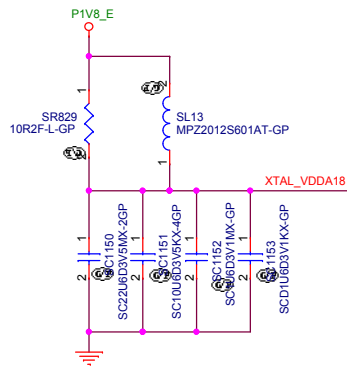
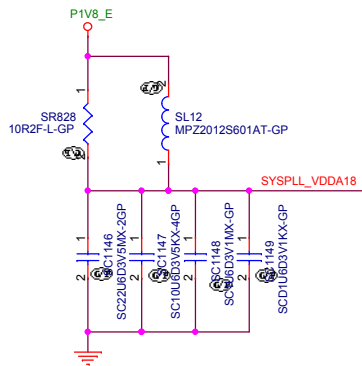
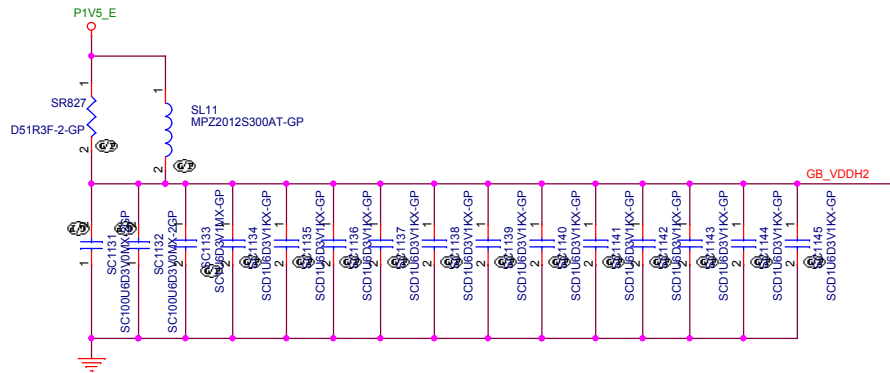
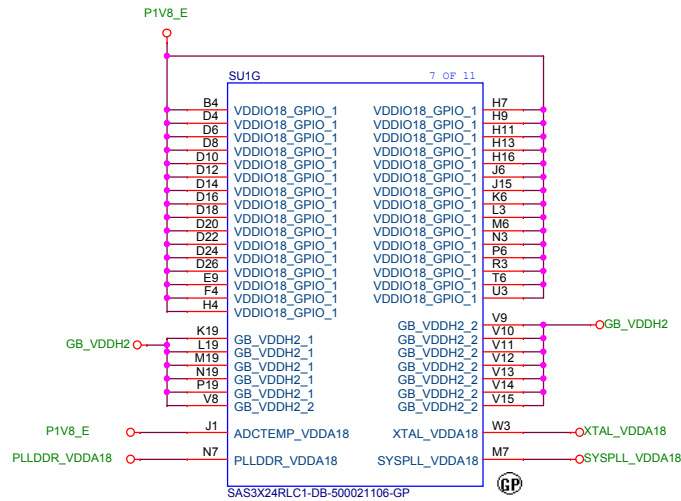
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D

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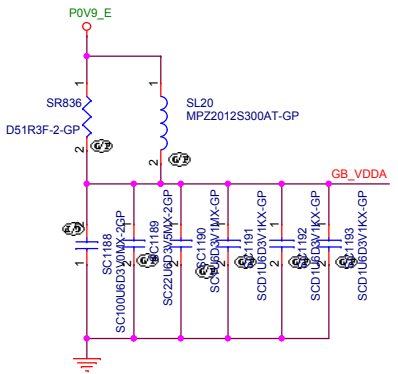
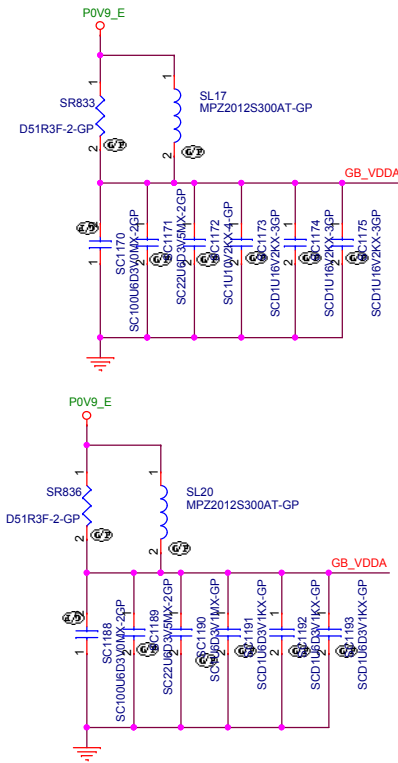
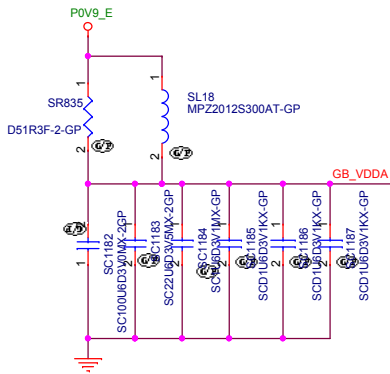
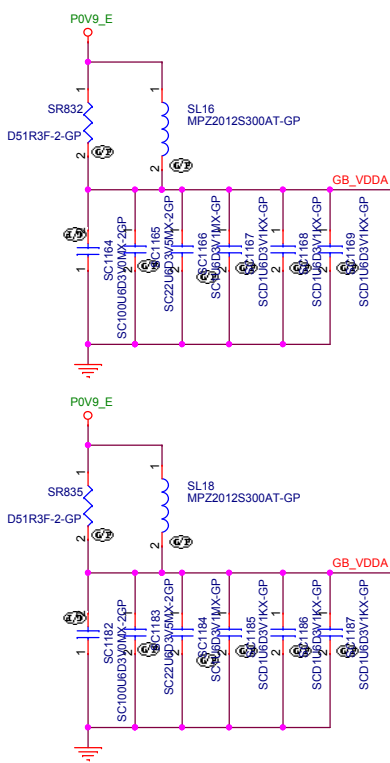
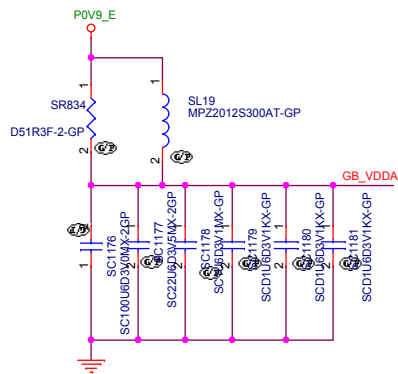
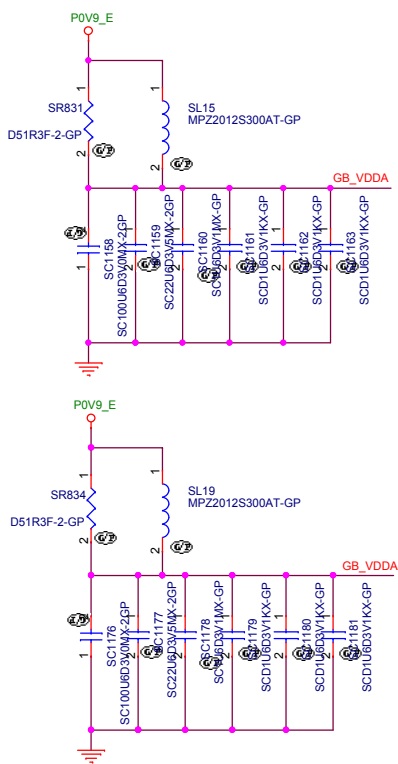
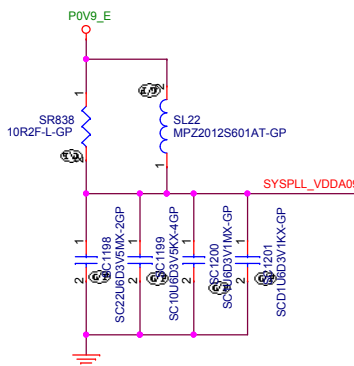
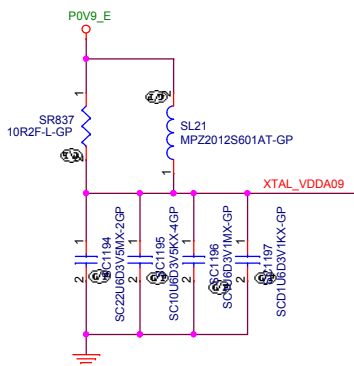
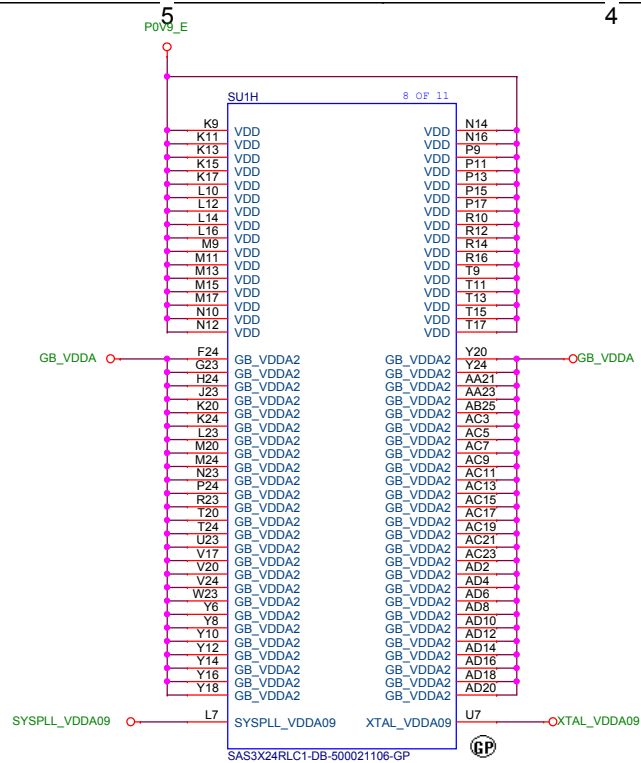
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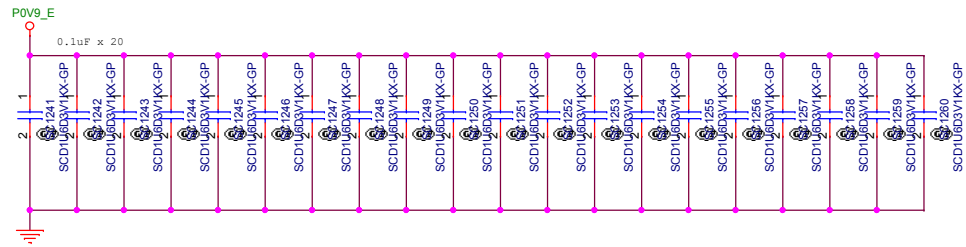
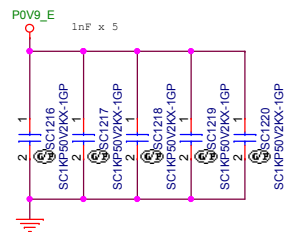
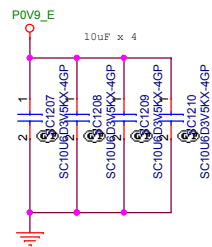
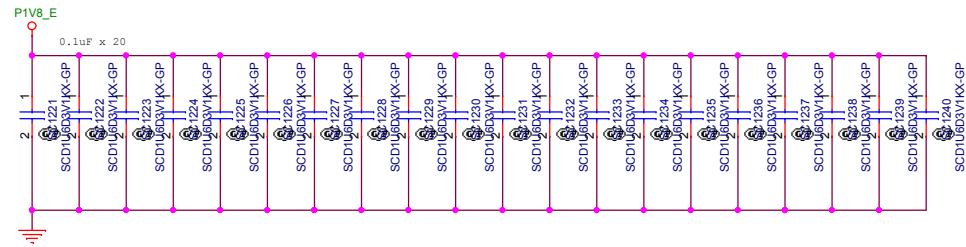
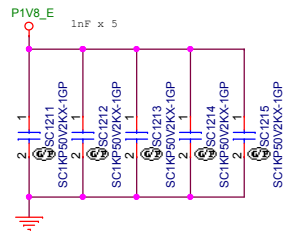
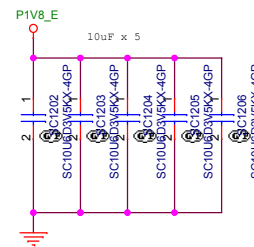
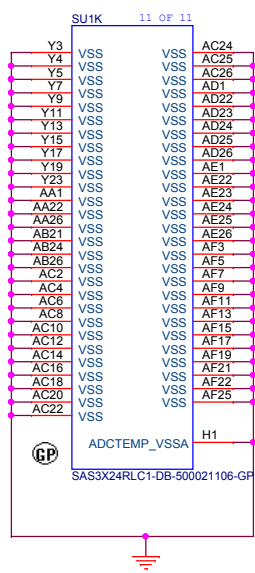
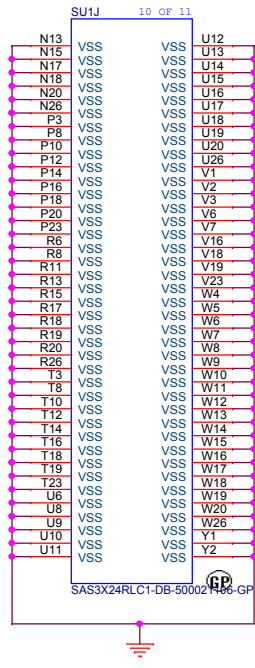
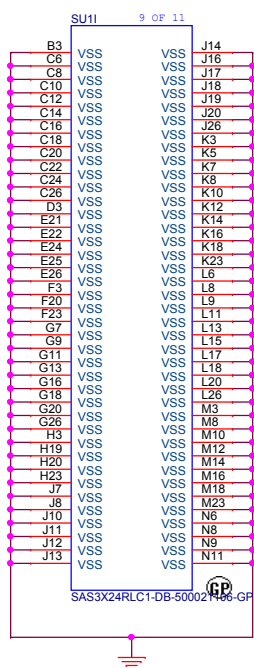
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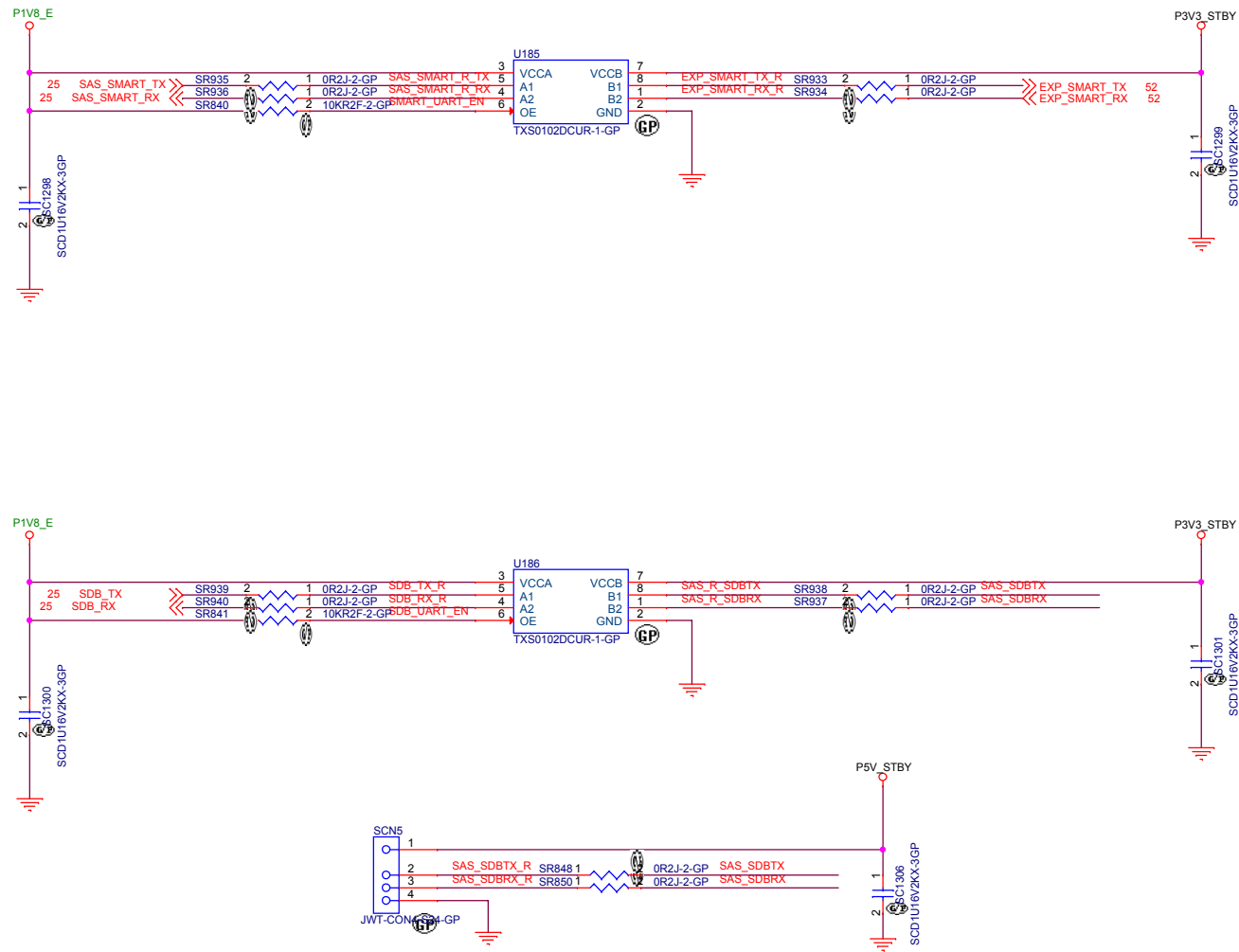
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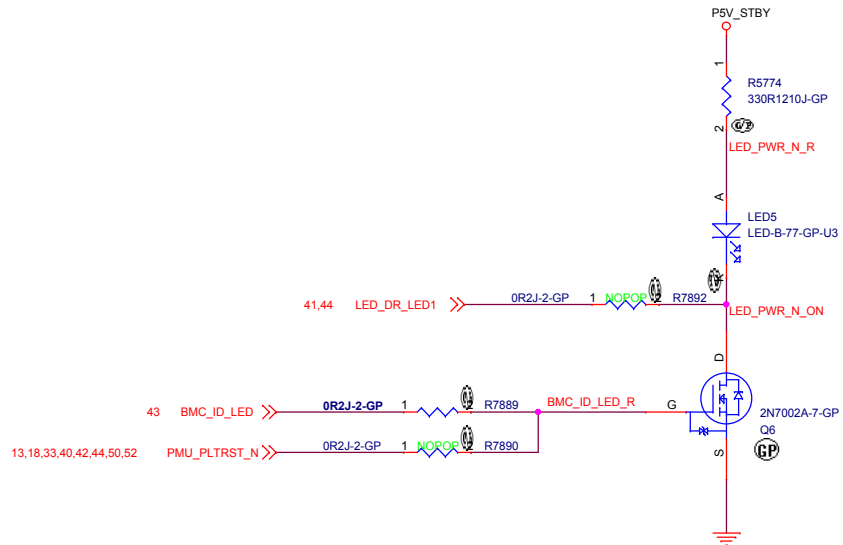




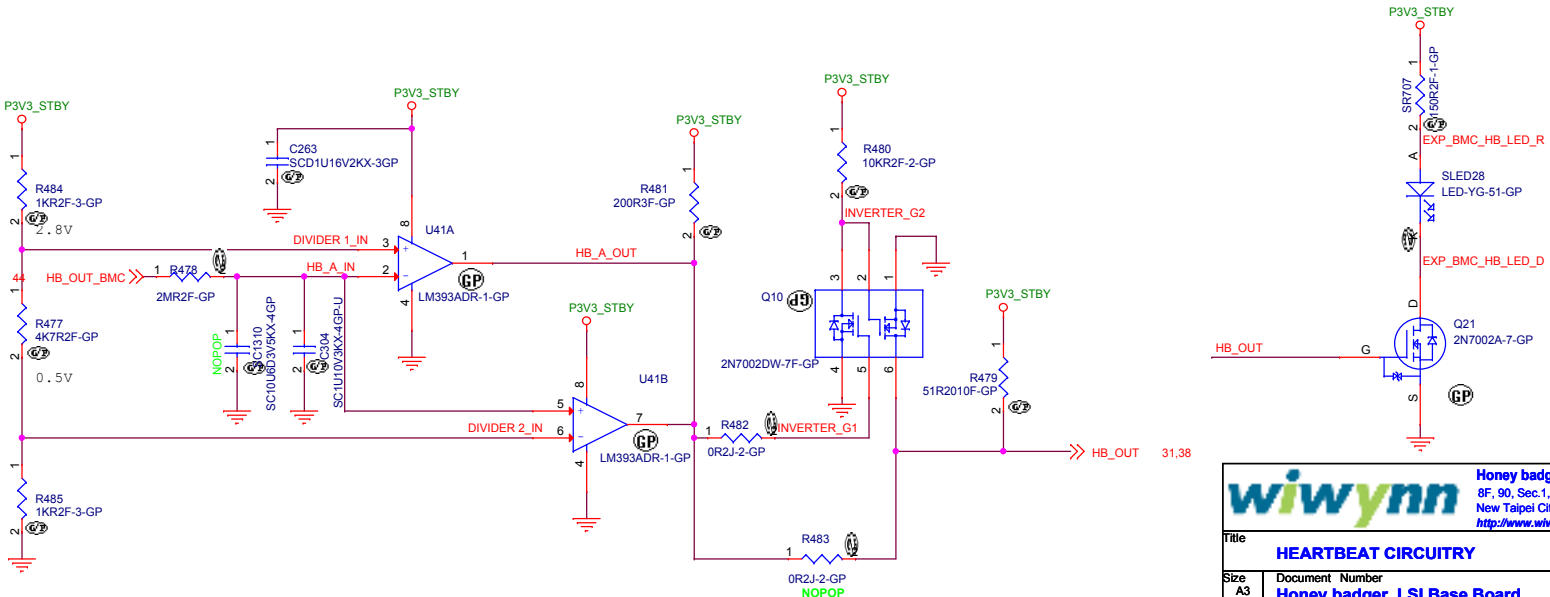
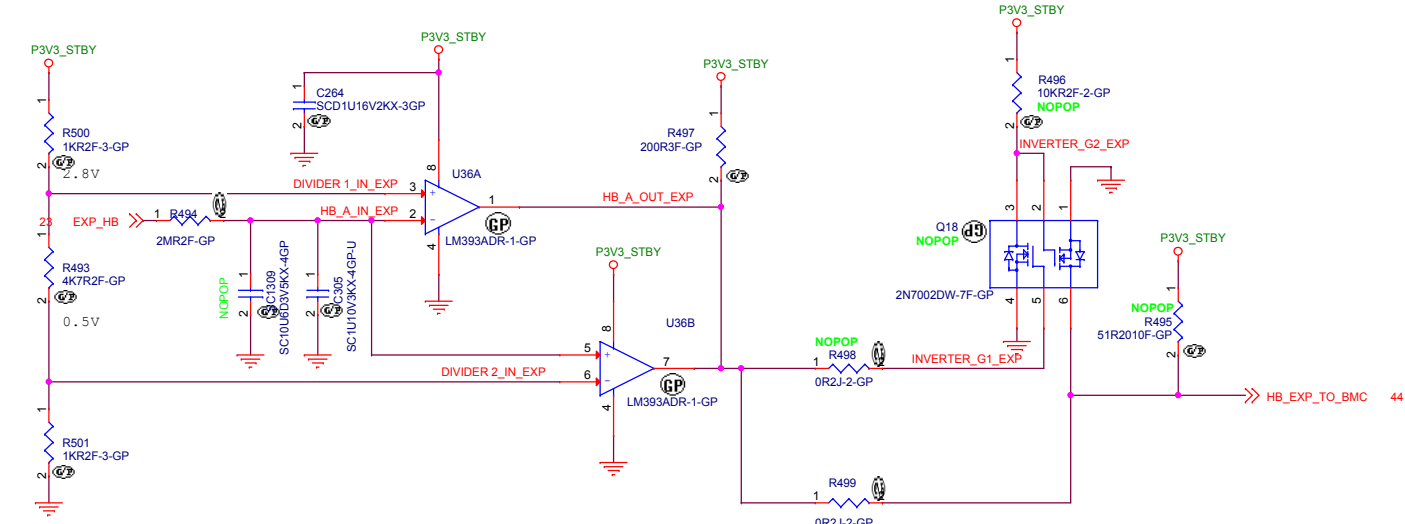
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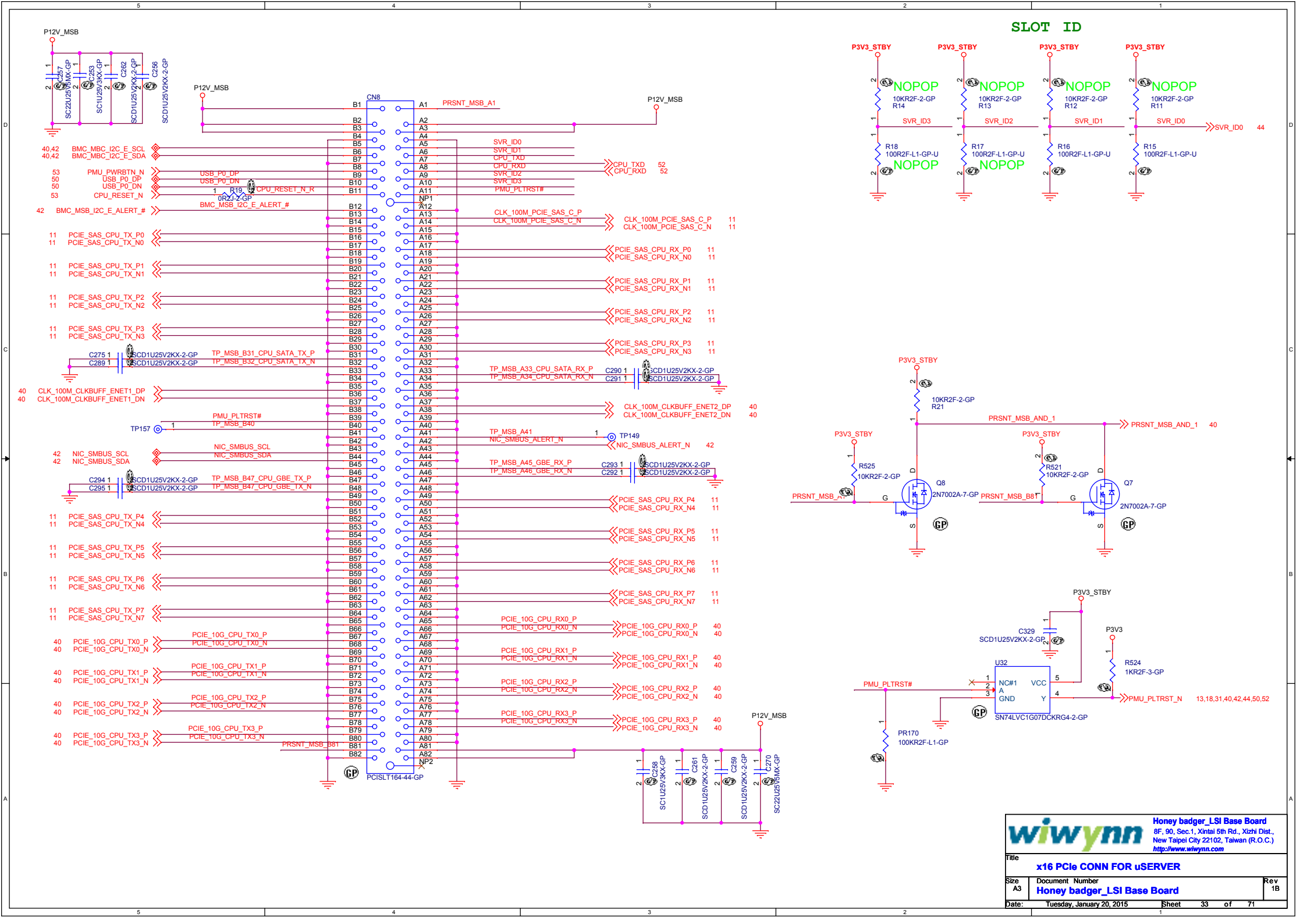


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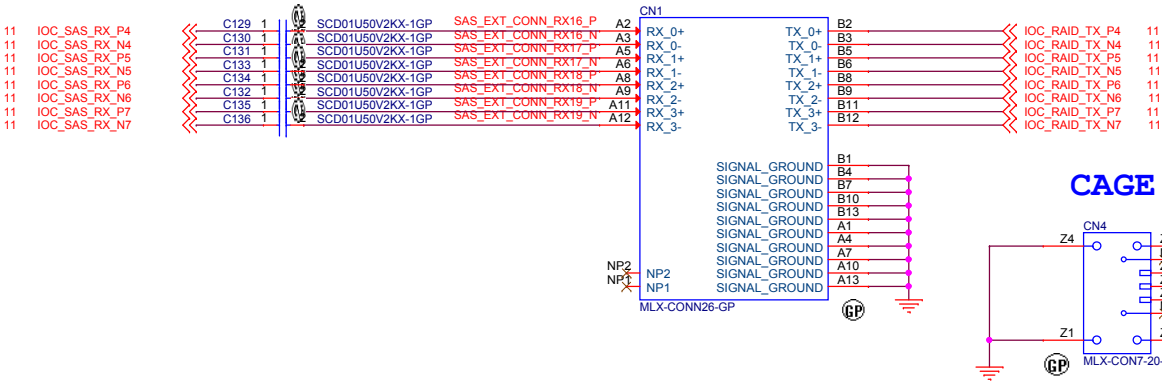


Heart Beat Circuitry





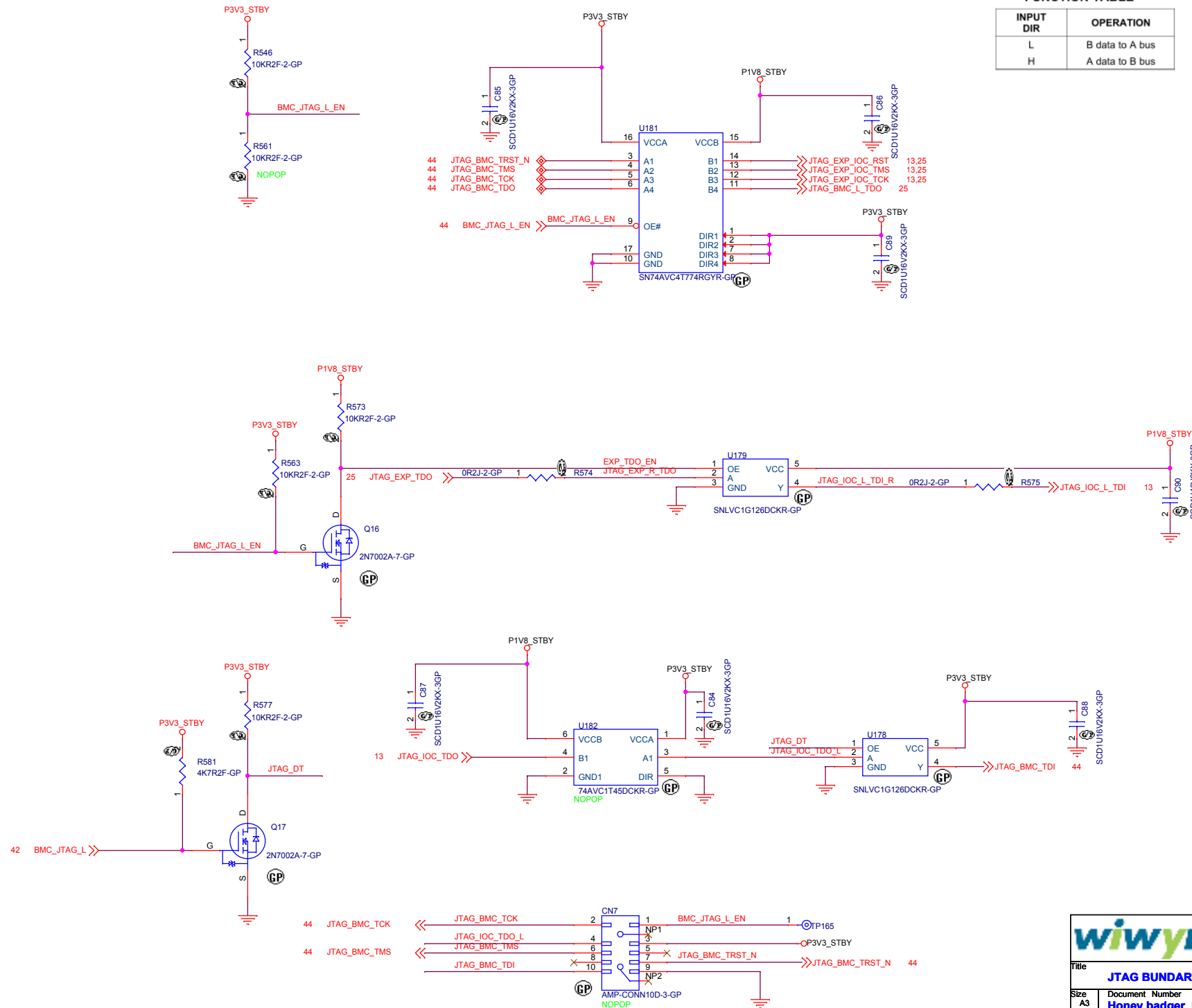
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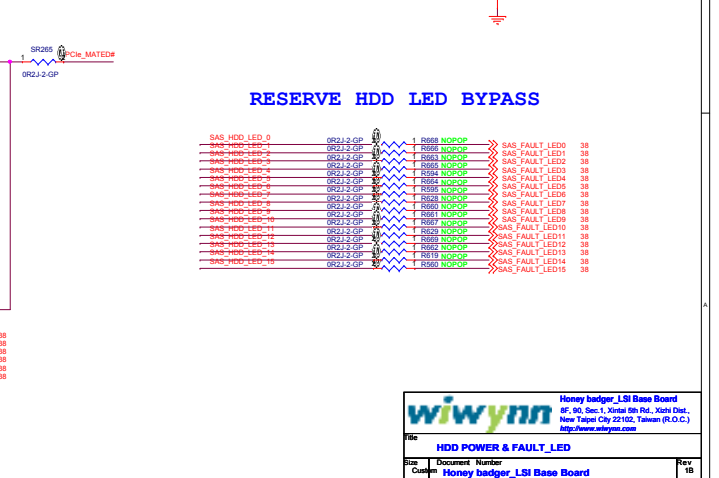
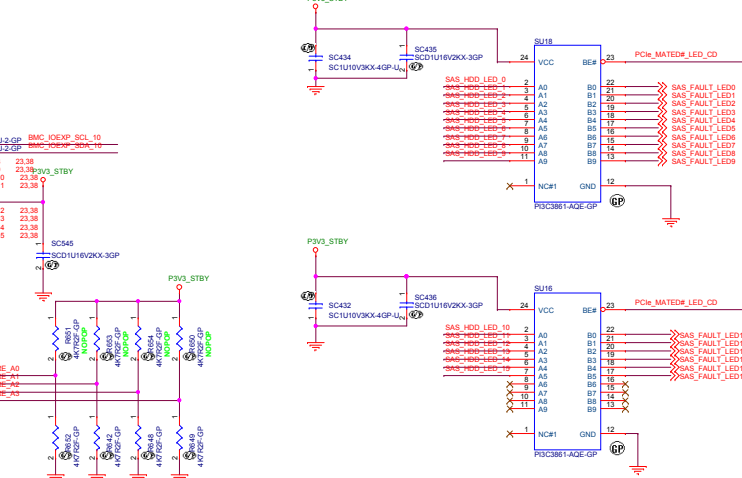
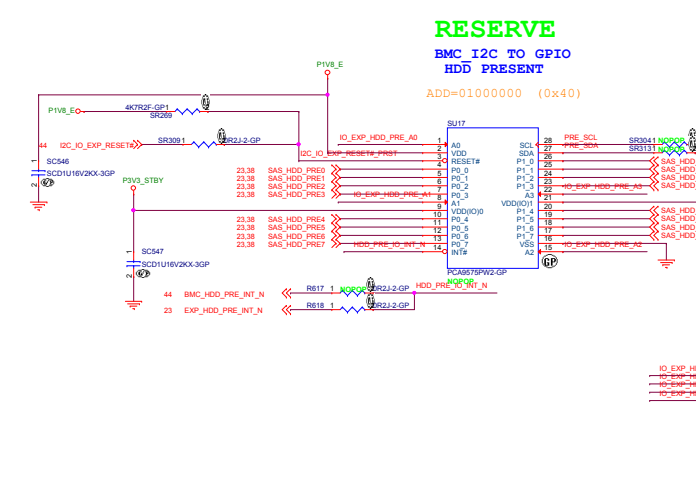
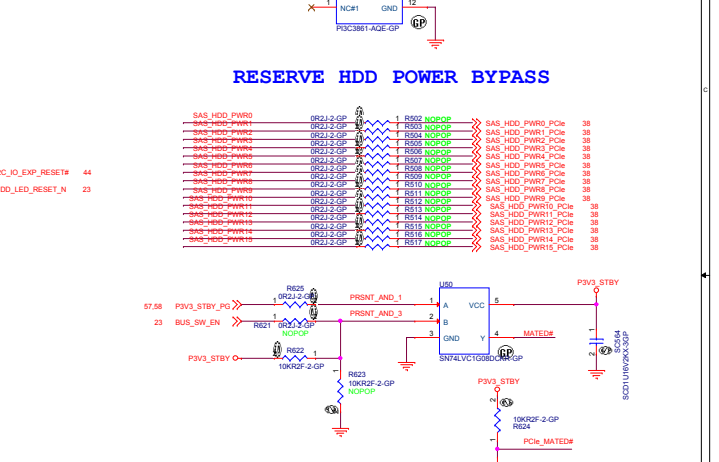
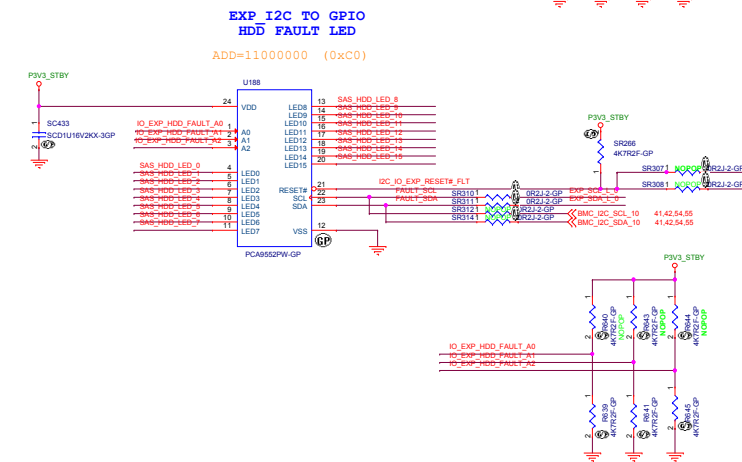
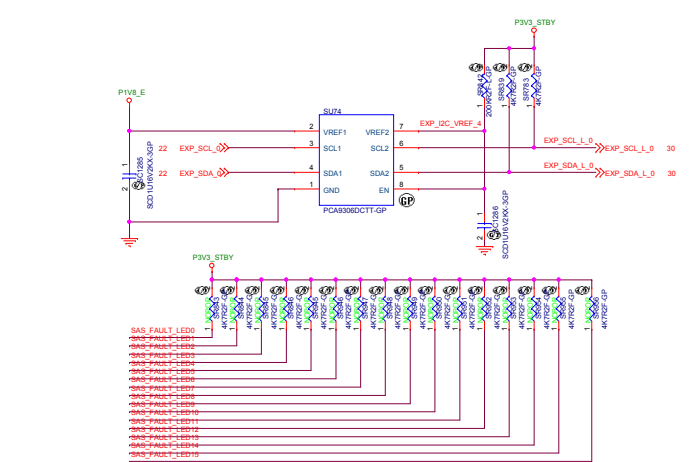
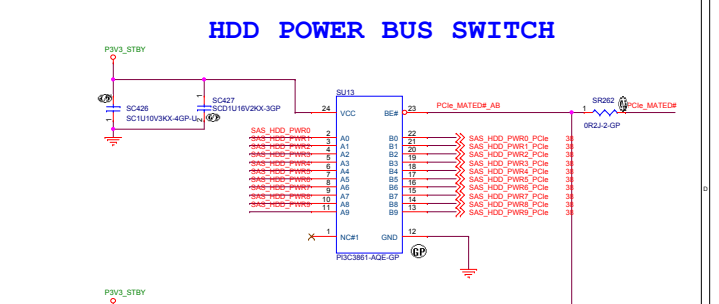
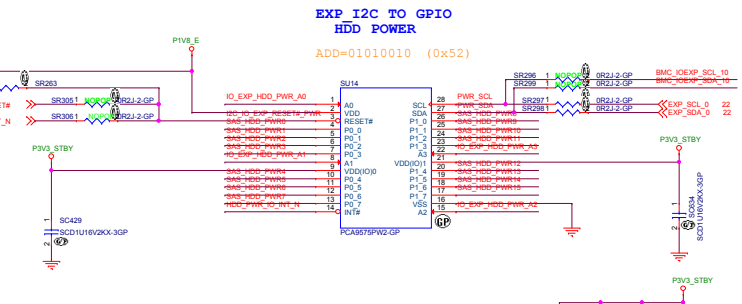
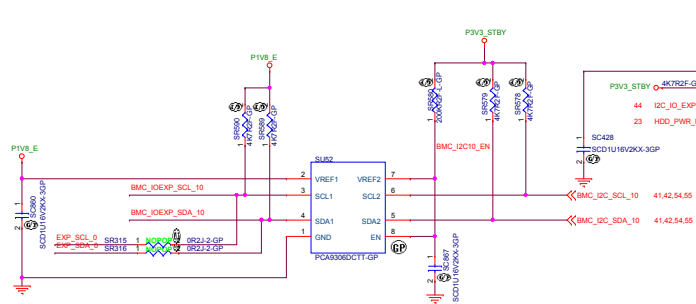


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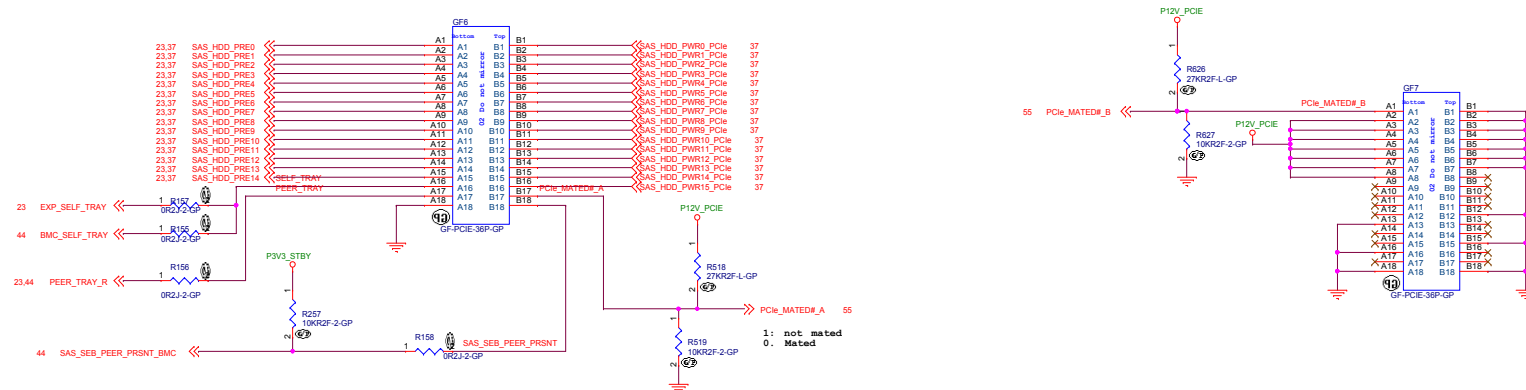
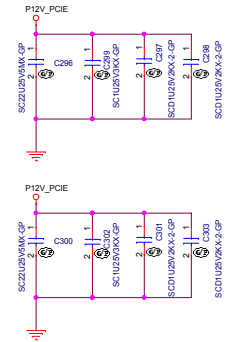
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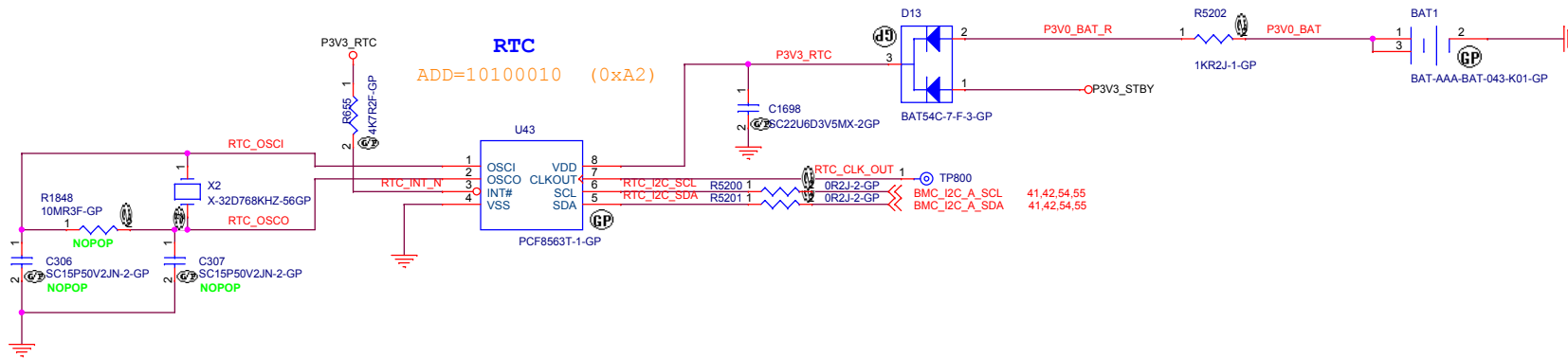
INPUT DIR	OPERATION
L	B data to A bus
H	A data to B bus

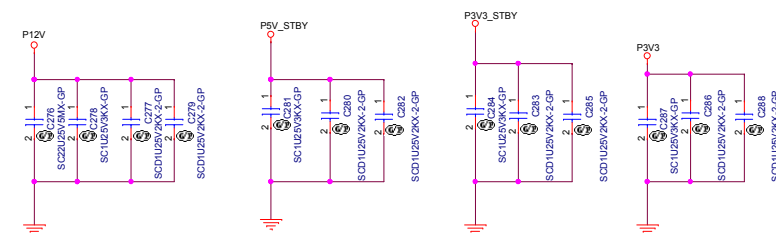
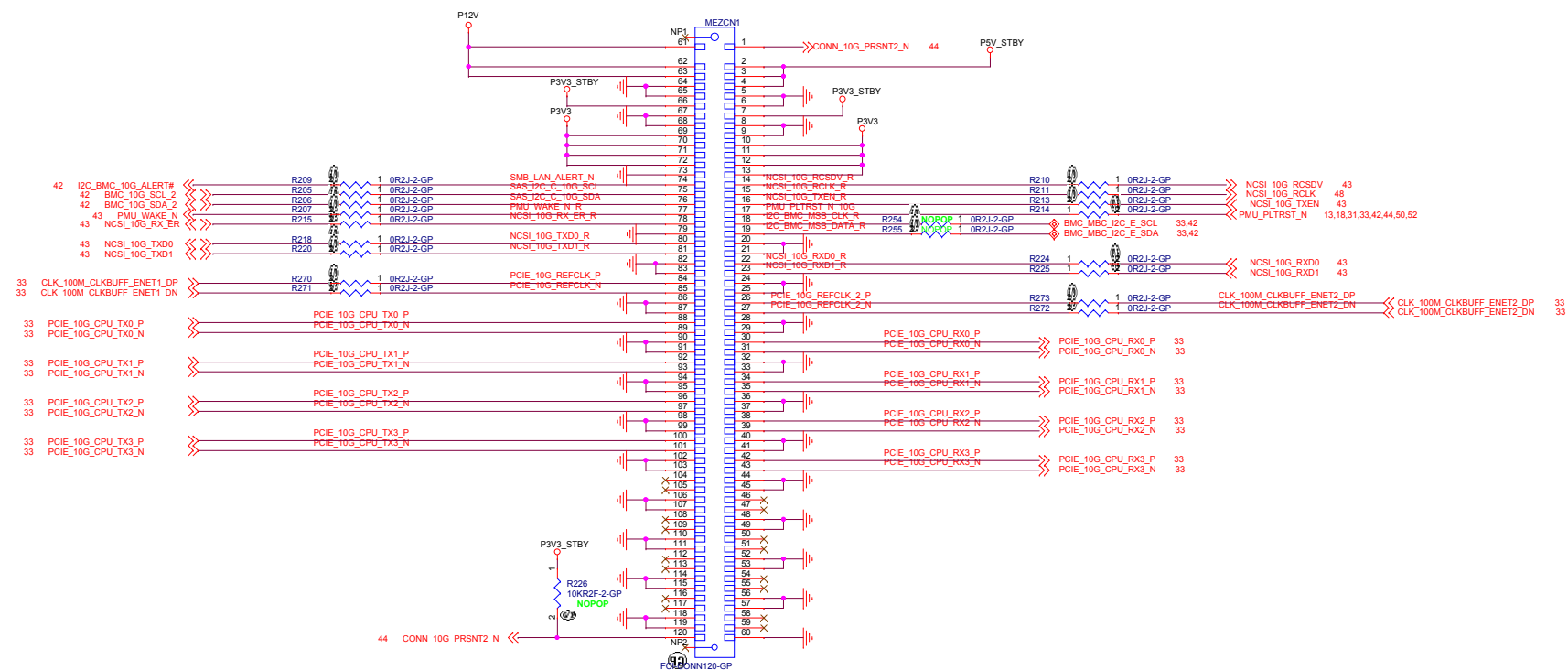


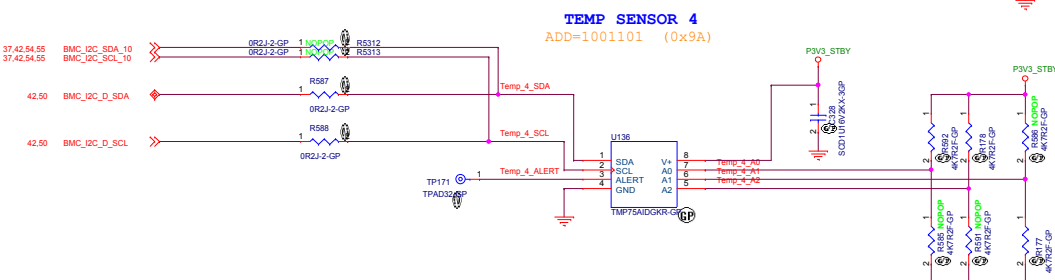
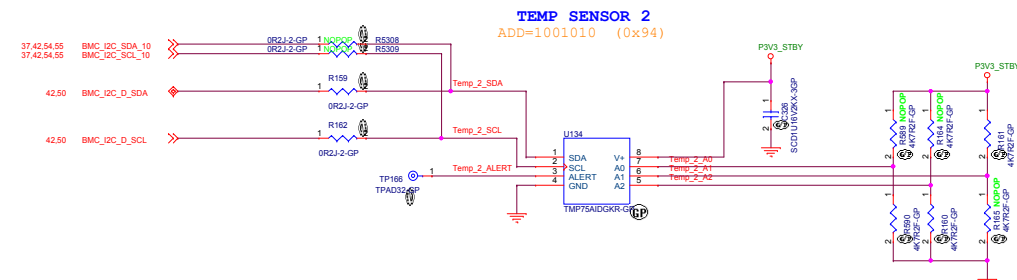
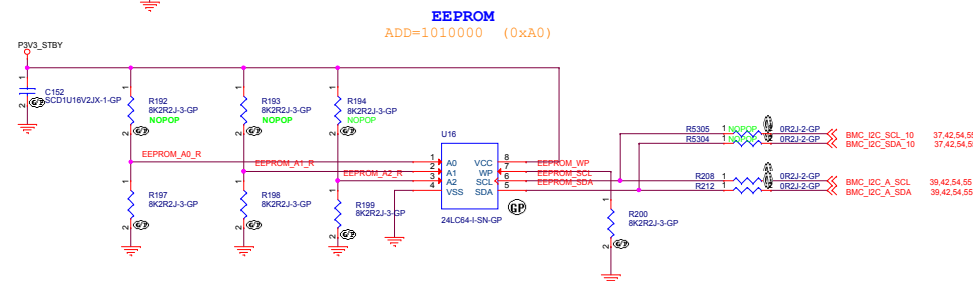
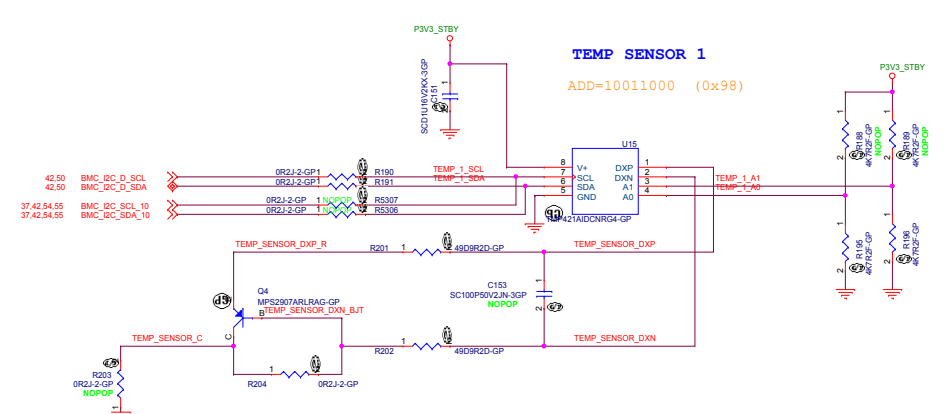


**x1 PCIe 36 PINS GOLDEN FINGER
STRADDLE TYPE**

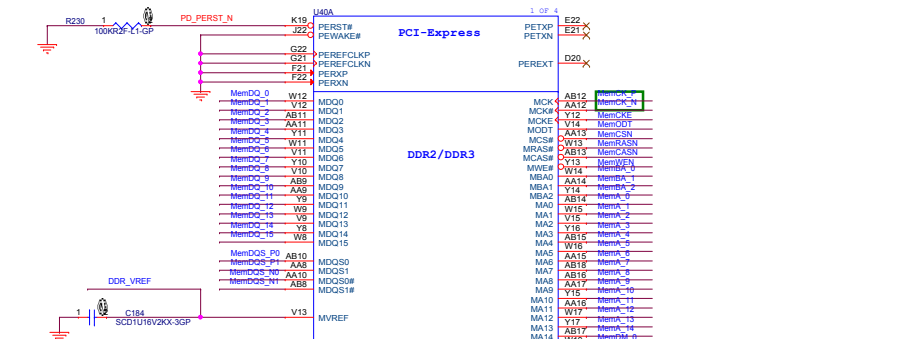
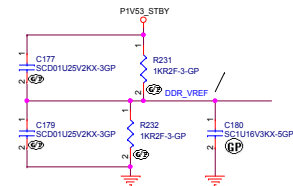




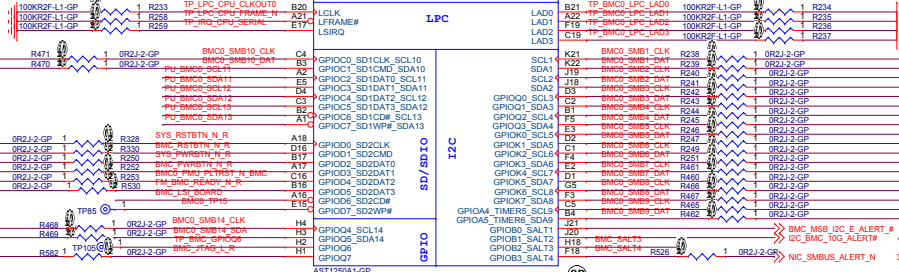
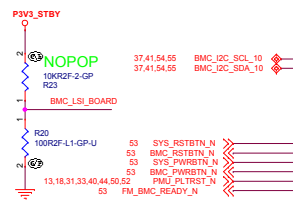




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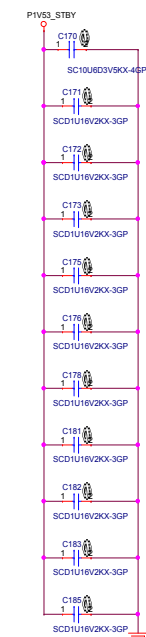
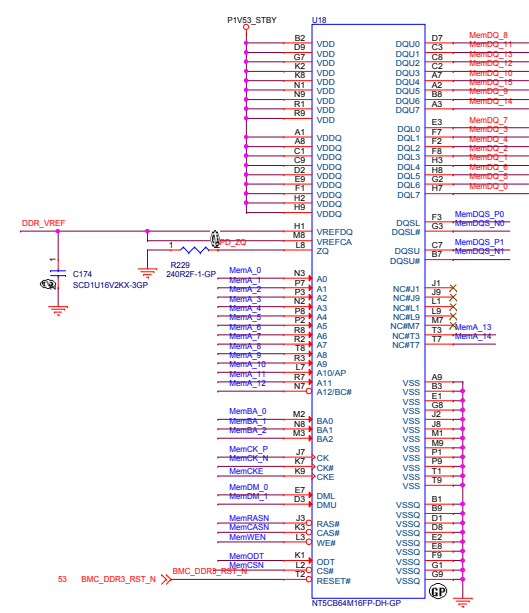


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TP81 @ BMC_MBC_I2C_E_SDA
TP80 @ BMC_MBC_I2C_E_ALERT#

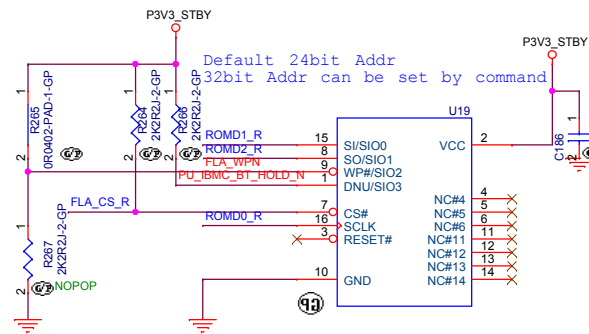


BMC_MBC_I2C_E_SCL	33,40
BMC_MBC_I2C_E_SDA	33,40
BMC_I2G_SCL_2	40
BMC_I2G_SDA_2	40
BMC_I2C_D_SCL	41,50
BMC_I2C_D_SDA	41,50
NIC_SMBUS_SCL	33
NIC_SMBUS_SDA	33
BMC_I2C_A_SCL	39,41,54,55
BMC_I2C_A_SDA	39,41,54,55
BMC_I2C_C_SCL	22,81
BMC_I2C_C_SDA	22,81
BMC_I2C_B_SCL	51
BMC_I2C_B_SDA	51
BMC_I2C_F_SCL	22
BMC_I2C_F_SDA	22
BMC_I2C_SCL_8	22
BMC_I2C_SDA_9	22

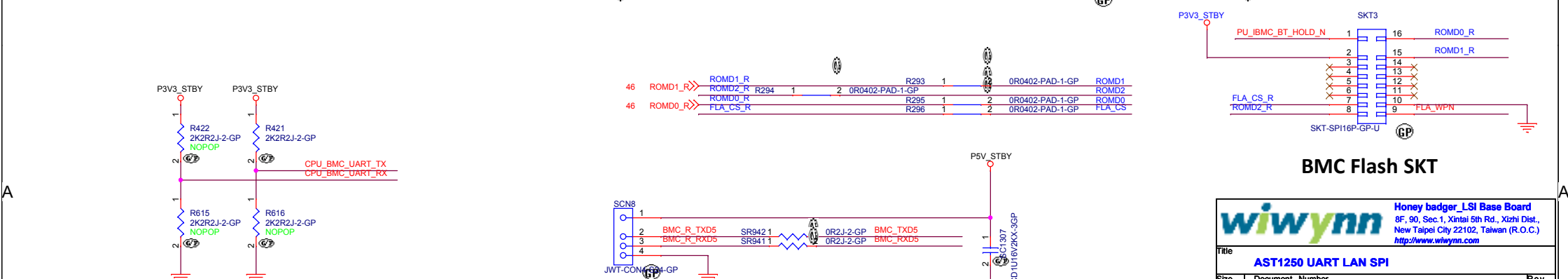
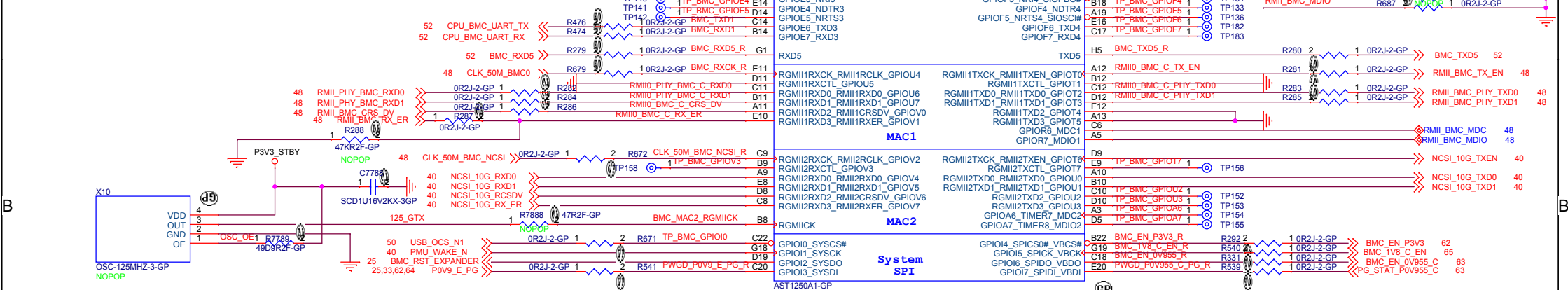
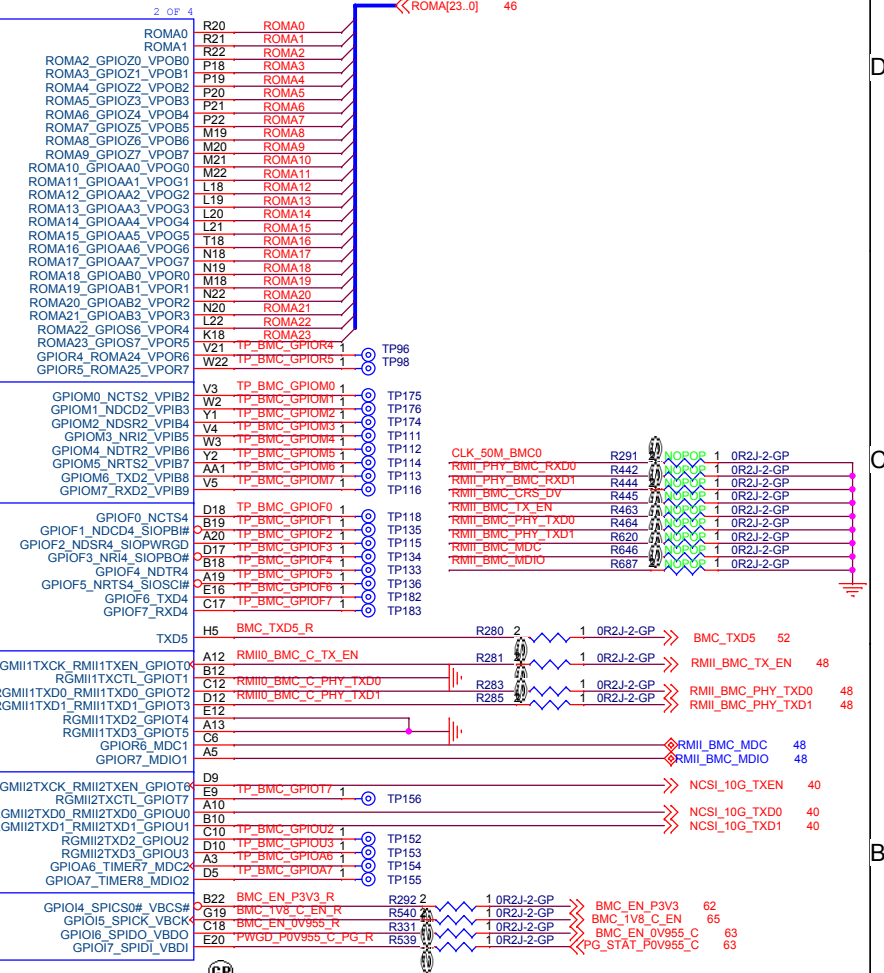
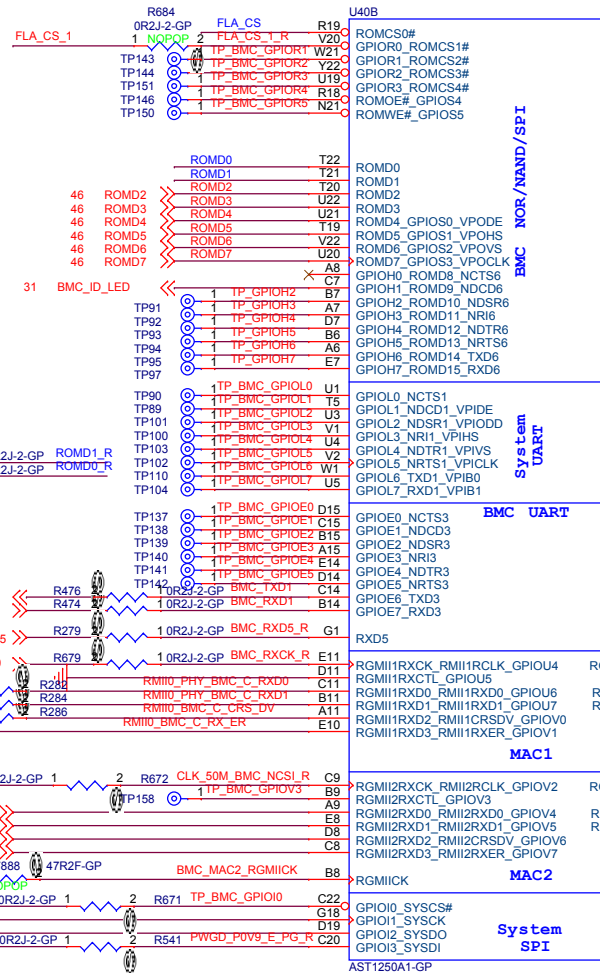
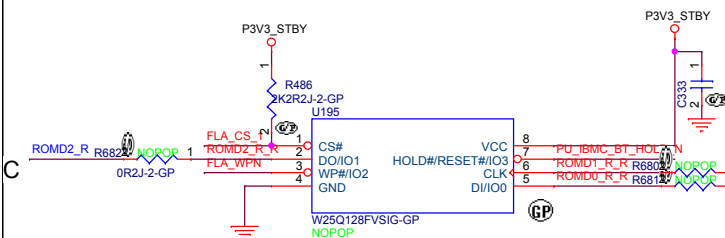
BMC_MBC_I2C_E_SCL	100K2F-2-GP	1	R289
BMC_MBC_I2C_E_SDA	100K2F-2-GP	1	R288
BMC_I2C_SCL_2	100K2F-2-GP	1	R309
BMC_I2C_SDA_2	100K2F-2-GP	1	R308
BMC_I2C_SCL_1	4K75F-GP	2	R411
BMC_I2C_SDA_1	4K75F-GP	2	R411
NIC_SMBUS_SCL	4K75F-GP	1	R314
NIC_SMBUS_SDA	4K75F-GP	1	R314
BMC_I2C_A_SCL	4K75F-GP	1	R438
BMC_I2C_A_SDA	4K75F-GP	1	R438
BMC_I2C_C_SCL	4K75F-GP	1	R492
BMC_I2C_C_SDA	4K75F-GP	1	R492
BMC_I2C_E_SCL	4K75F-GP	1	R441
BMC_I2C_E_SDA	4K75F-GP	1	R441
BMC_I2C_F_SCL	4K75F-GP	1	R442
BMC_I2C_F_SDA	4K75F-GP	1	R442
PU_BMC0_SCL11	100K2F-2-GP	1	R260
PU_BMC0_SCL12	100K2F-2-GP	1	R261
PU_BMC0_SDA12	100K2F-2-GP	1	R262
PU_BMC0_SCL13	100K2F-2-GP	1	R263
PU_BMC0_SDA13	100K2F-2-GP	1	R263
BMC_I2C_F_ALERT#	100K2F-2-GP	1	R443
BMC_I2C_F_ALERT#	100K2F-2-GP	1	R443
BMC_I2C_F_ALERT#	100K2F-2-GP	1	R443
BMC_I2C_F_ALERT#	100K2F-2-GP	1	R443



BMC SPI Flash



BMC SPI 2nd Flash

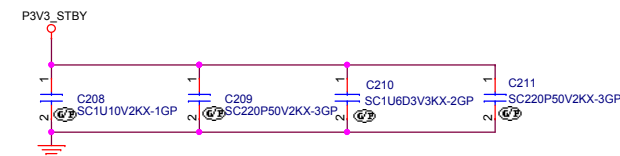
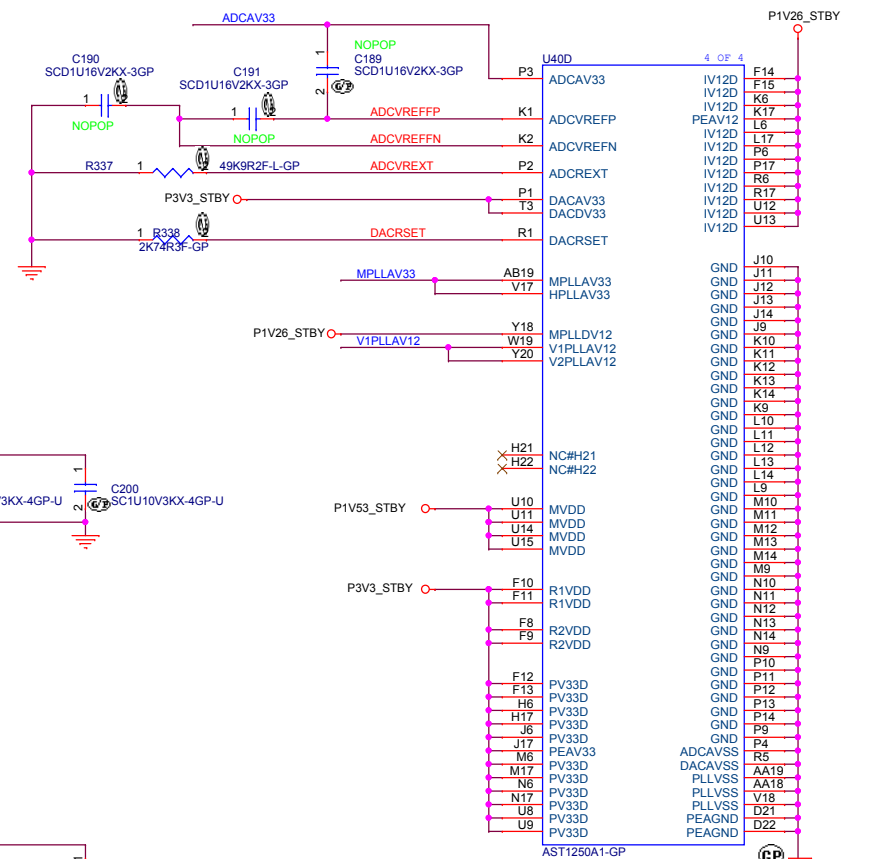
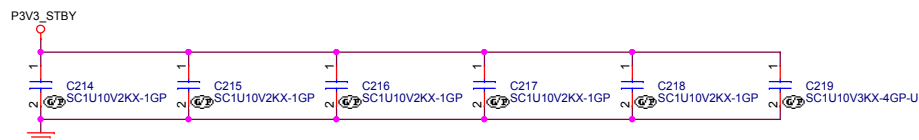
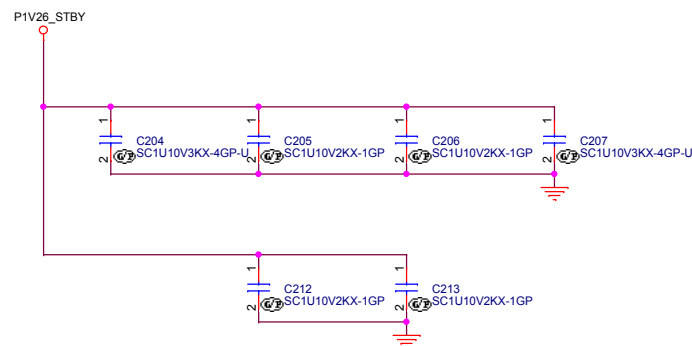
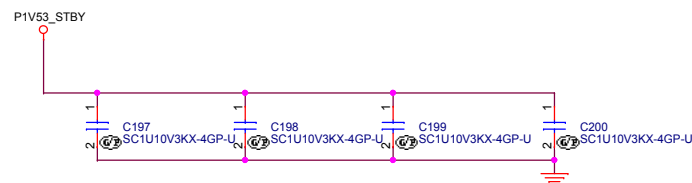
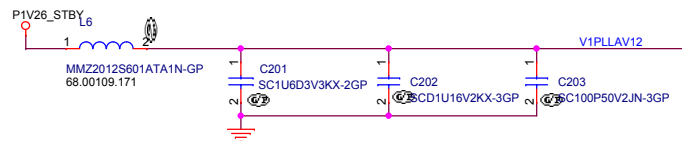
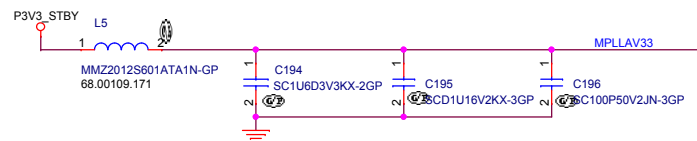
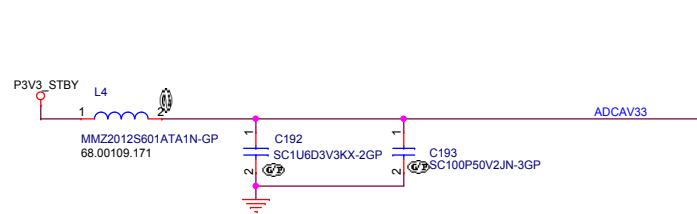


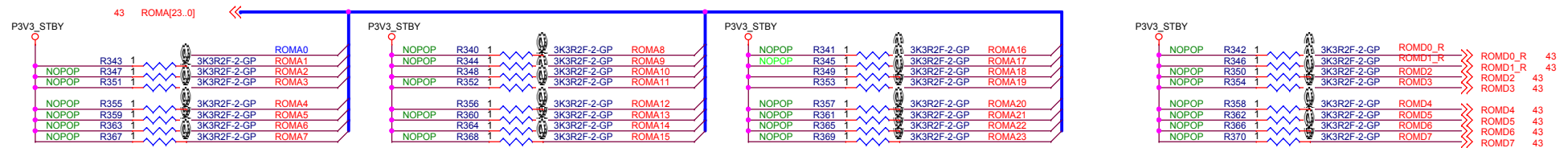
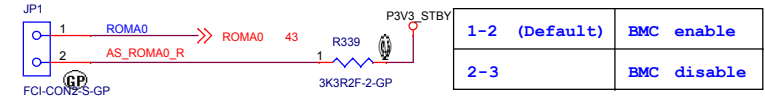
BMC Flash SKT

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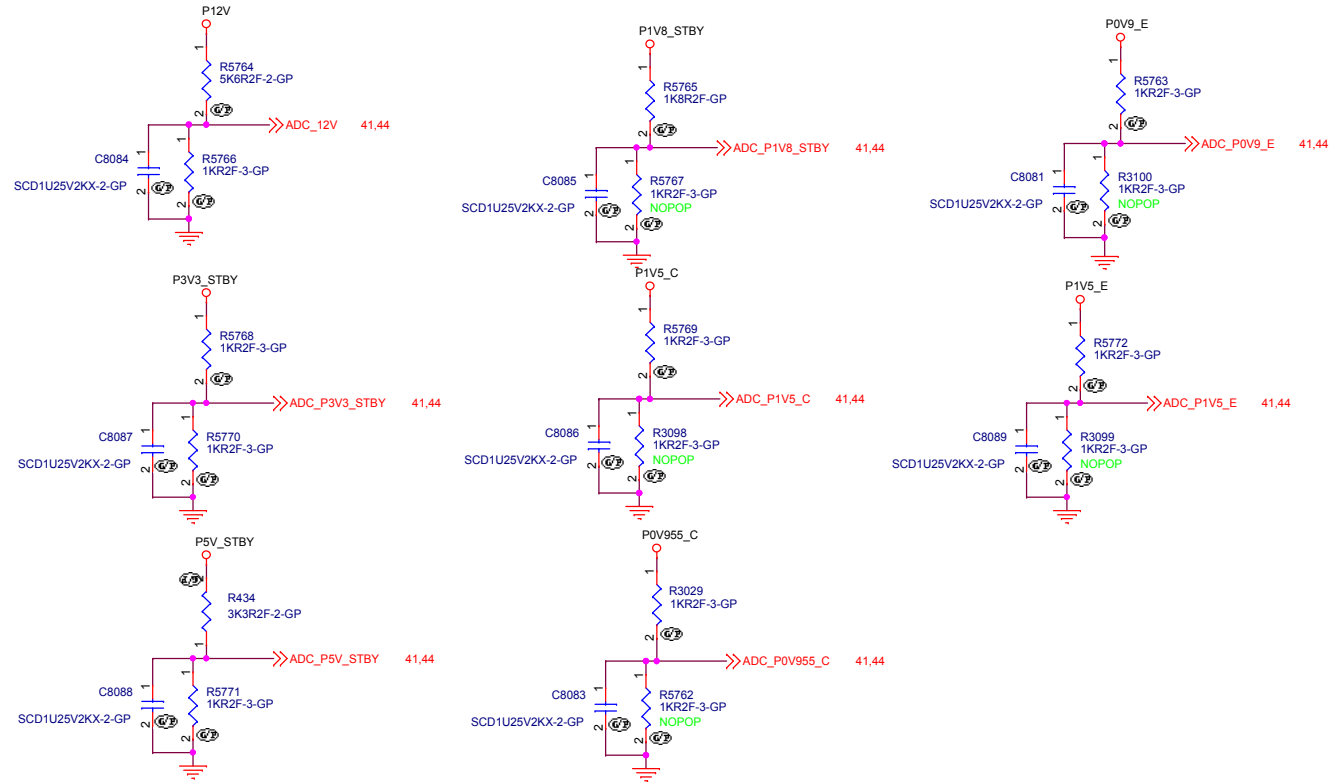
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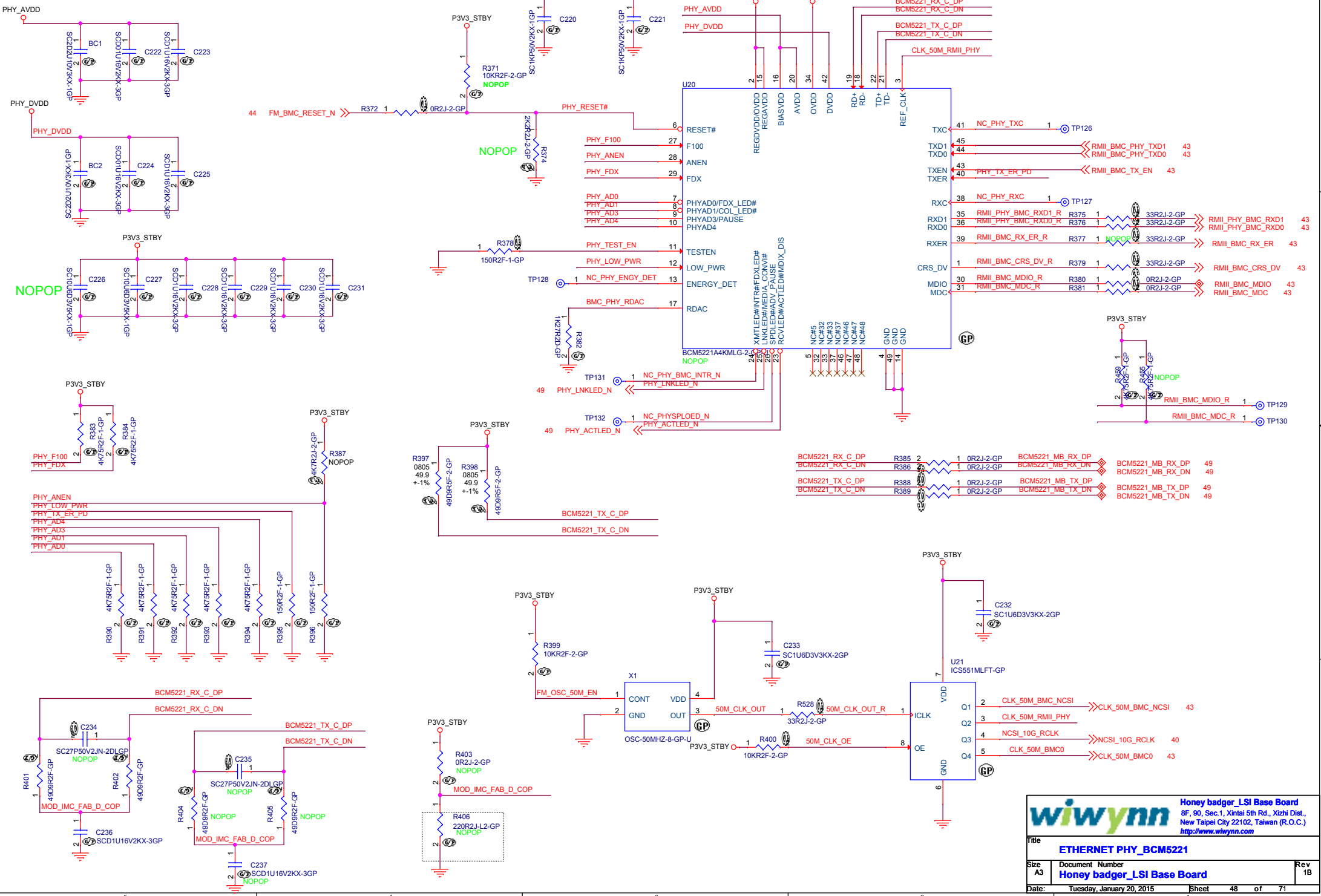


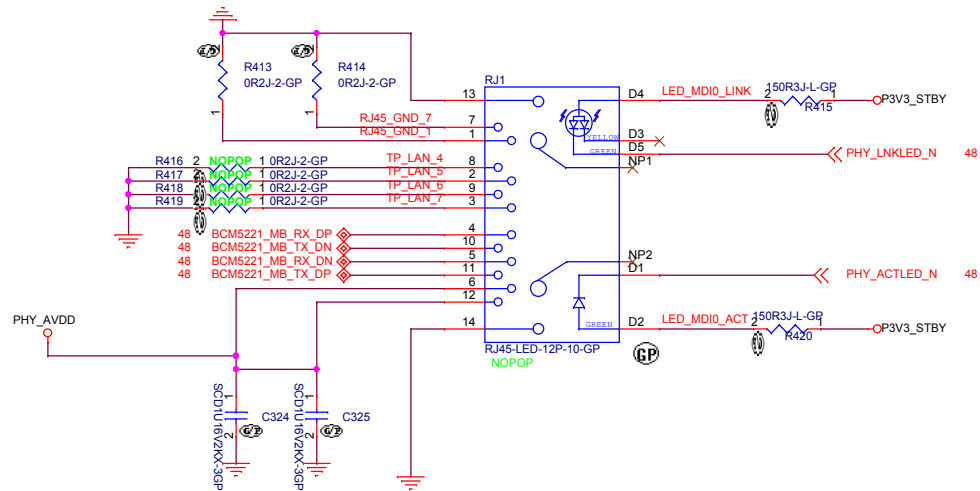


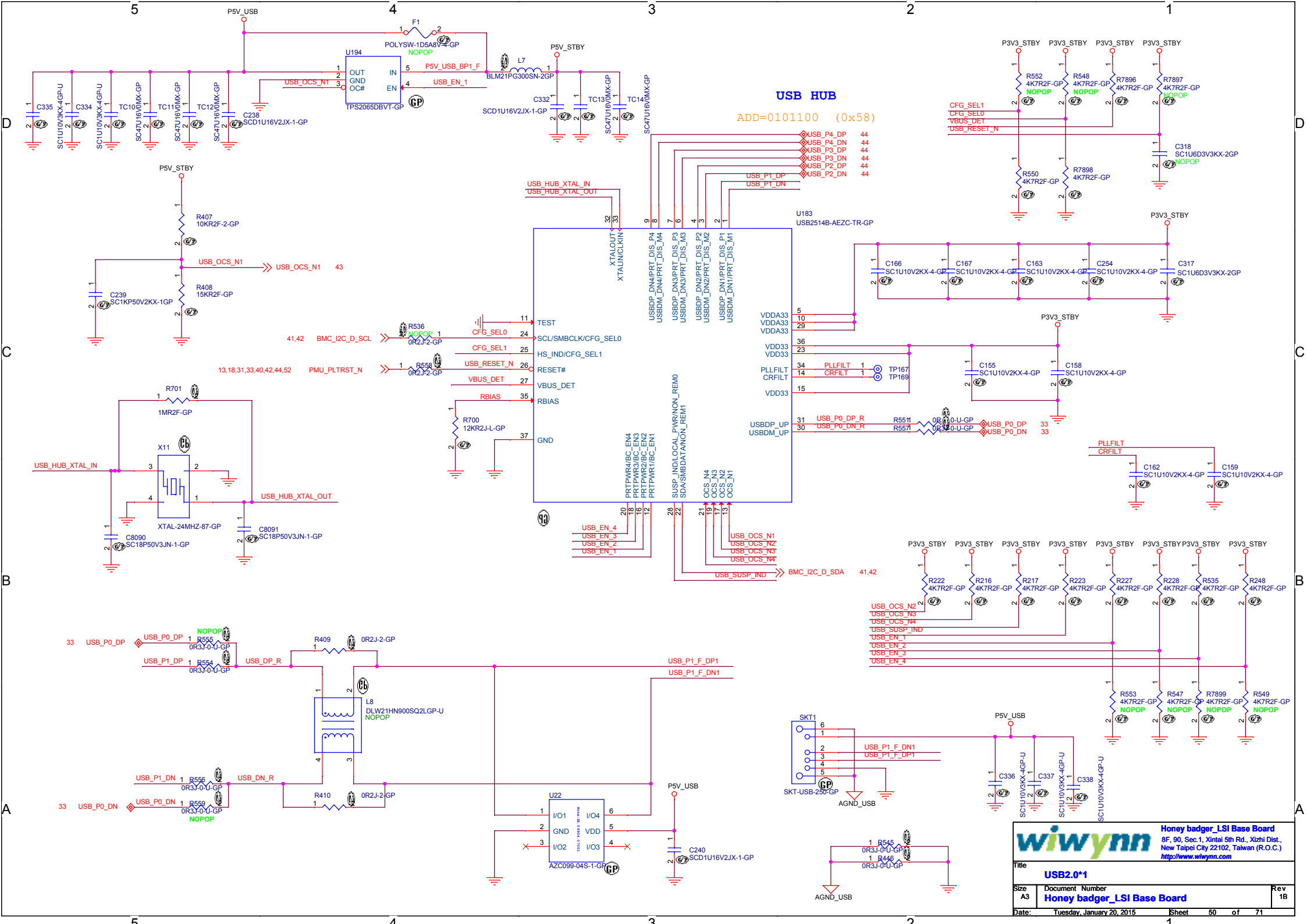
ADC Voltage Divider



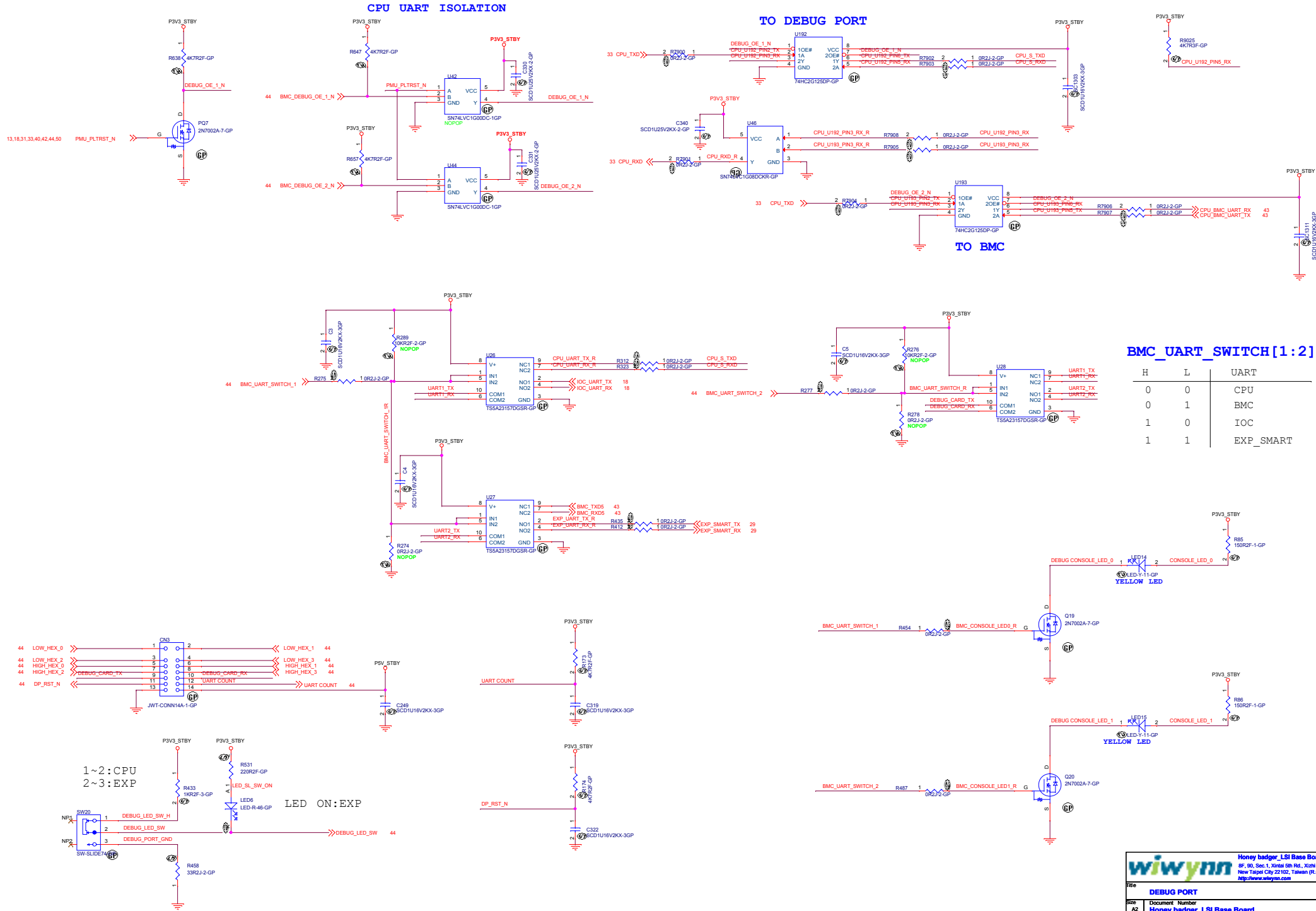
BCM5221 PHY

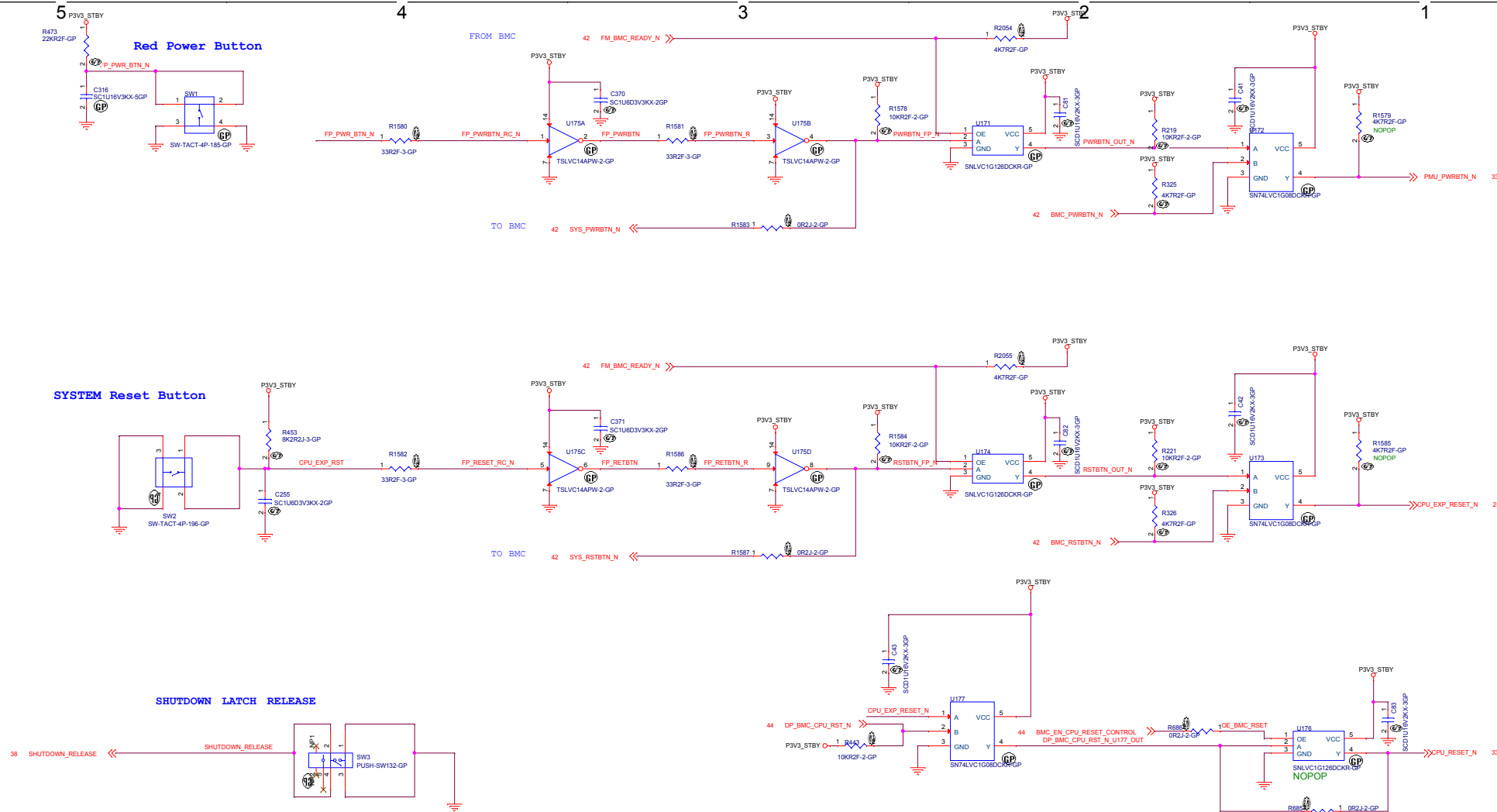




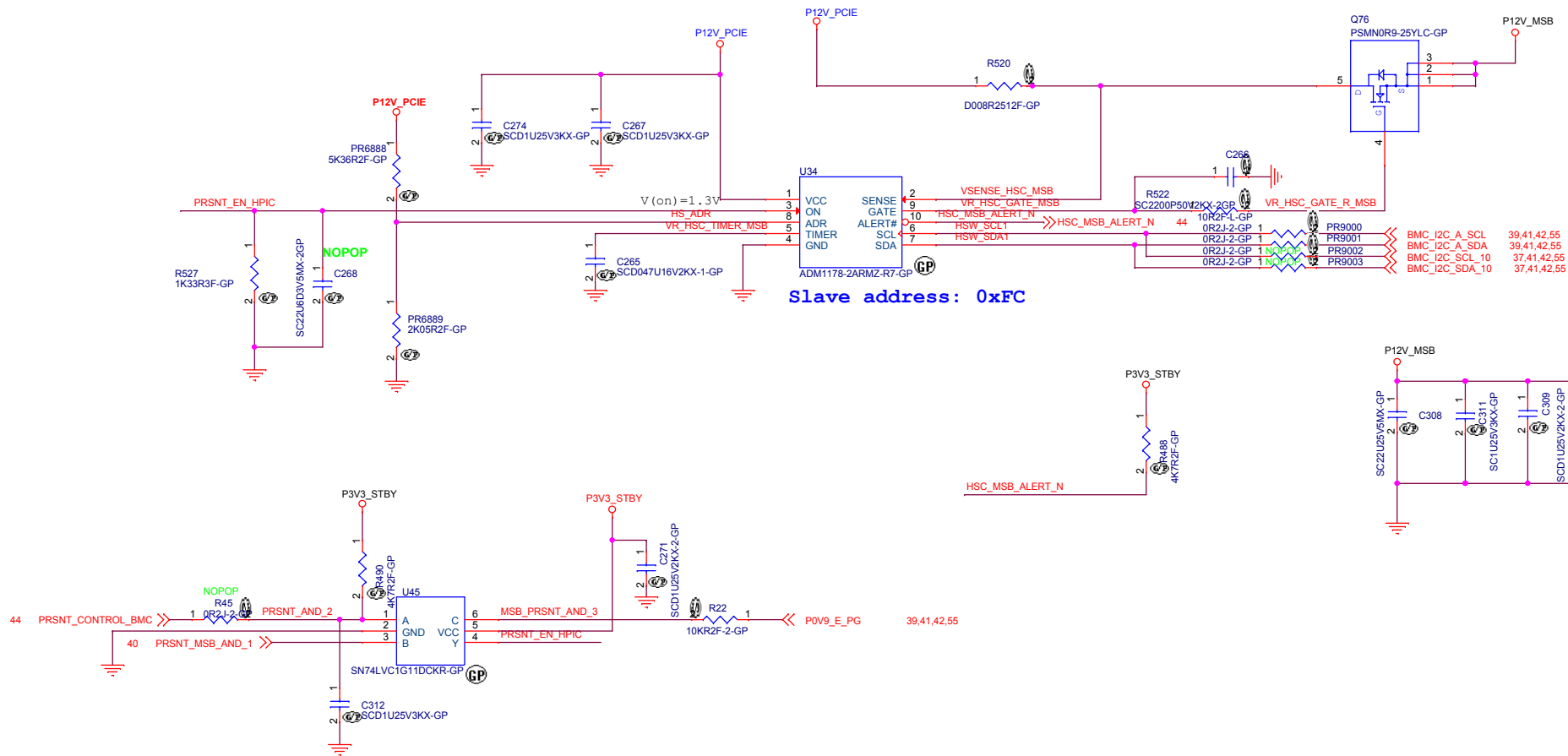


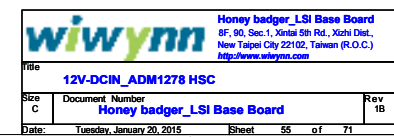
Debug Port





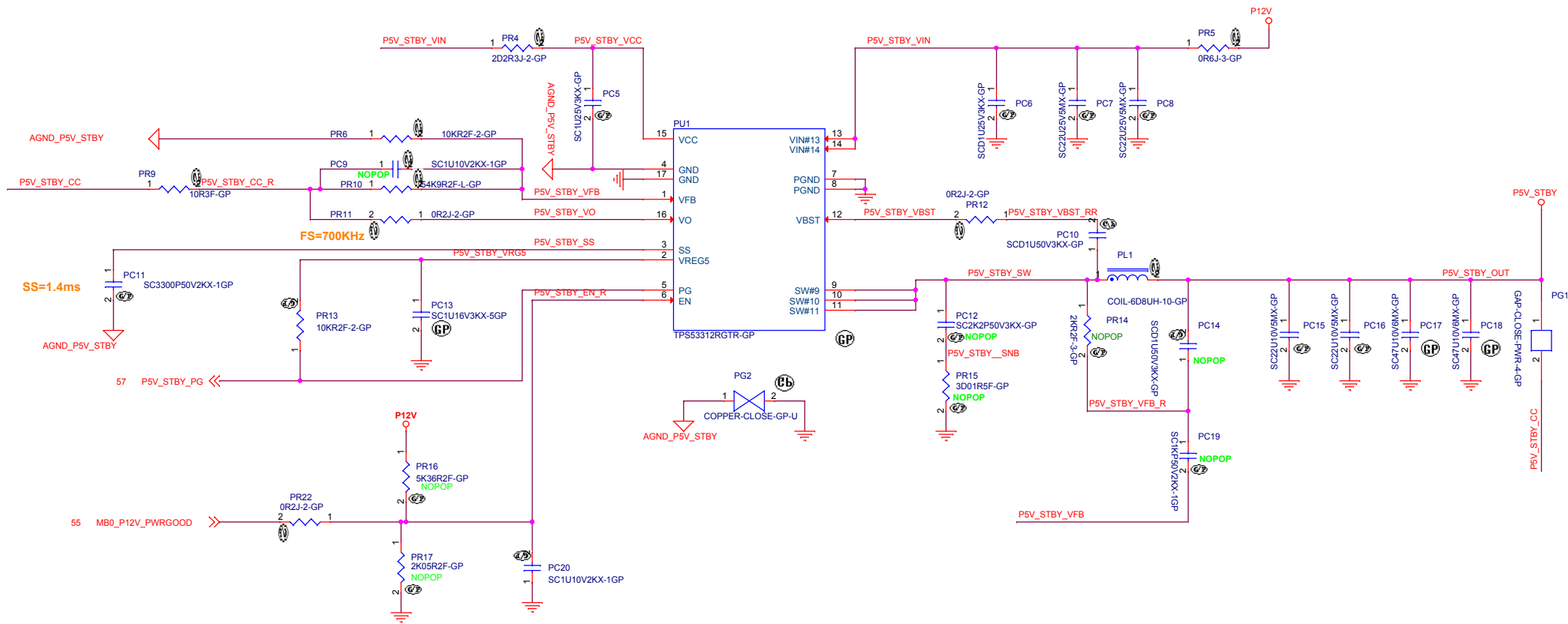
P12V STBY HSC
I2C Address = 0xFC



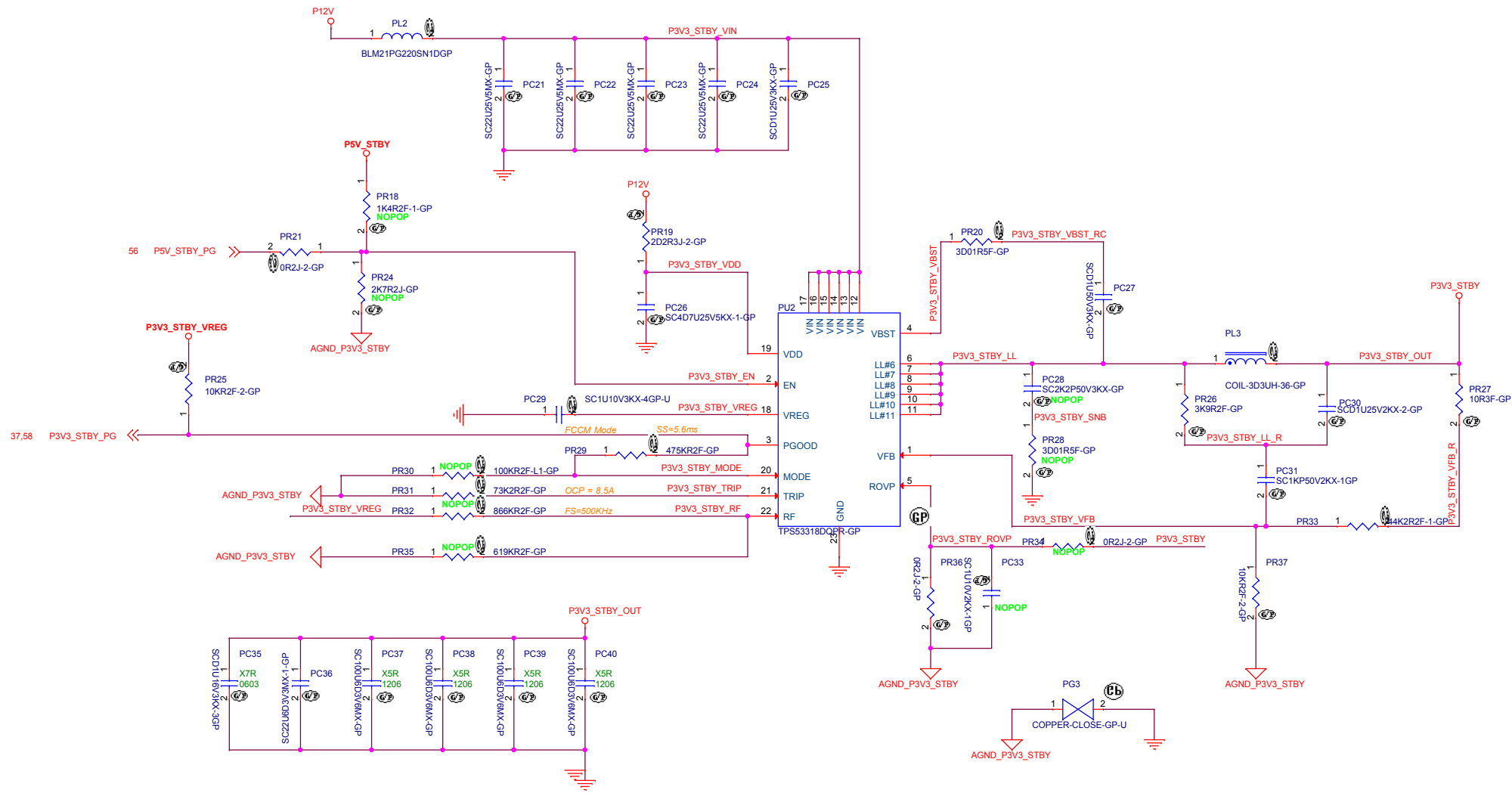


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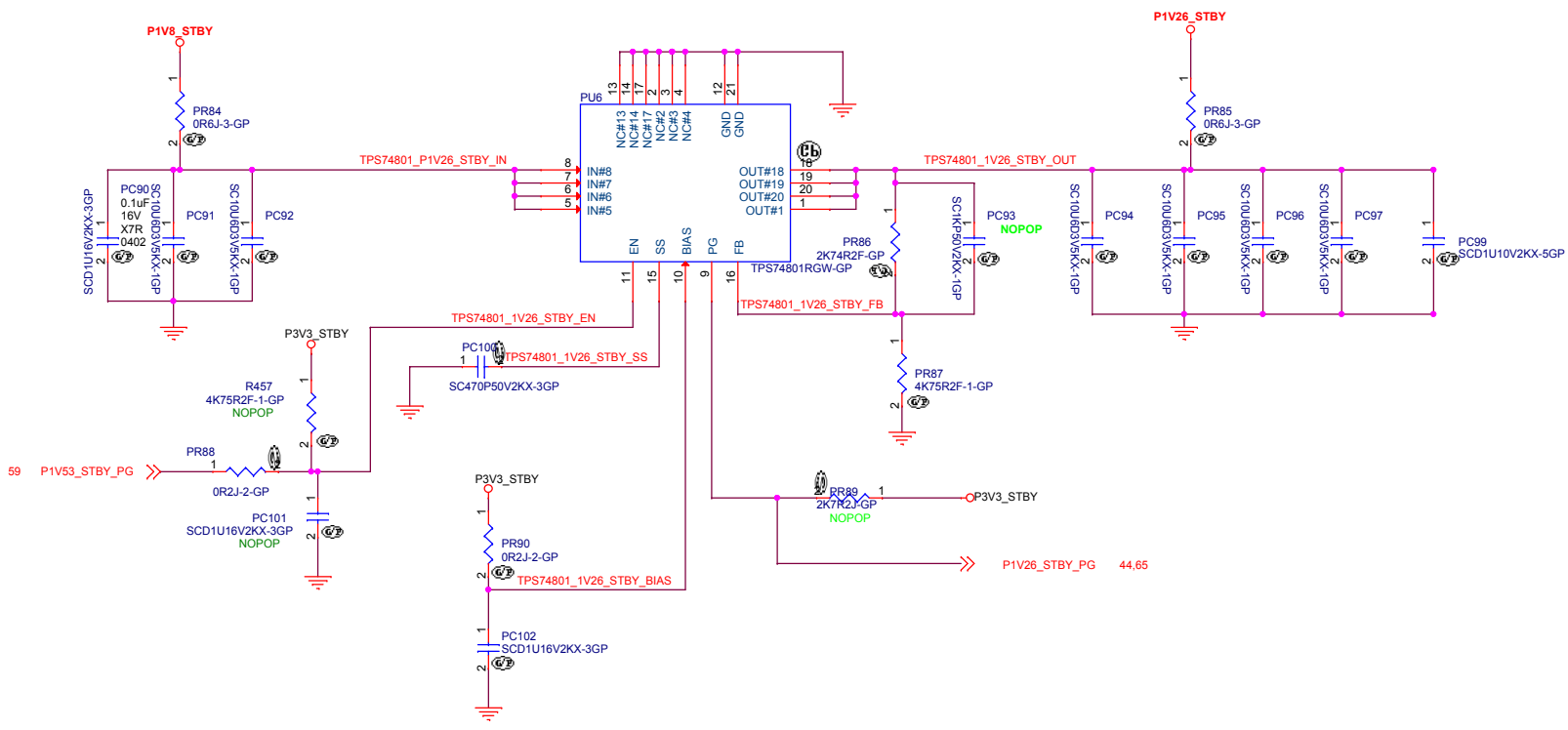


Power rail : P3V3_STBY(3.3V)
Controller : TPS53318 (Fswitching=500KHz)
TDC : 3.9A
MAX : 3.9A
OCP : 7A

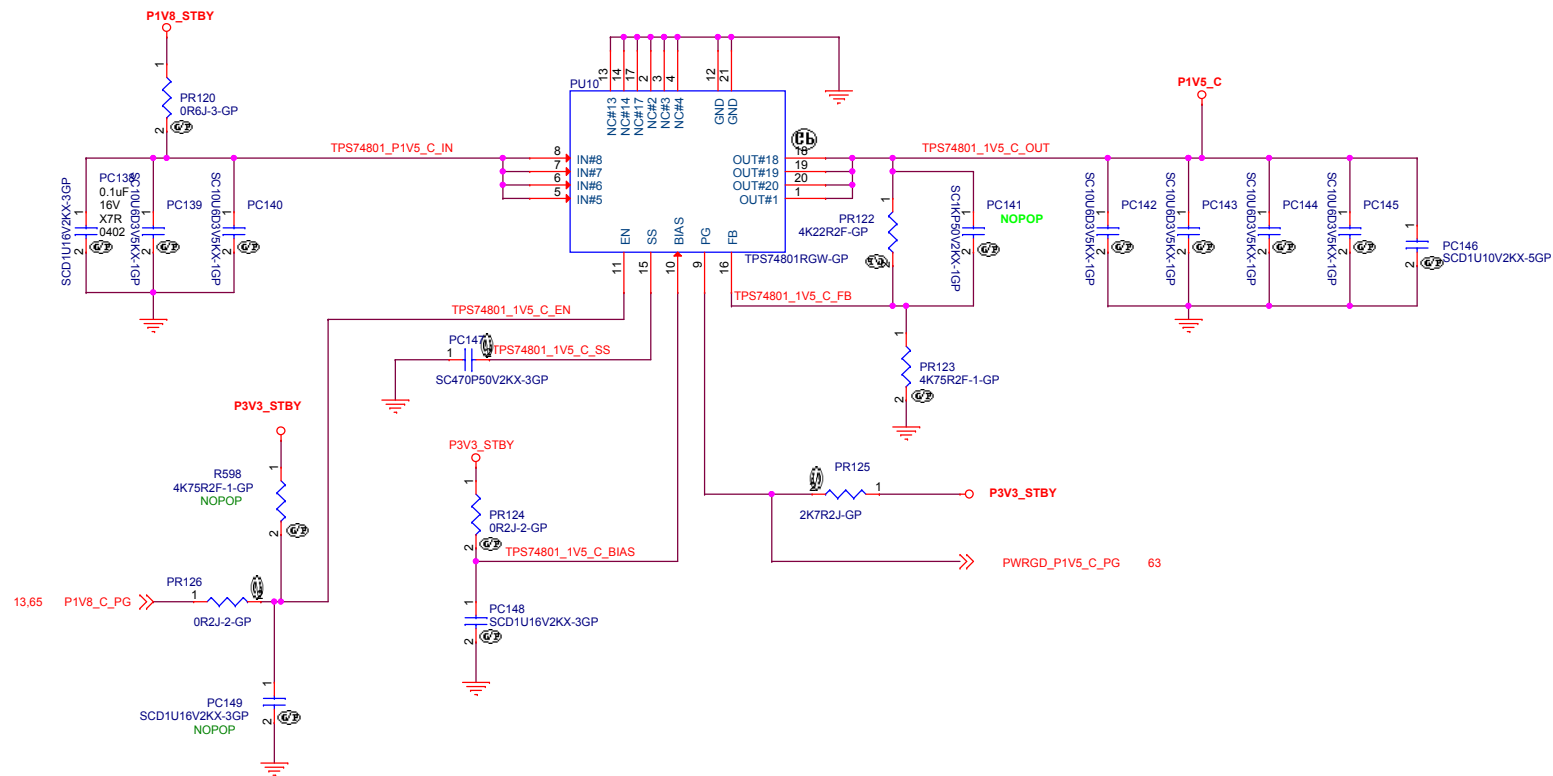


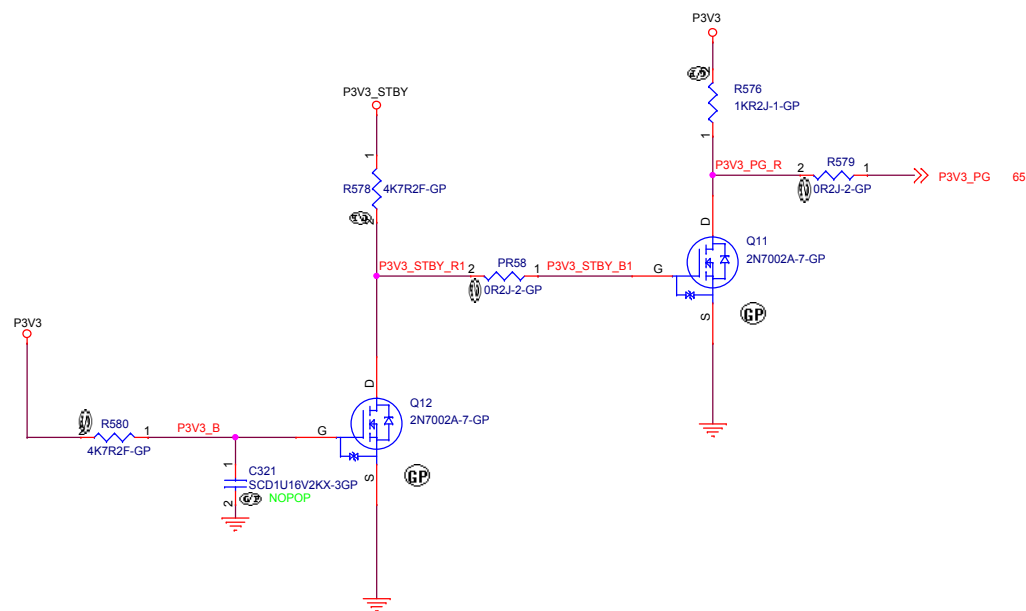
		Honey badger_LSI Base Board 8F, 90, Sec 1, Xintai 5th Rd., Xizhi Dist., New Taipei City 22102, Taiwan (R.O.C.) http://www.wiwynn.com	
		Title PWRLDO_P1V53_STBY_TPS74801	
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Power rail :P1V26_STBY(1.26V)
Controller :TPS74801
TDC :0.695A
Max :0.695A
OCP:2A

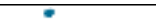


5
Power rail :P1V5_C(1.5V)
Controller :TPS74801
TDC :0.36A
Max :0.36A
OCP:2A

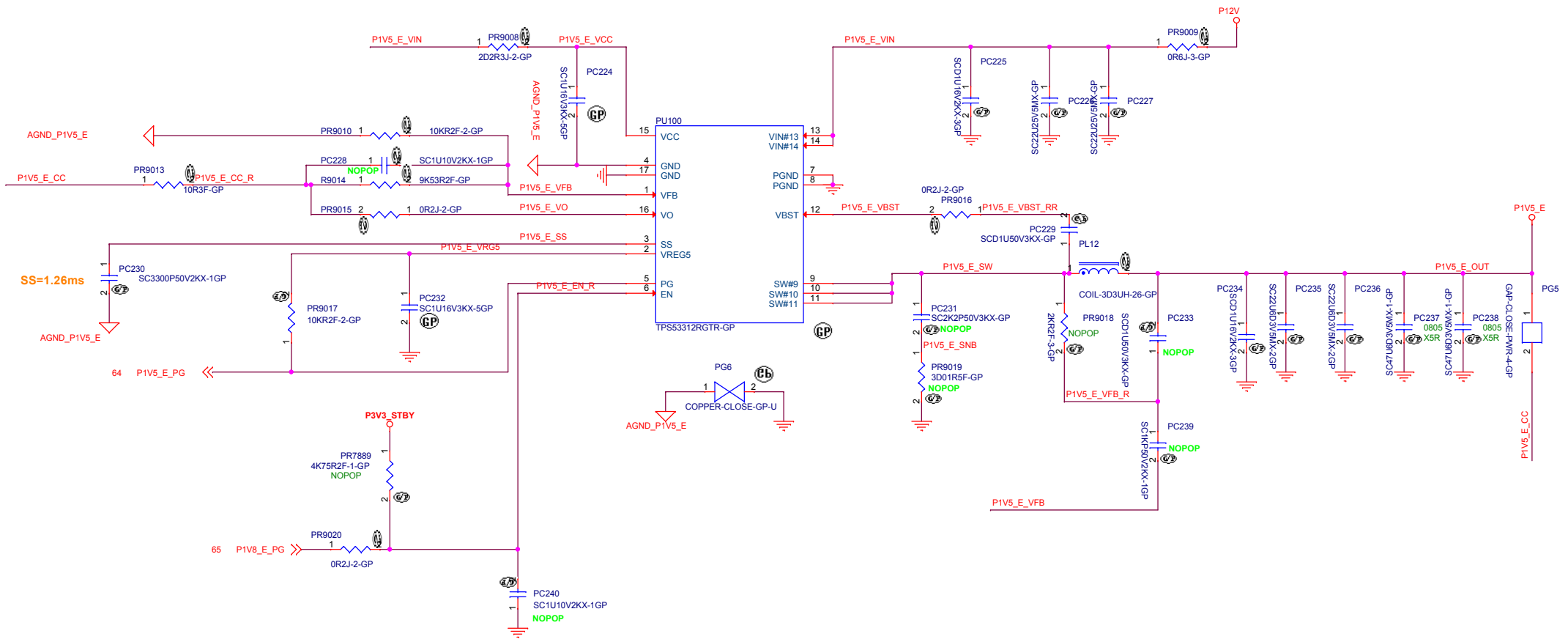




		Honey badger_LSI Base Board 8F, 90, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City 22102, Taiwan (R.O.C.) http://www.winyan.com	
Title PWRSW_P0V955_C_VT235WFQX			
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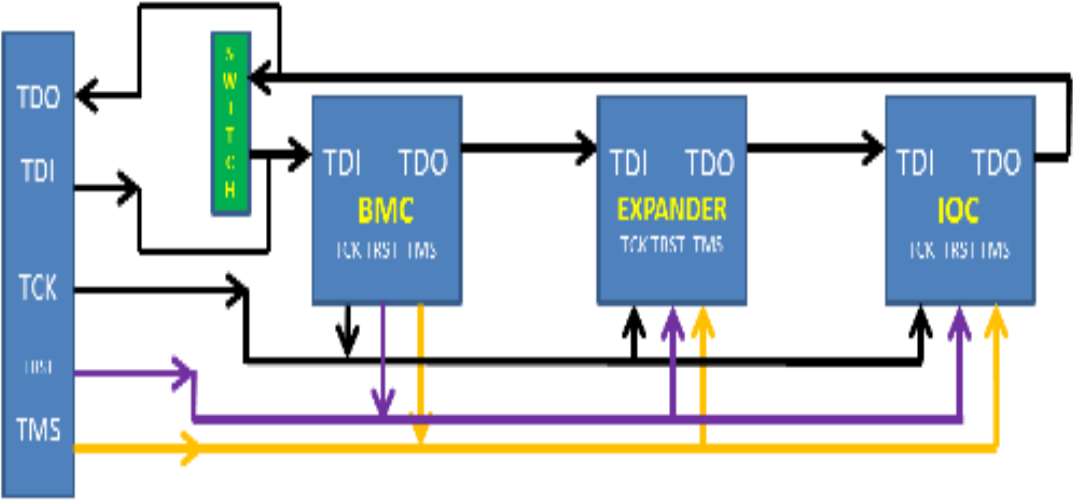
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Title		PWSRW_P0V9_E_TPS63355	
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Power rail :P1V5_E
Controller : TPS53312 (Fswitching=700KHz)
TDC :1.9A
MAX :3A
OCP :4.1A




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Baseboard JTAG Topology



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Title

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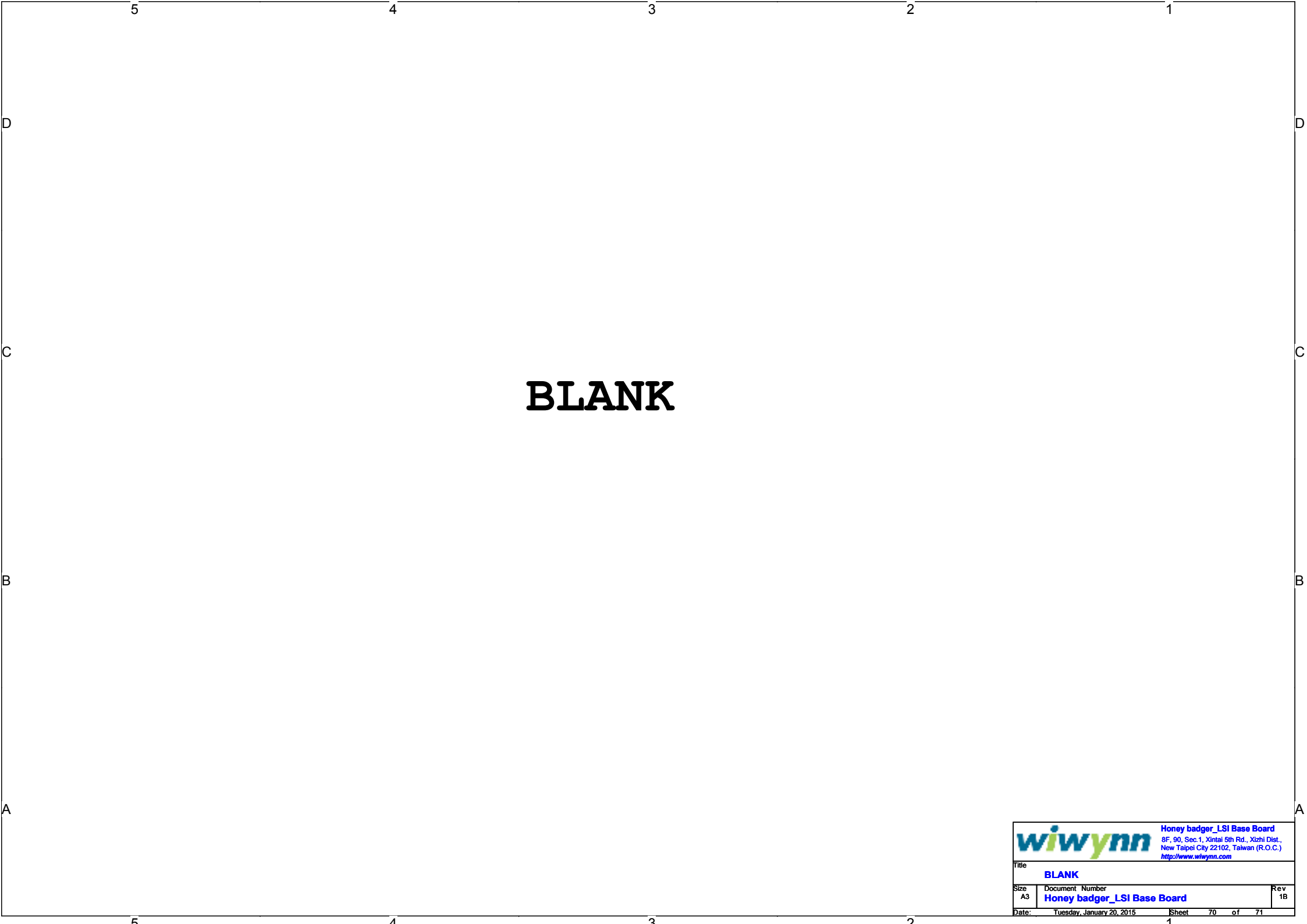
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