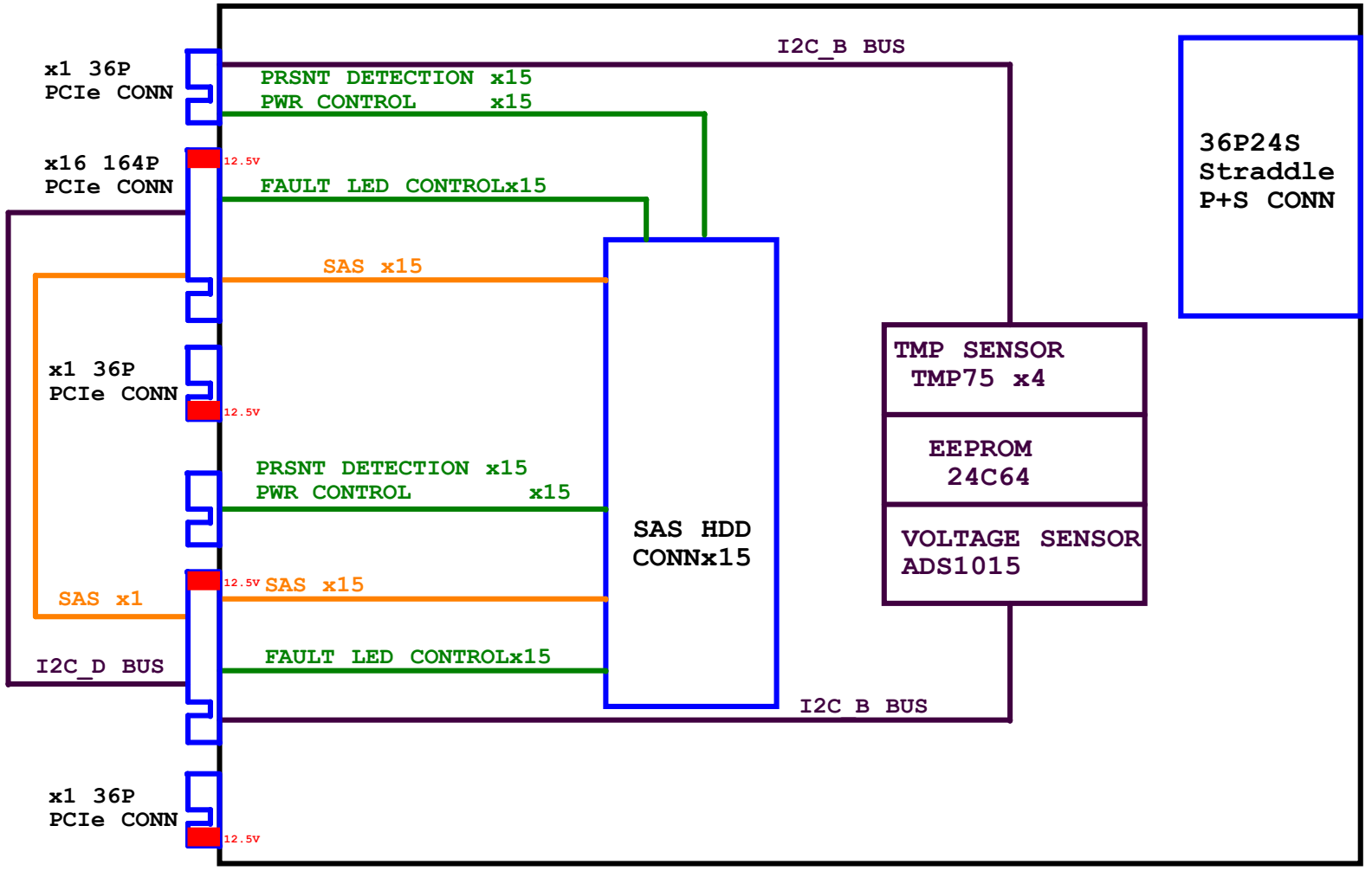
Block Diagram



PAGE01:Block diagram
PAGE02:Power Map
PAGE03:HDD CNs 0-1
PAGE04:HDD CNs 2-3
PAGE05:HDD CNs 4-5
PAGE06:HDD CNs 6-7
PAGE07:HDD CNs 8-9
PAGE08:HDD CNs 10-11
PAGE09:HDD CNs 12-13
PAGE10:HDD CNs 14
PAGE11:I2C_B DEVICES
PAGE12:PCIE SLOTS x16
PAGE13:PCIE SLOTS x1
PAGE14:STRADDLE CONN
PAGE15:P3V3_SY8201
PAGE16:P5VA for HDD 0-4
PAGE17:P5VB for HDD 5-9
PAGE18:P5VC for HDD 10-14
PAGE19:SCREWS
PAGE20:BLANK
PAGE21:BLANK

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Title: BLOCK DIAGRAM

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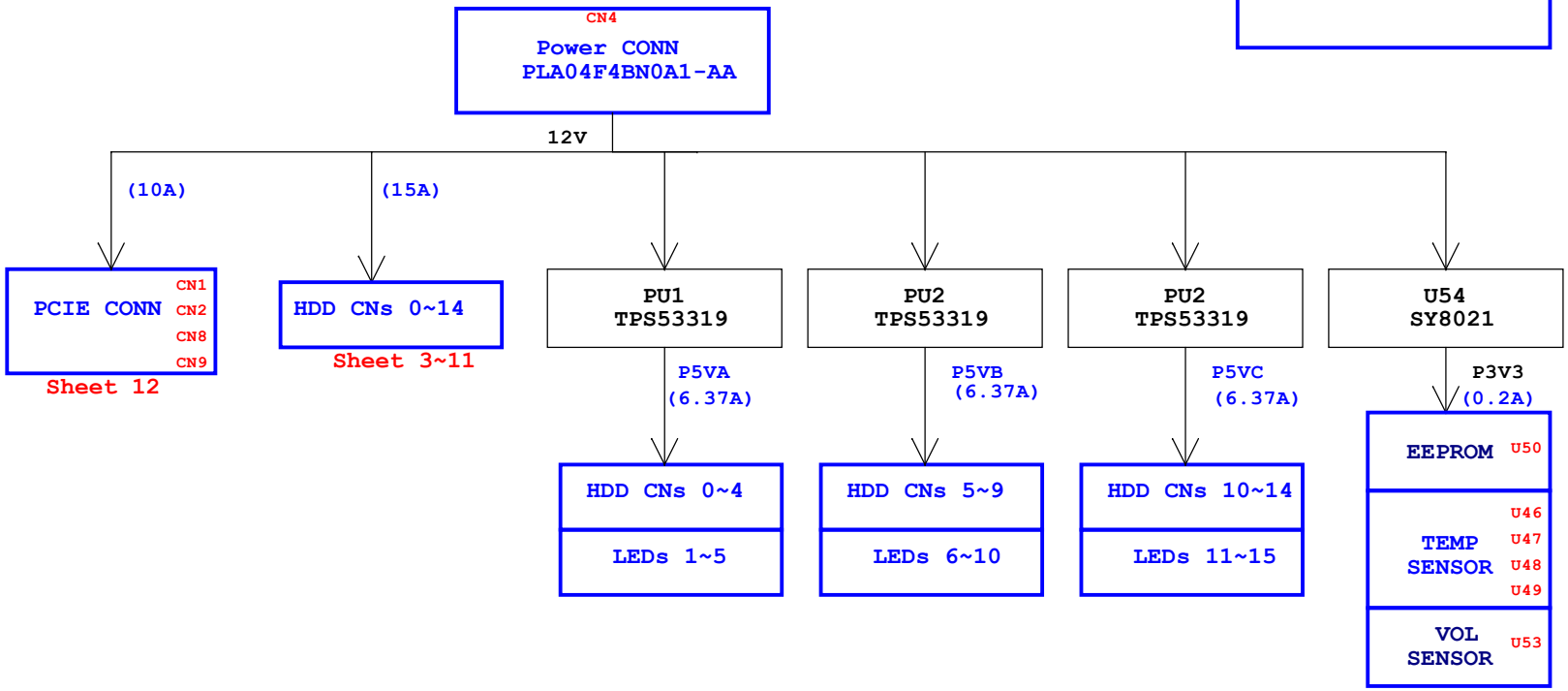
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DY=Dummy parts
=not populated

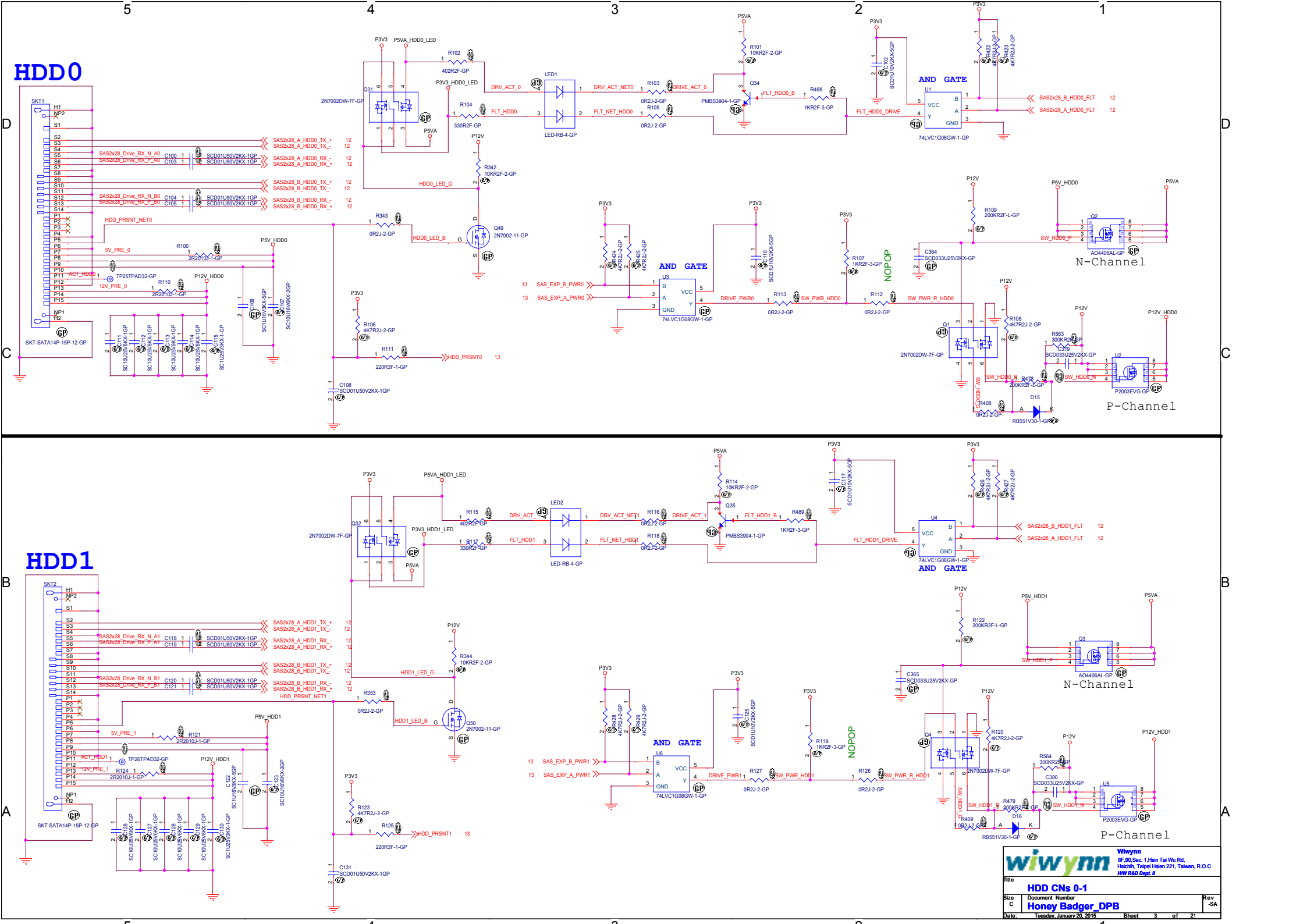
```
SCD1U10V2KX-5GP
D1U = 0.1uF (2D2U means 2.2uF)
10Voltage (6D3V means 6.3V)
2 = size 0402, K tolerance
K=tolerance
[C code as below:]
G=2%
J=5%
K=10%
M=20%
X=temp characteristics
[C Series/Temp]
N=NPO
X=X7R/X5R
Y=Y5V
-5=different symbol/customer
GP= Green Part (RoHS)
```

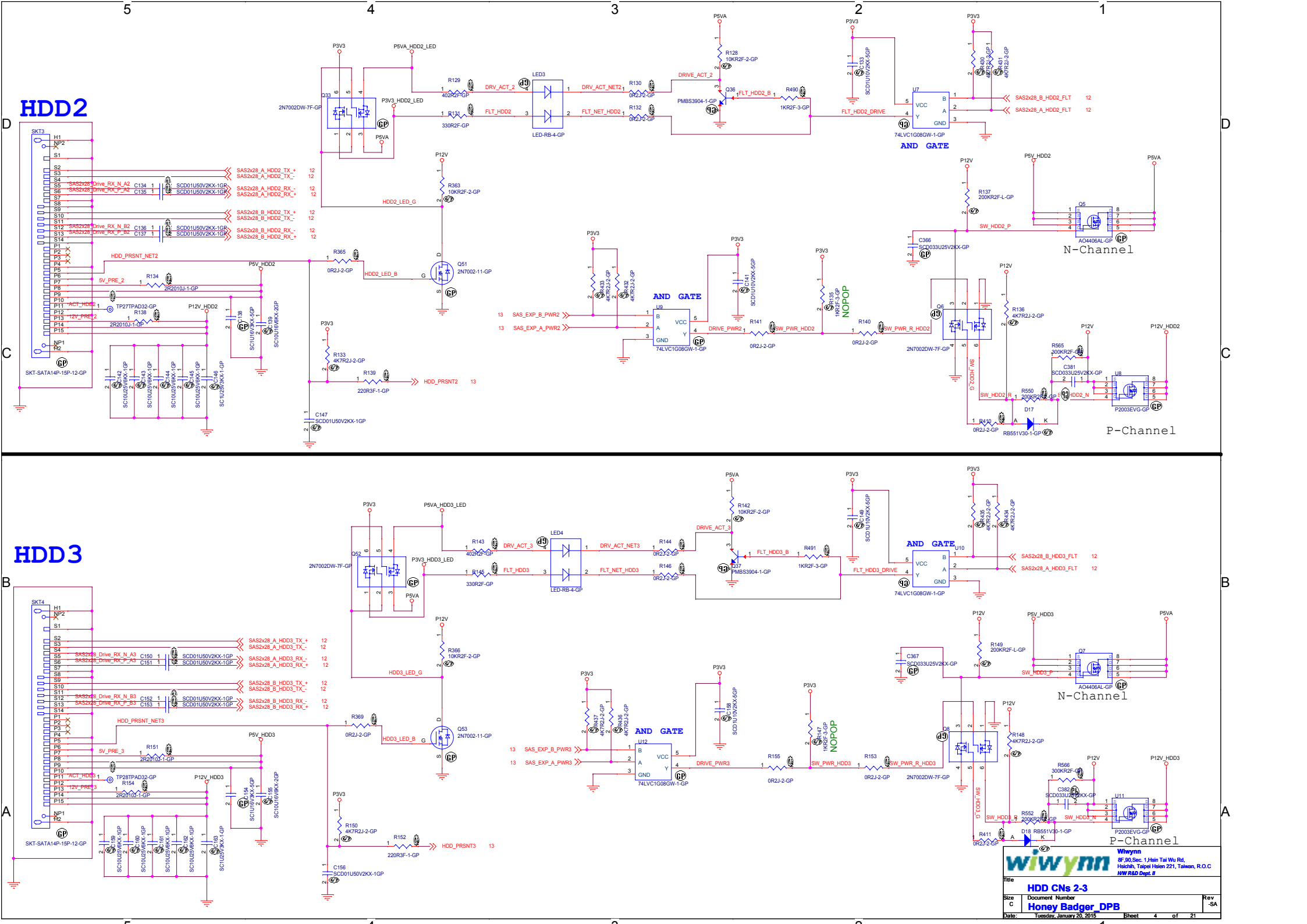
```
562R2F- GP
562 = 562 ohm, (2K2R means 2.2K ohm)
2 = size 0402
F = 1% tolerance
GP= Green Part (RoHS)
RC size code as below:
1 = 0201
2= 0402
3= 0603
5= 0805
6= 1206
R tolerance code as below:
D=0.5%
F= 1%
J= 5%
```

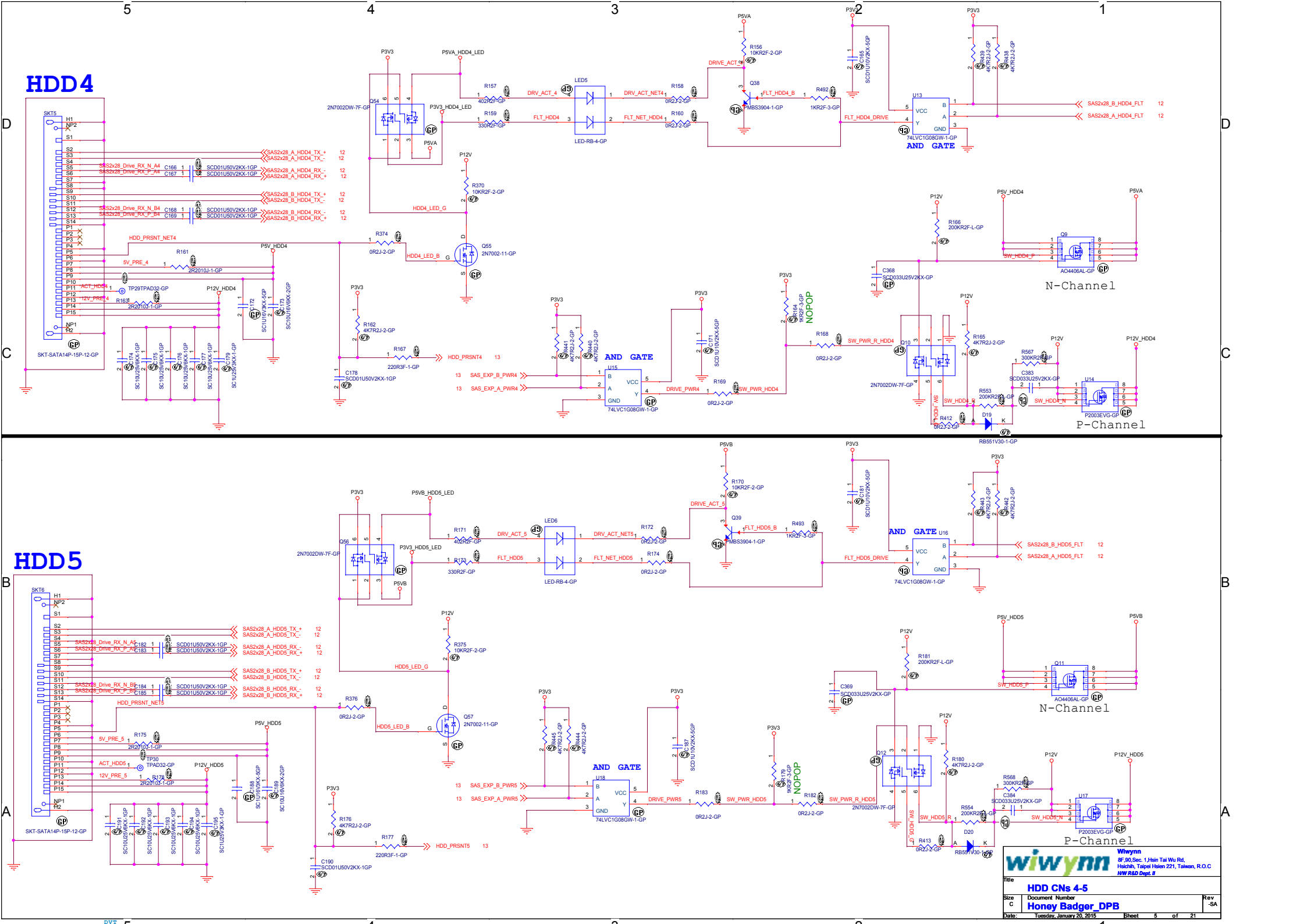
POWER MAP

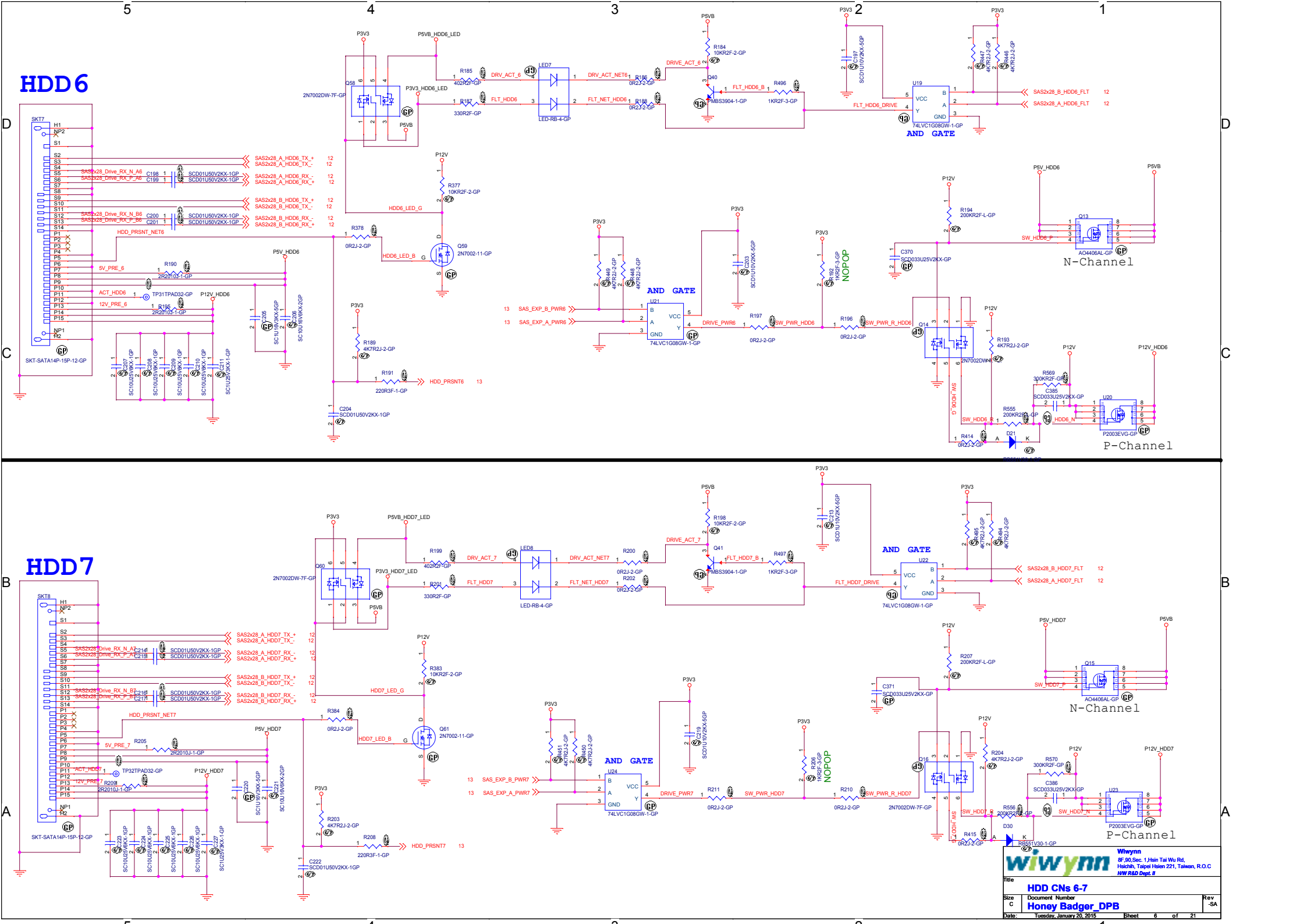


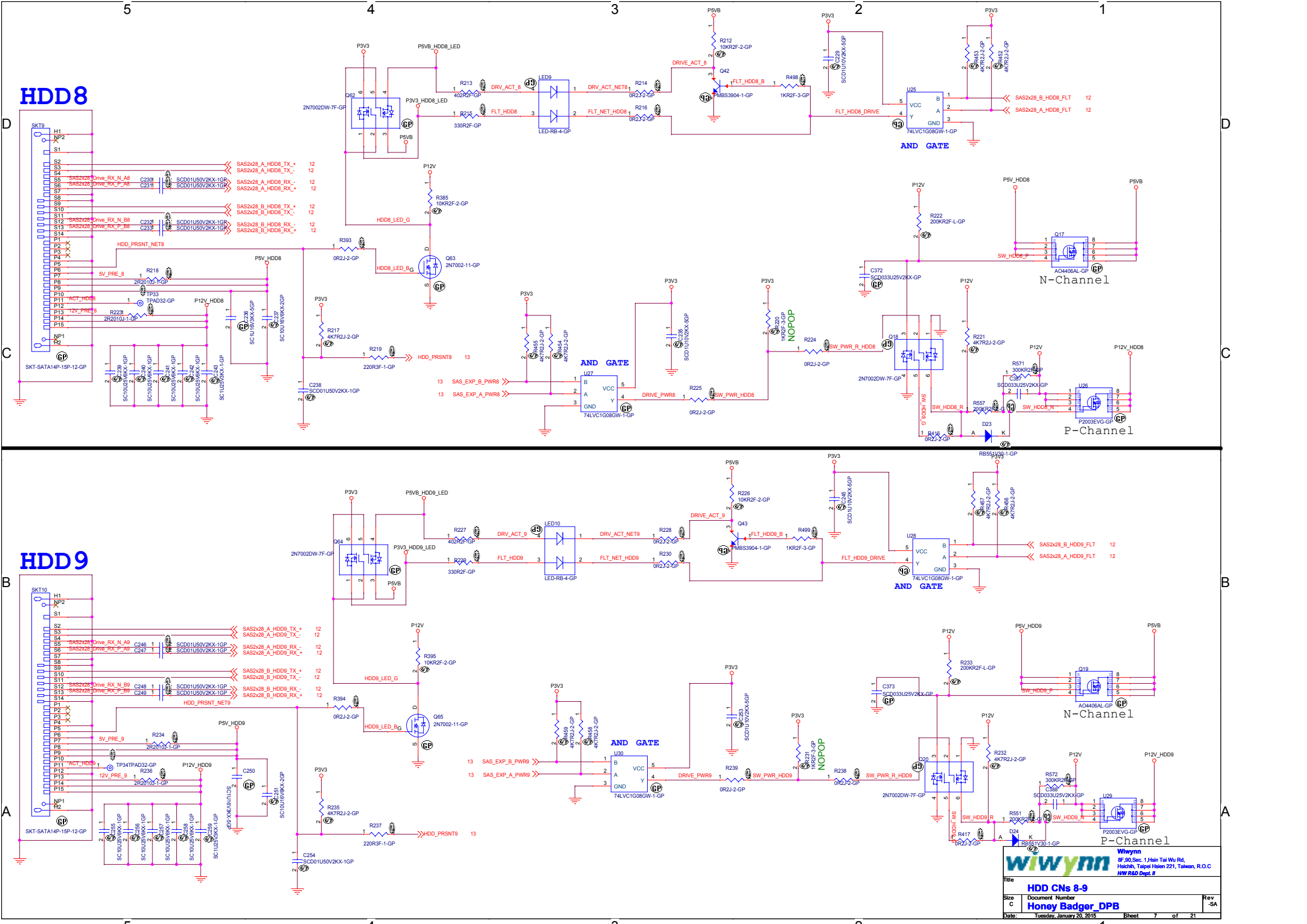
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	H/W R&D Dept. II	
Title: POWER MAP		
Size: A3	Document Number: Honey Badger_DPB	Rev: -SA
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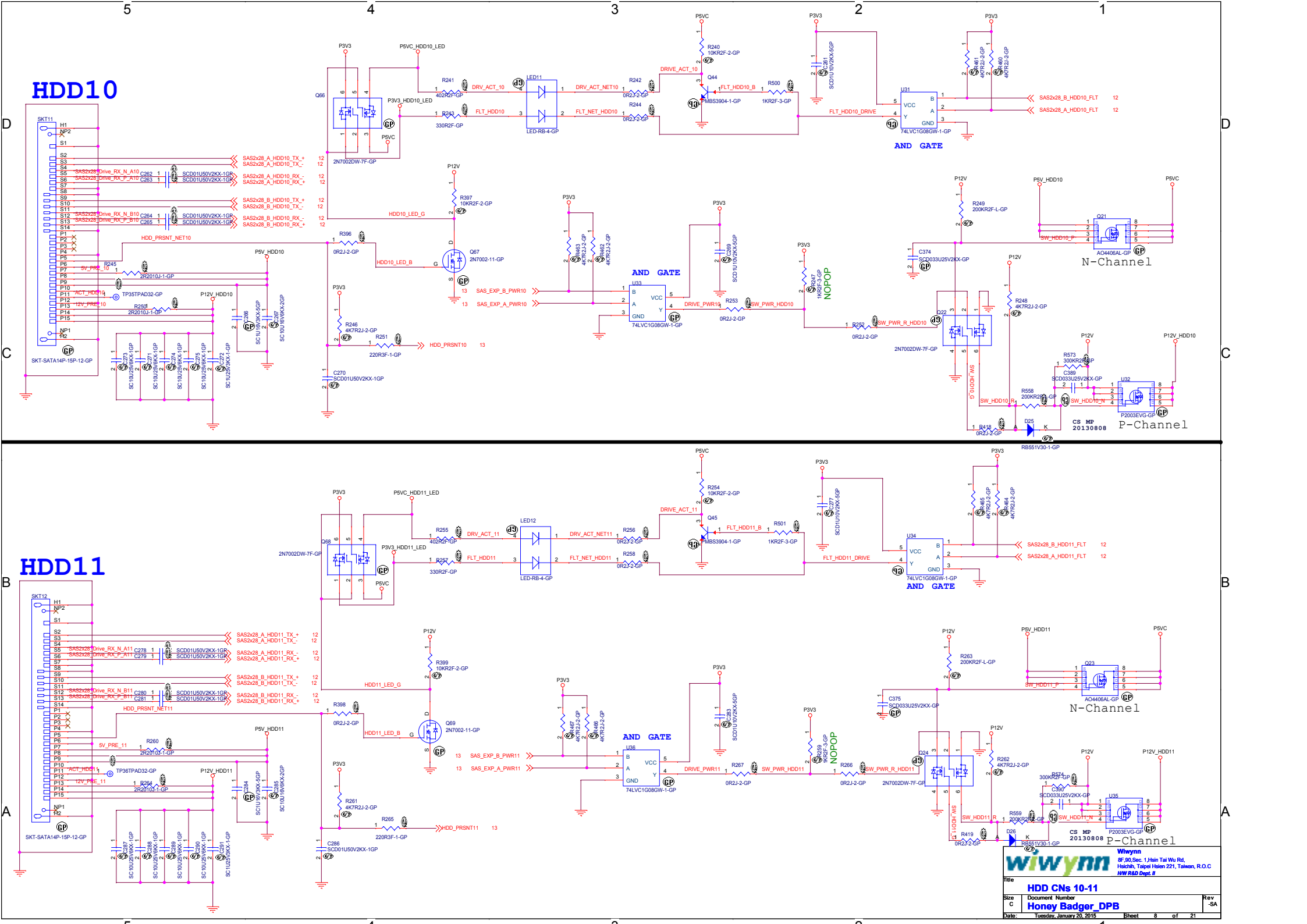

HDD0
HDD1
AND GATE
NOPOP
N-Channel
P-Channel
SKT-SATA14P-15P-12-GP
74LVC1G08GW-1-GP
2N7002DW-7F-GP
LED-RB-4-GP
PMBS3904-1-GP
AO4406AL-GP
P2003EVG-GP
RB551V30-1-GP
wiwynn
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HW R&D Dept. II
Title
HDD CNs 0-1
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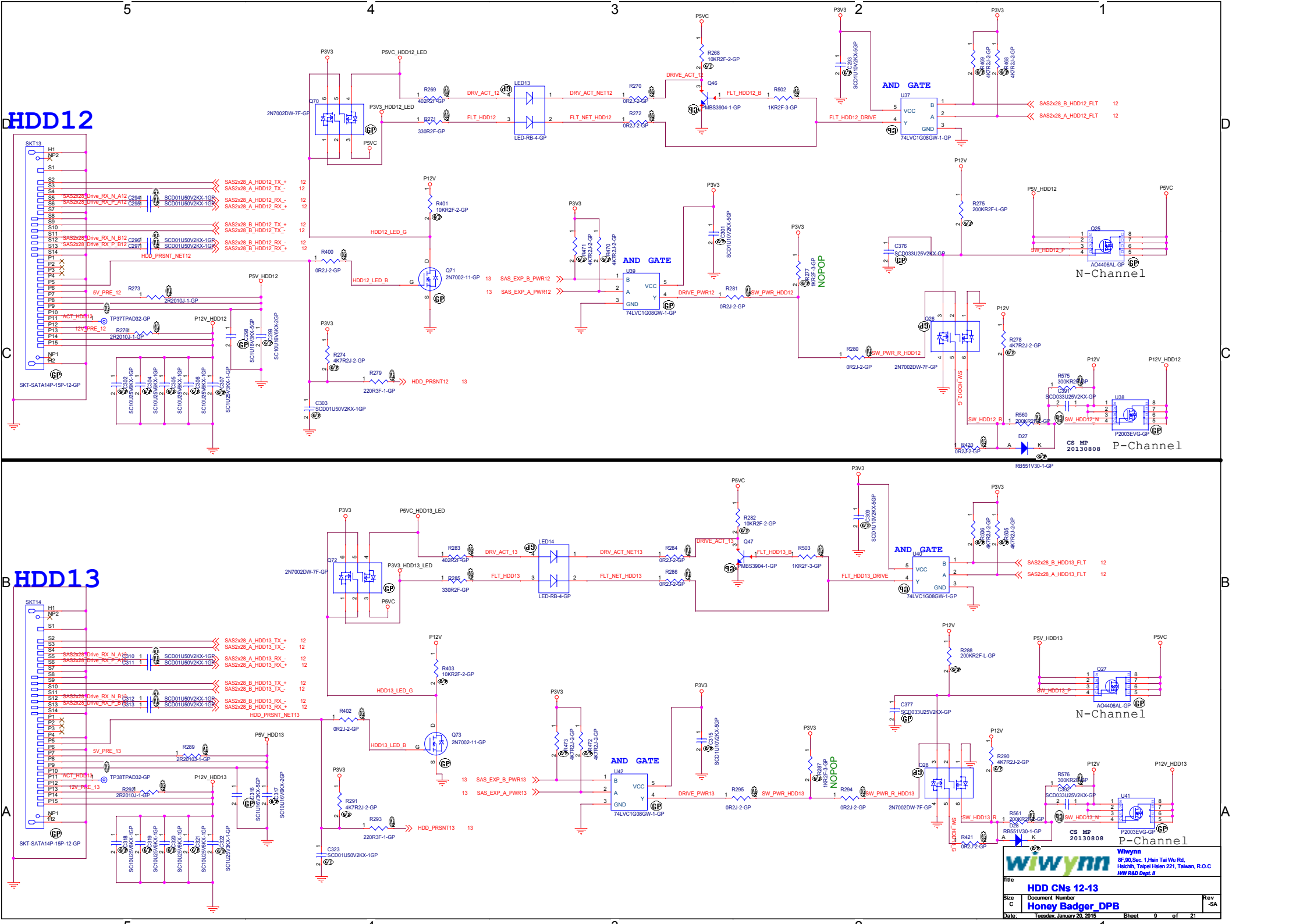

HDD2
HDD3
AND GATE
N-Channel
P-Channel
NOPOP
SKT-SATA14P-15P-12-GP
2N7002DW-7F-GP
LED-RB-4-GP
74LVC1G08GW-1-GP
AO4406AL-GP
P2003EVG-GP
RB551V30-1-GP
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Title
HDD CNs 2-3
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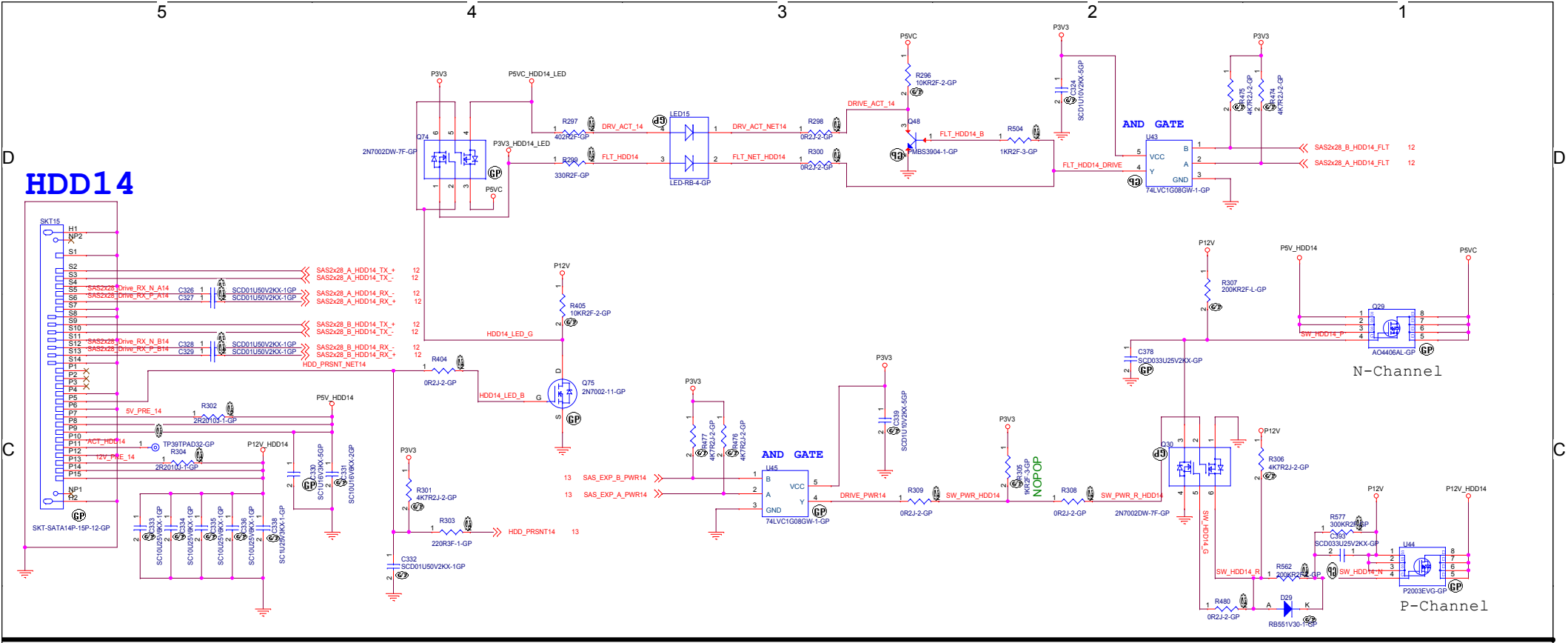

HDD4
SKT5
SKT-SATA14P-15P-12-GP
P3V3
P5VA_HDD4_LED
P3V3_HDD4_LED
P5VA
LED5
LED-RB-4-GP
2N7002DW-7F-GP
DRV_ACT_4
DRV_ACT_NET4
FLT_HDD4
FLT_NET_HDD4
DRIVE_ACT_4
FLT_HDD4_B
PMBS3904-1-GP
FLT_HDD4_DRIVE
U13
74LVC1G08GW-1-GP
AND GATE
SAS2x28_B_HDD4_FLT
SAS2x28_A_HDD4_FLT
P12V
HDD4_LED_G
HDD4_LED_B
Q55
2N7002-11-GP
HDD_PRSNT_NET4
P5V_HDD4
P12V_HDD4
5V_PRE_4
ACT_HDD4
12V_PRE_4
TP29TPAD32-GP
HDD_PRSNT4
SAS_EXP_B_PWR4
SAS_EXP_A_PWR4
U15
DRIVE_PWR4
SW_PWR_HDD4
SW_PWR_R_HDD4
NOPOP
Q10
2N7002DW-7F-GP
SW_HDD4_P
SW_HDD4_N
AO4406AL-GP
N-Channel
P2003EVG-GP
P-Channel
D19
RB551V30-1-GP
HDD5
SKT6
SKT-SATA14P-15P-12-GP
P5VB_HDD5_LED
P3V3_HDD5_LED
P5VB
LED6
LED-RB-4-GP
2N7002DW-7F-GP
DRV_ACT_5
DRV_ACT_NET5
FLT_HDD5
FLT_NET_HDD5
DRIVE_ACT_5
FLT_HDD5_B
PMBS3904-1-GP
FLT_HDD5_DRIVE
U16
74LVC1G08GW-1-GP
AND GATE
SAS2x28_B_HDD5_FLT
SAS2x28_A_HDD5_FLT
HDD5_LED_G
HDD5_LED_B
Q57
2N7002-11-GP
HDD_PRSNT_NET5
P5V_HDD5
P12V_HDD5
5V_PRE_5
ACT_HDD5
12V_PRE_5
TP30
TPAD32-GP
HDD_PRSNT5
SAS_EXP_B_PWR5
SAS_EXP_A_PWR5
U18
DRIVE_PWR5
SW_PWR_HDD5
SW_PWR_R_HDD5
NOPOP
Q11
2N7002DW-7F-GP
SW_HDD5_P
SW_HDD5_N
AO4406AL-GP
N-Channel
P2003EVG-GP
P-Channel
D20
RB551V30-1-GP
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HW R&D Dept. II
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21


HDD6
HDD7
AND GATE
NOPOP
N-Channel
P-Channel
SKT7
SKT8
SKT-SATA14P-15P-12-GP
74LVC1G08GW-1-GP
2N7002DW-7F-GP
AO4406AL-GP
P2003EVG-GP
LED-RB-4-GP
TP31TPAD32-GP
TP32TPAD32-GP
RB551V30-1-GP
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HW R&D Dept. II
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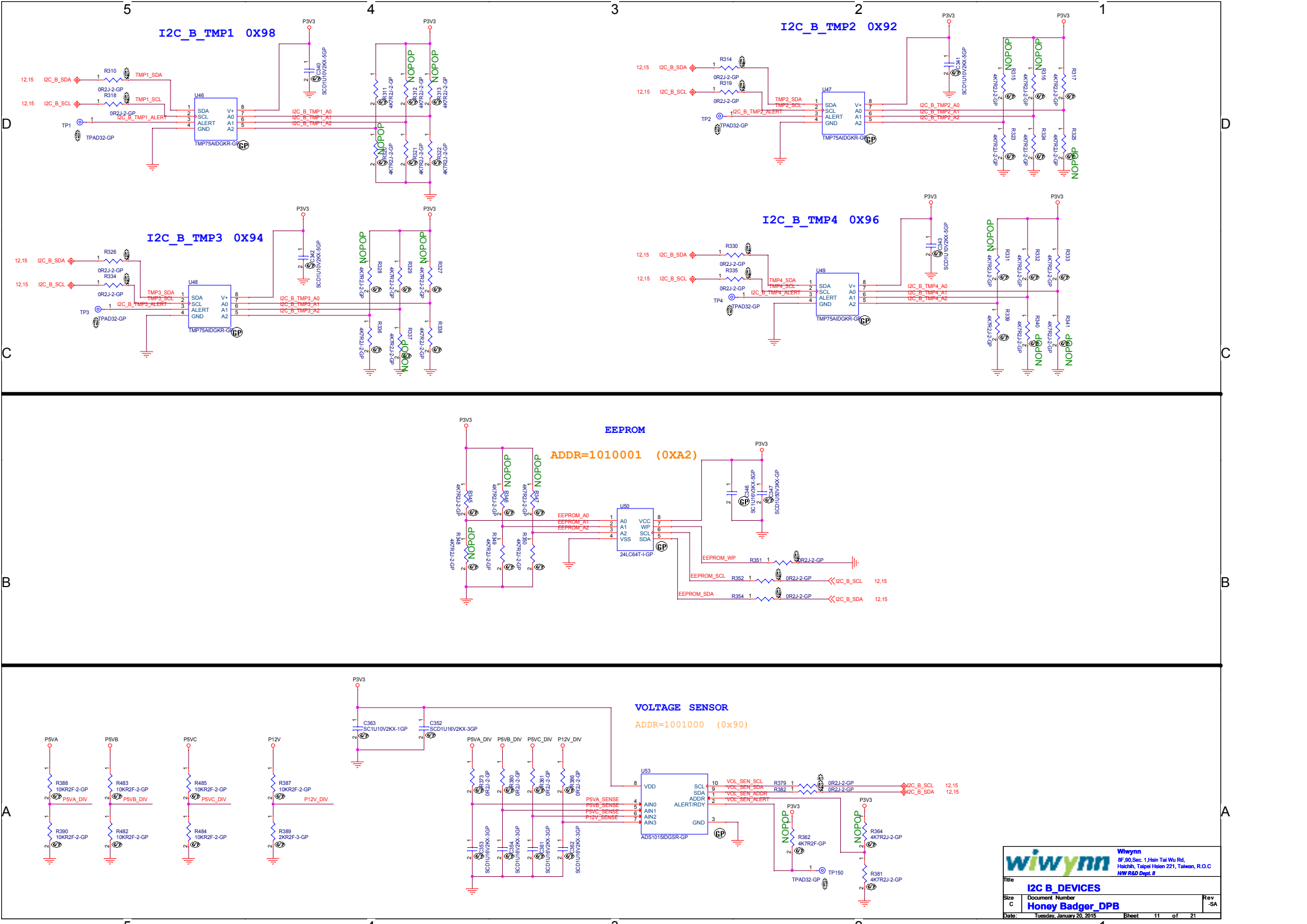

HDD8
HDD9
AND GATE
N-Channel
P-Channel
NOPOP
SKT-SATA14P-15P-12-GP
SKT9
SKT10
2N7002DW-7F-GP
LED-RB-4-GP
74LVC1G08GW-1-GP
AO4406AL-GP
P2003EVG-GP
RB551V30-1-GP
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HDD CNs 8-9
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HDD10
HDD11
AND GATE
N-Channel
P-Channel
NOPOP
SKT-SATA14P-15P-12-GP
74LVC1G08GW-1-GP
2N7002DW-7F-GP
AO4406AL-GP
P2003EVG-GP
RB551V30-1-GP
LED-RB-4-GP
CS MP
20130808
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HDD CNs 10-11
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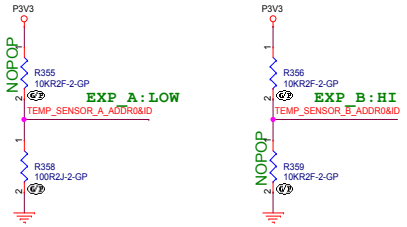

HDD12
HDD13
AND GATE
NOPOP
N-Channel
P-Channel
CS MP
20130808
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HW R&D Dept. II
Title
HDD CNs 12-13
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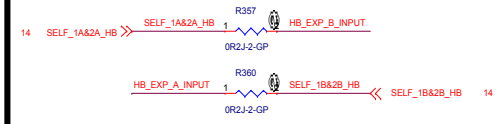
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HW R&D Dept. II			
Title	HDD CNs 14		
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I2C_B_TMP1 0X98
I2C_B_TMP2 0X92
I2C_B_TMP3 0X94
I2C_B_TMP4 0X96
EEPROM
ADDR=1010001 (0XA2)
VOLTAGE SENSOR
ADDR=1001000 (0x90)
TMP75AIDGKR-GP
24LC64T-I-GP
ADS1015IDGSR-GP
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HW R&D Dept. II
I2C B_DEVICES
Honey Badger_DPB
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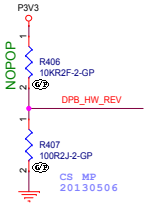
EXPA/B ID setting



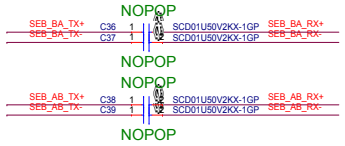
EXPA/B HB SWAP



DPB H/W REV setting

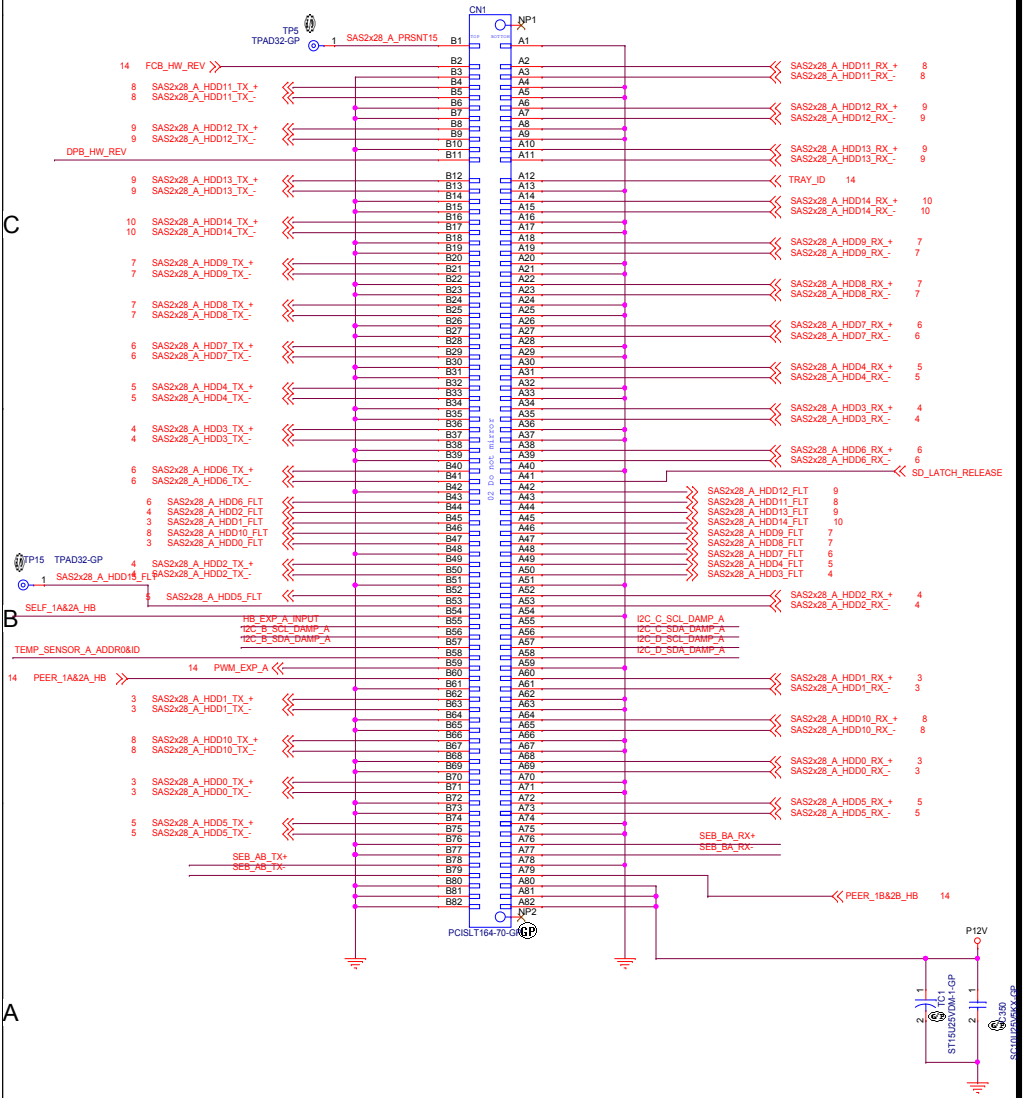


SAS Interconnection

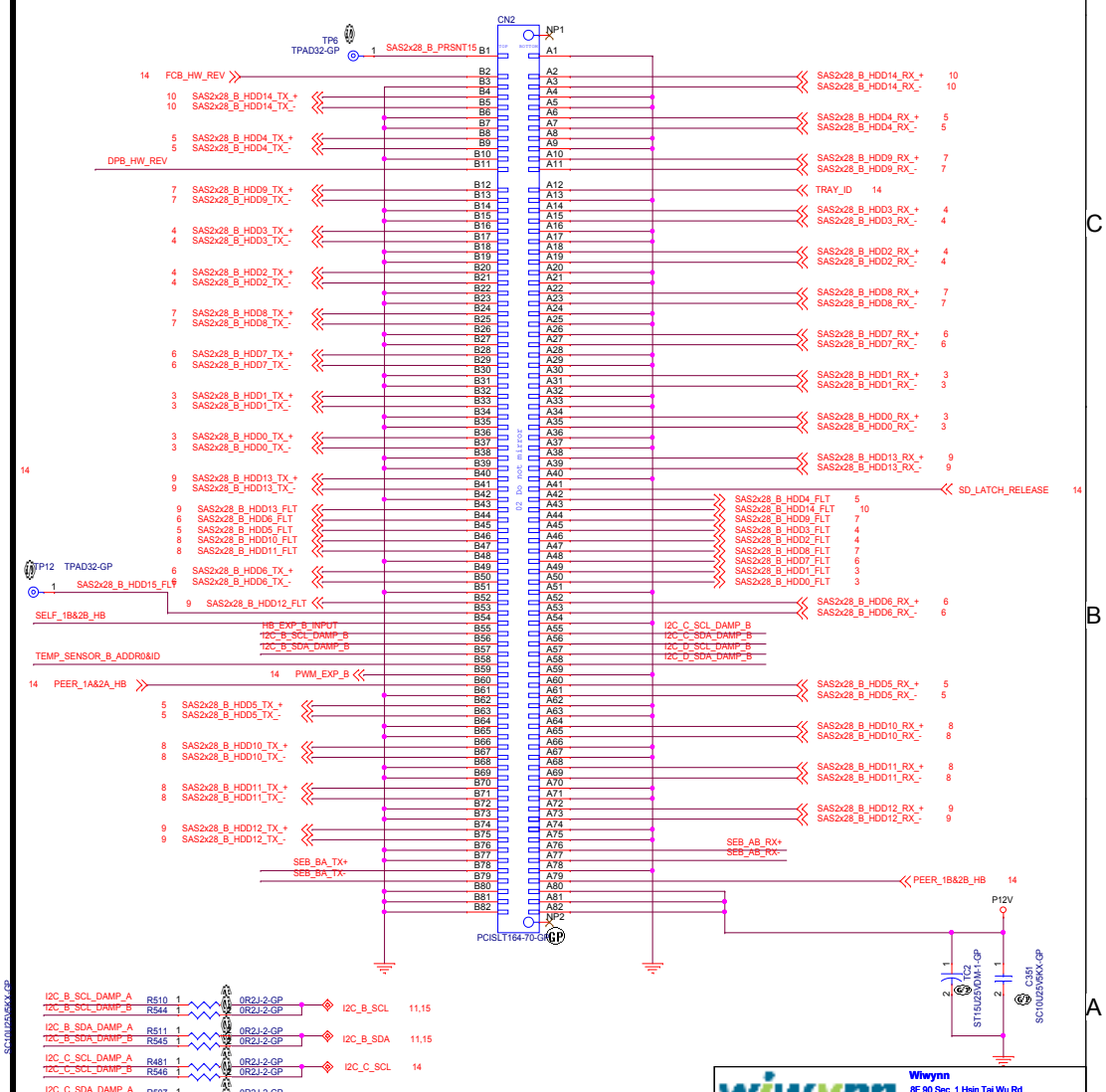


DPB_HW_REV	R406	R407	C36 C37 C38 C39	x1 SAS Interconnection
LOW KNOX	Dummy	Mount	Dummy (defult)	NO (defult)
HIGH Cold Storage	Mount	Dummy	Dummy (defult)	NO (defult)

CN1_SEB_1A/2A



CN2_SEB_1B/2B



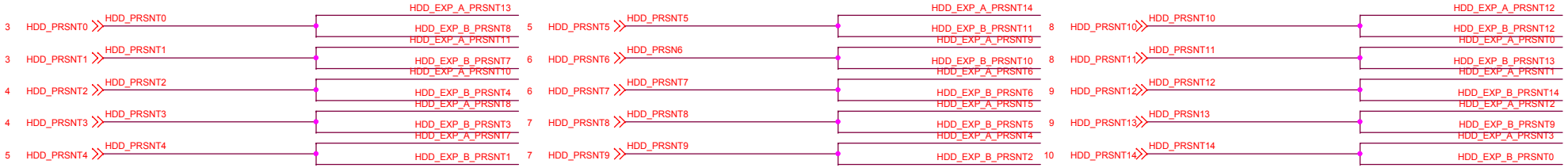
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Title: **PCIE SLOTS x16**

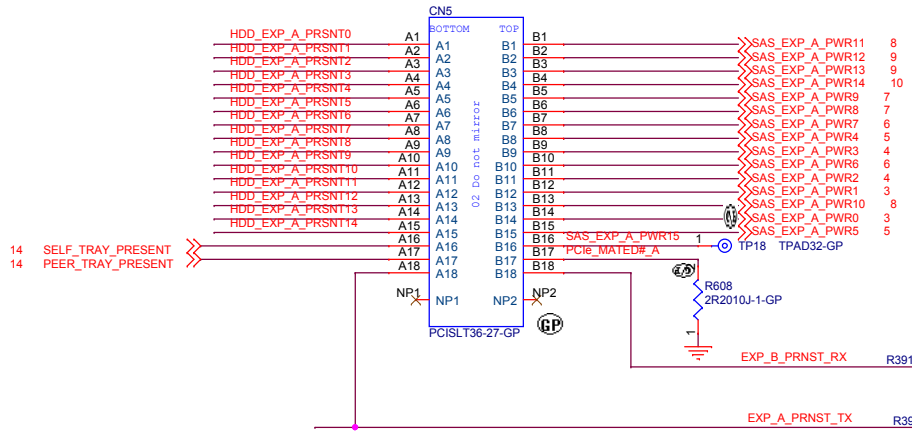
Size: C | Document Number: **Honey Badger_DPB** | Rev: -SA

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HDD_PRSNT MAP TO EXP_36P PCIE CONN

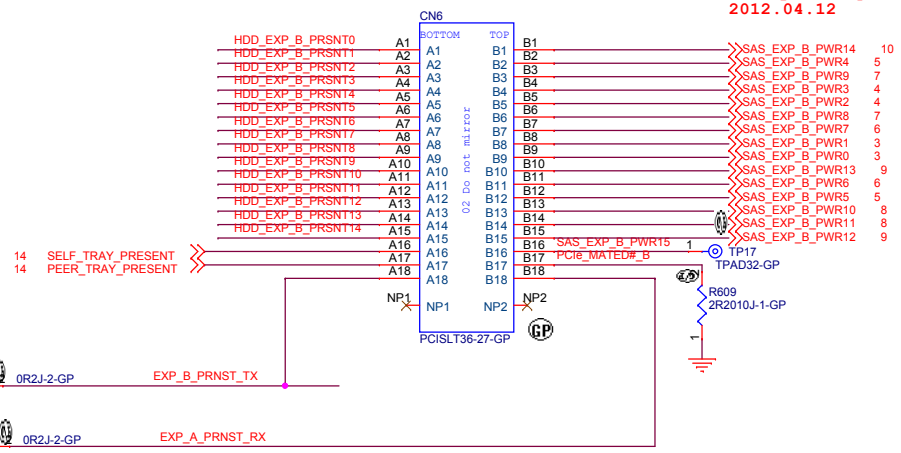


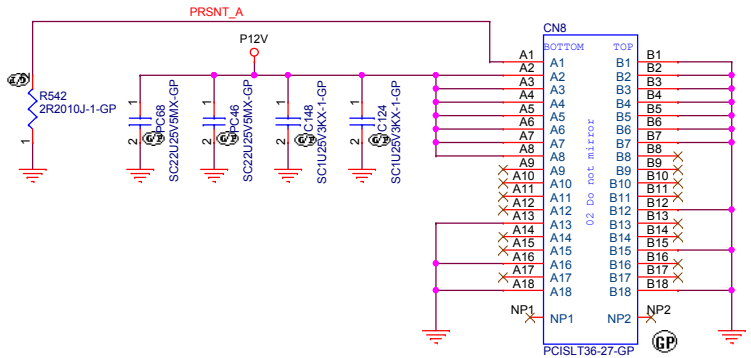
EXP_A_36P PCIE CONN

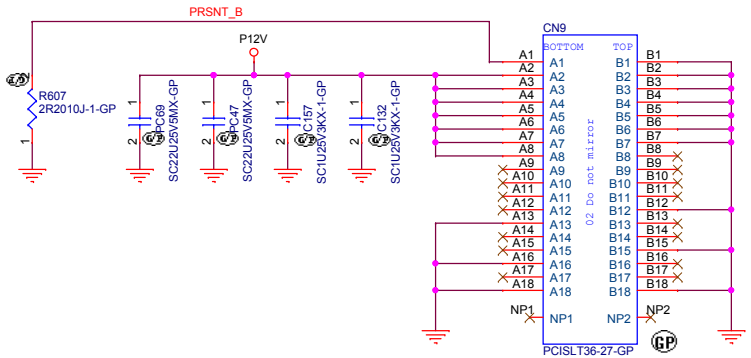


EXP_B_36P PCIE CONN

modify to map HDD PWR signals
2012.04.12

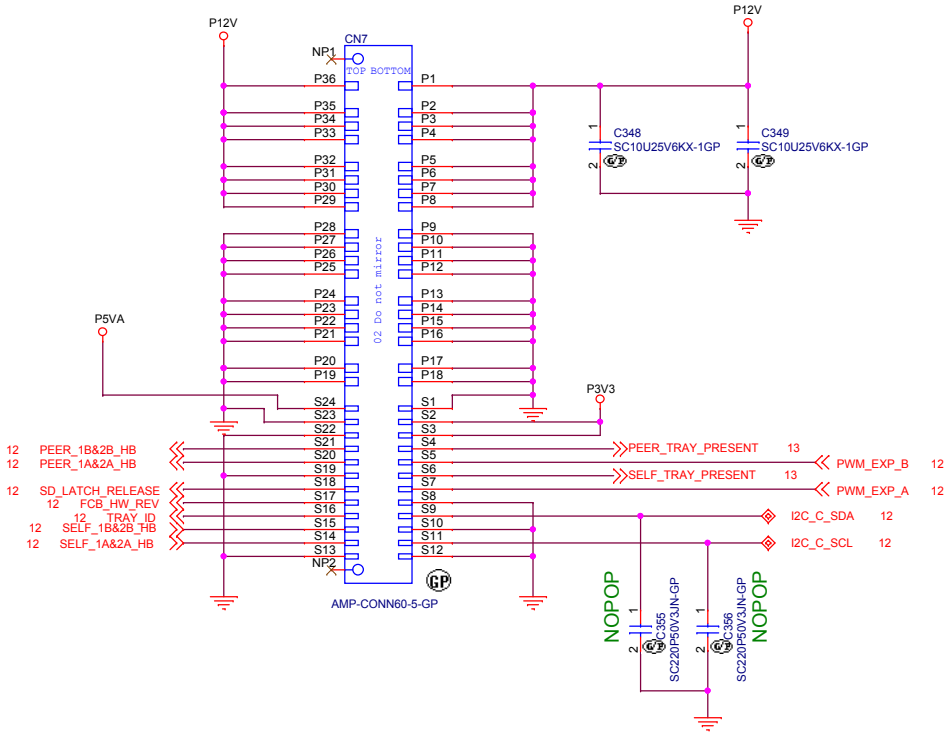






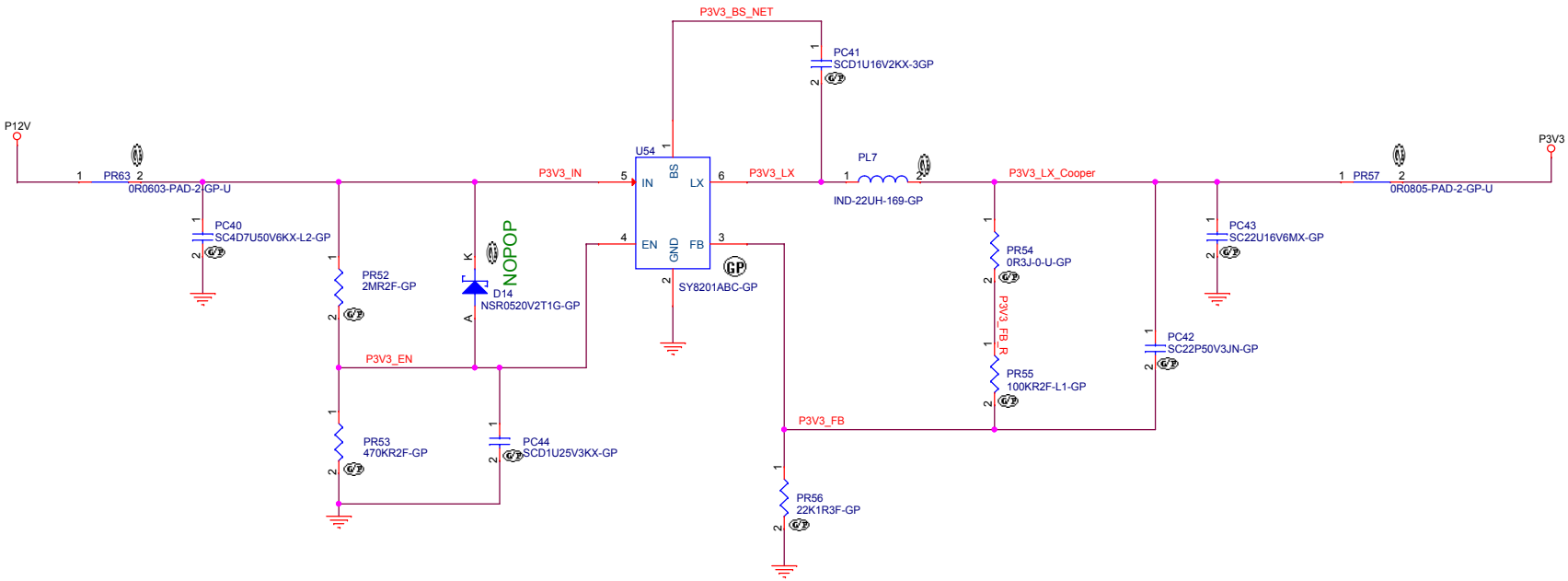
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	H/W R&D Dept. II	
Title	PCIE SLOTS x1	
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STRADDLE CONN

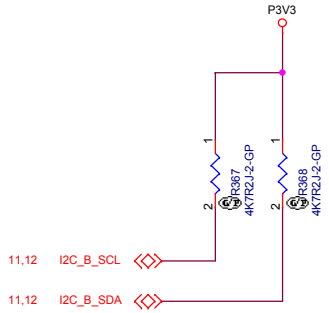


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	H/W R&D Dept. II	
Title: STRADDLE CONN		
Size: A3	Document Number: Honey Badger_DPB	Rev: -SA
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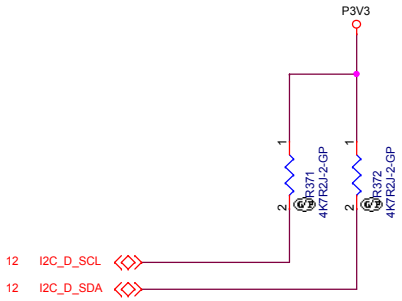
P3V3 SWITCHING SY8021



I2C_B Pull-High

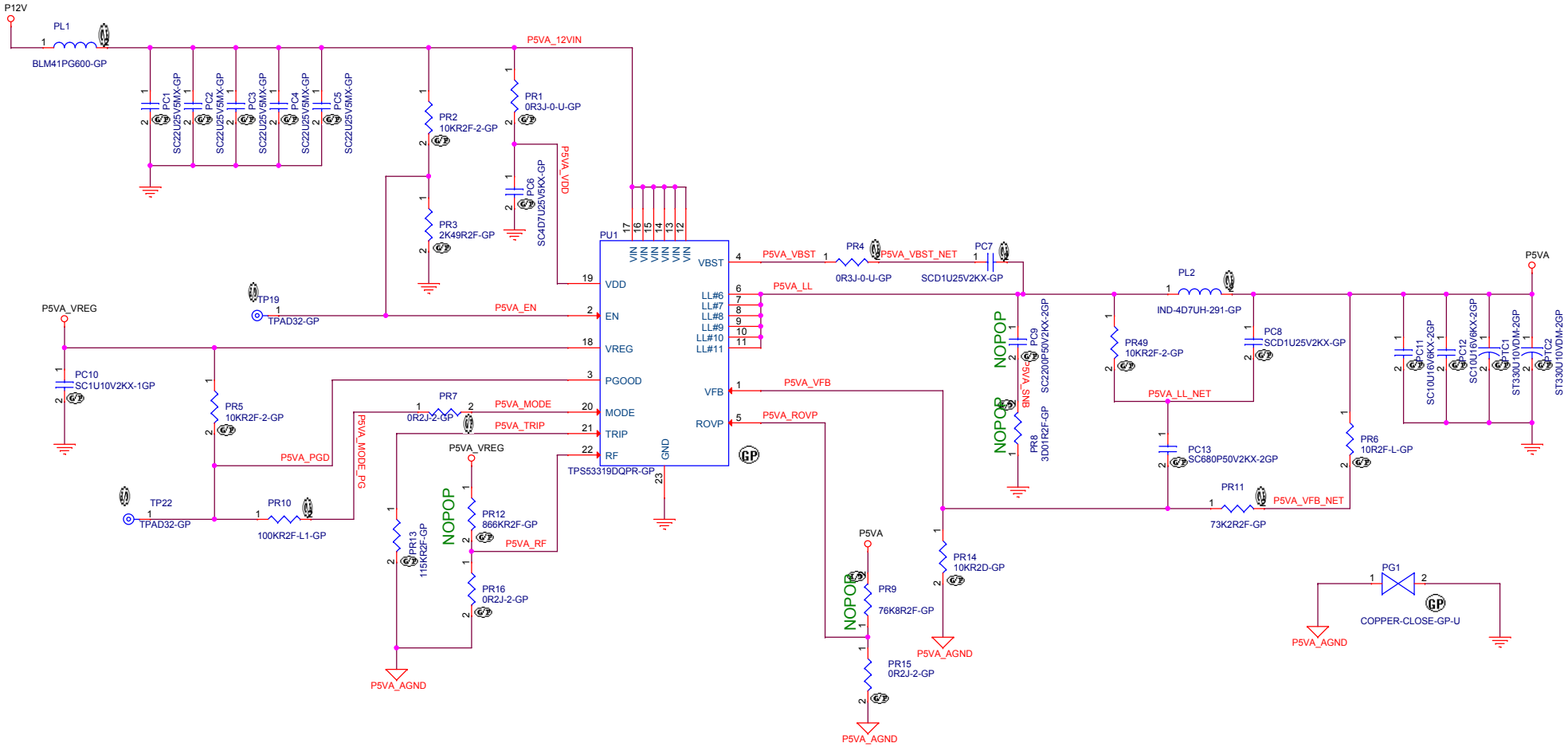


I2C_D Pull-High

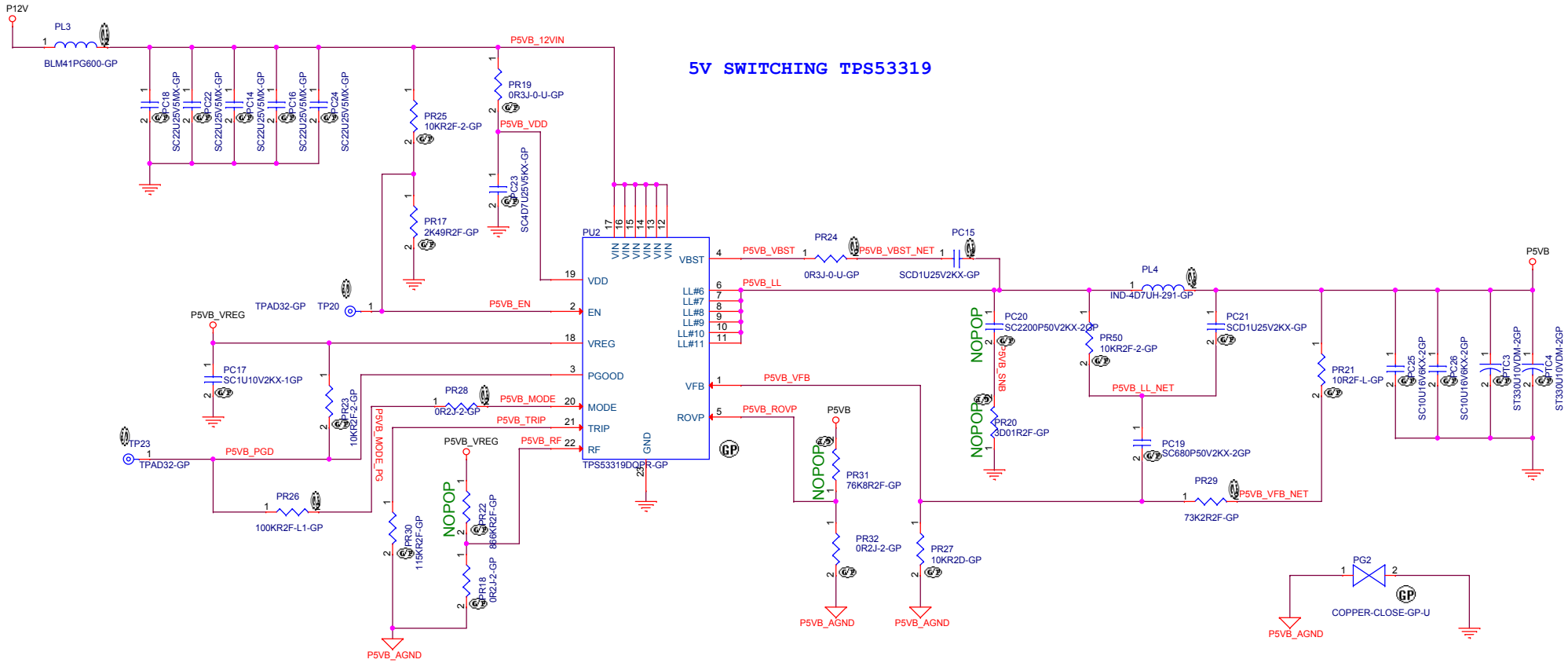


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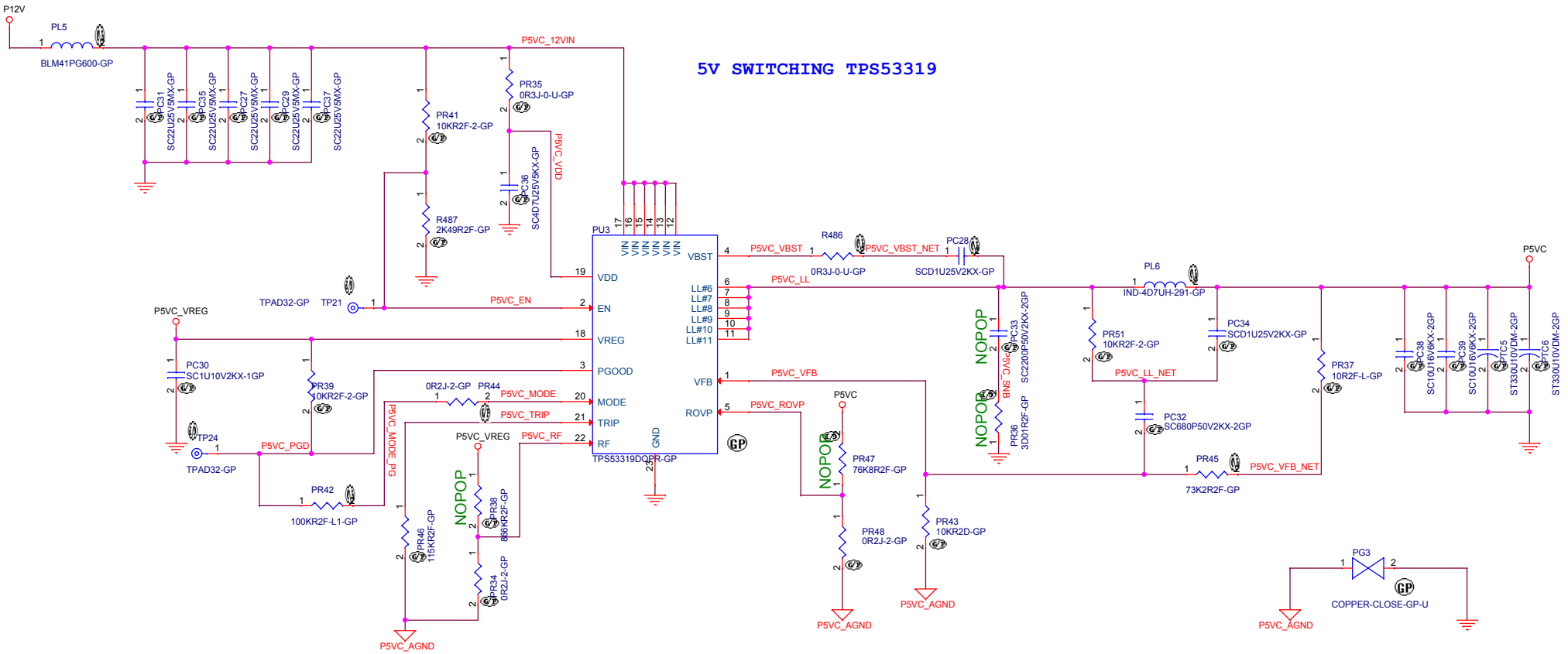
5V SWITCHING TPS53319



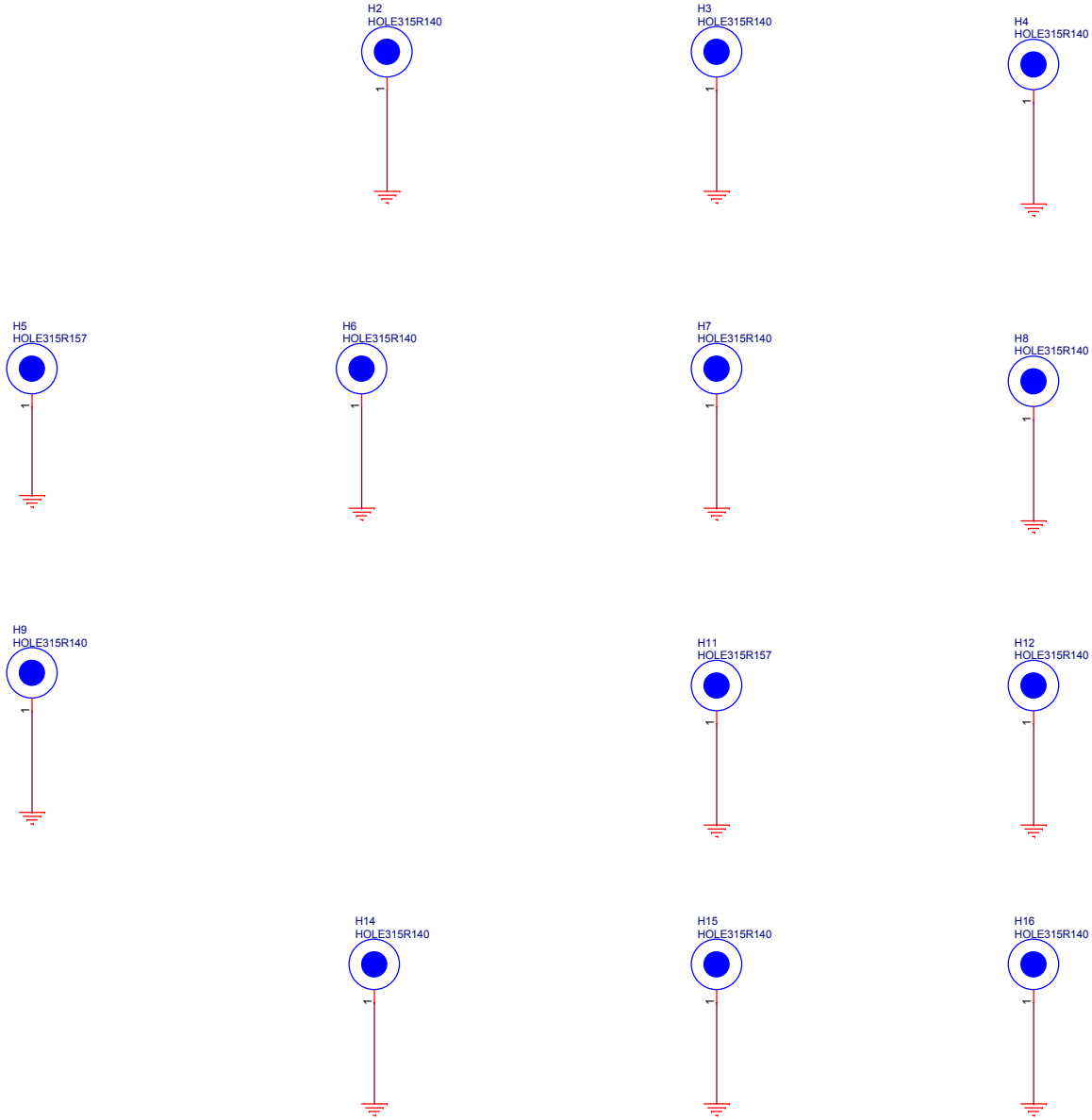
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Title	P5VB FOR HDD 5-9
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H/W R&D Dept. II			
Title	P5VC FOR HDD 10-14		
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