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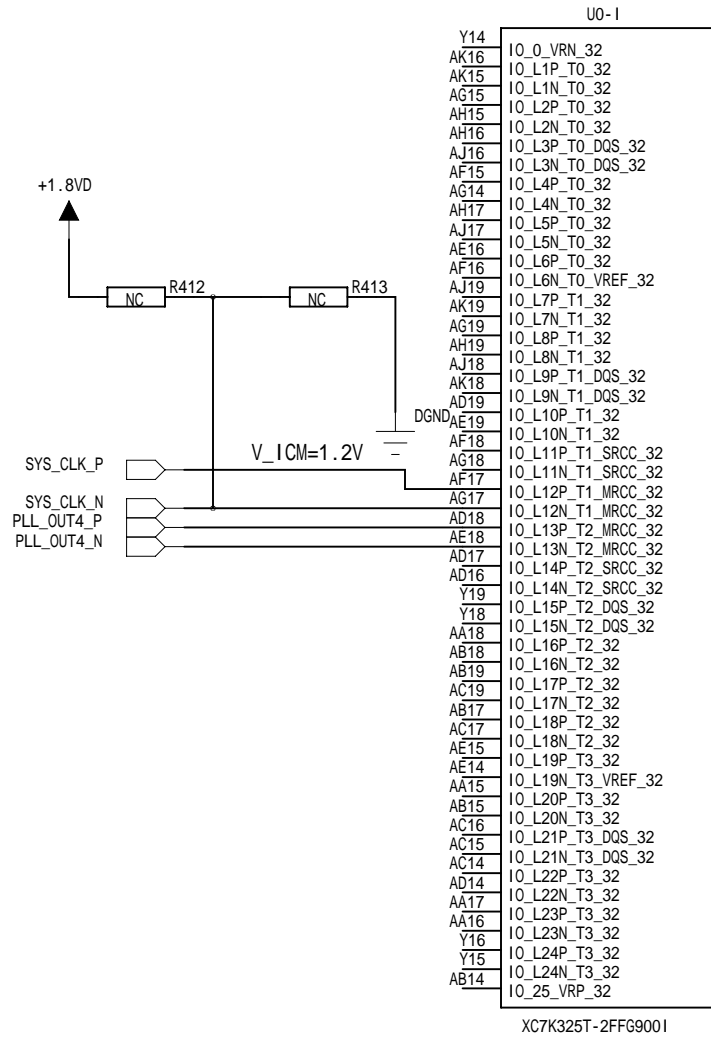
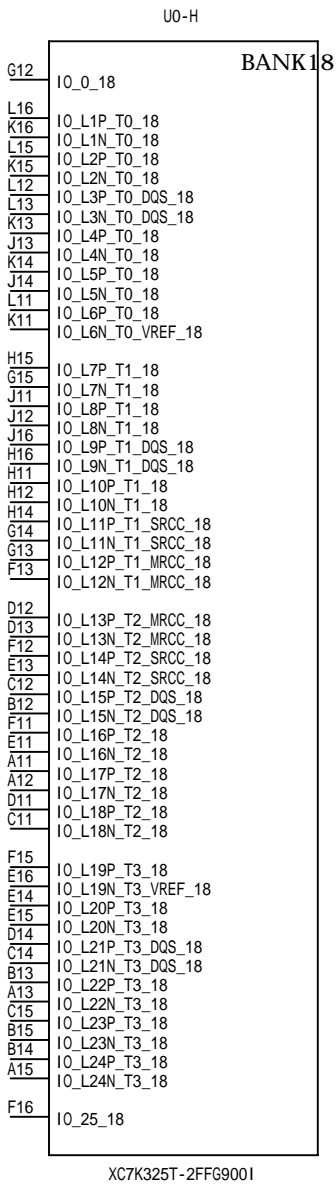
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IIIS

K7DDS

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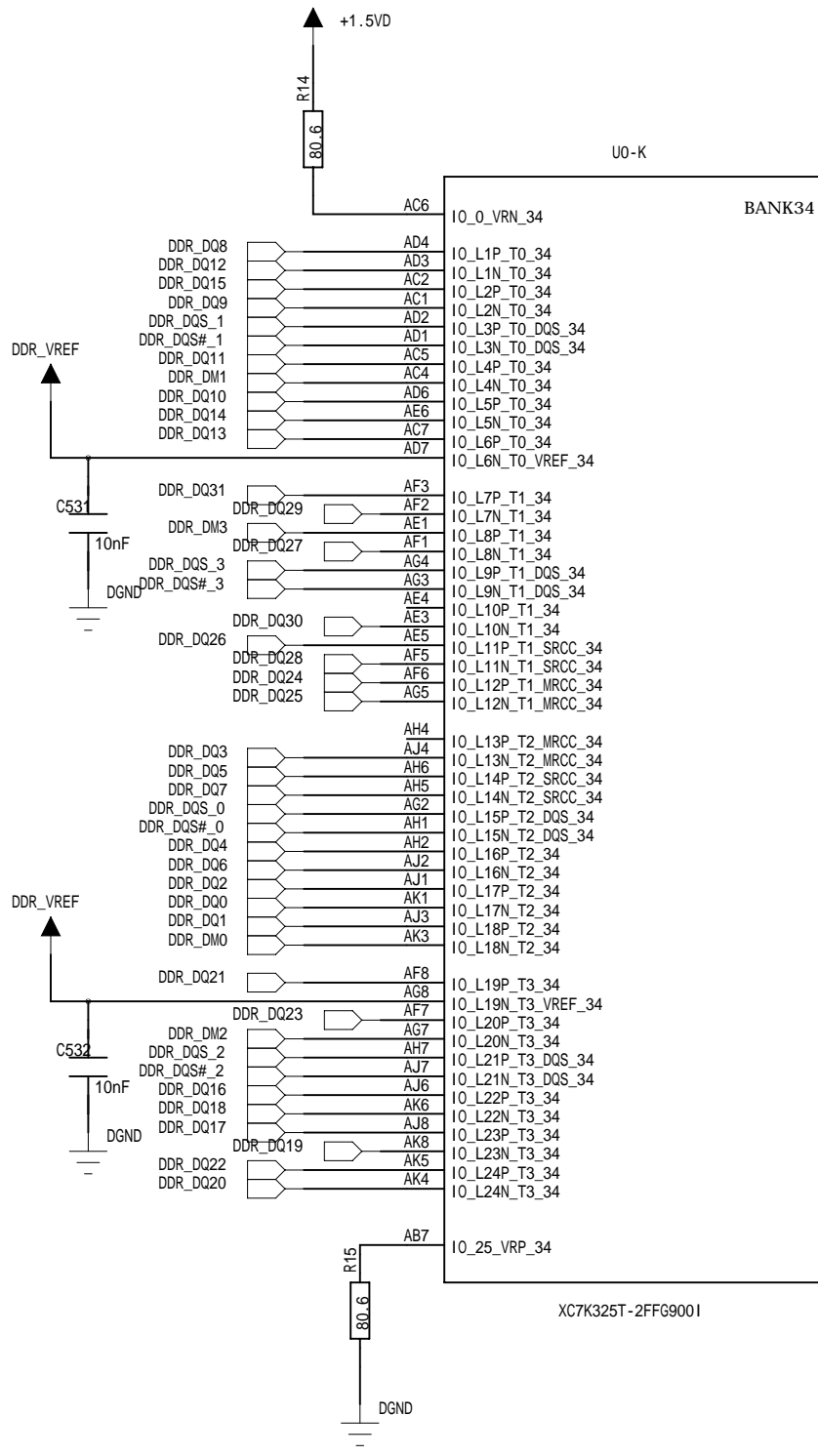
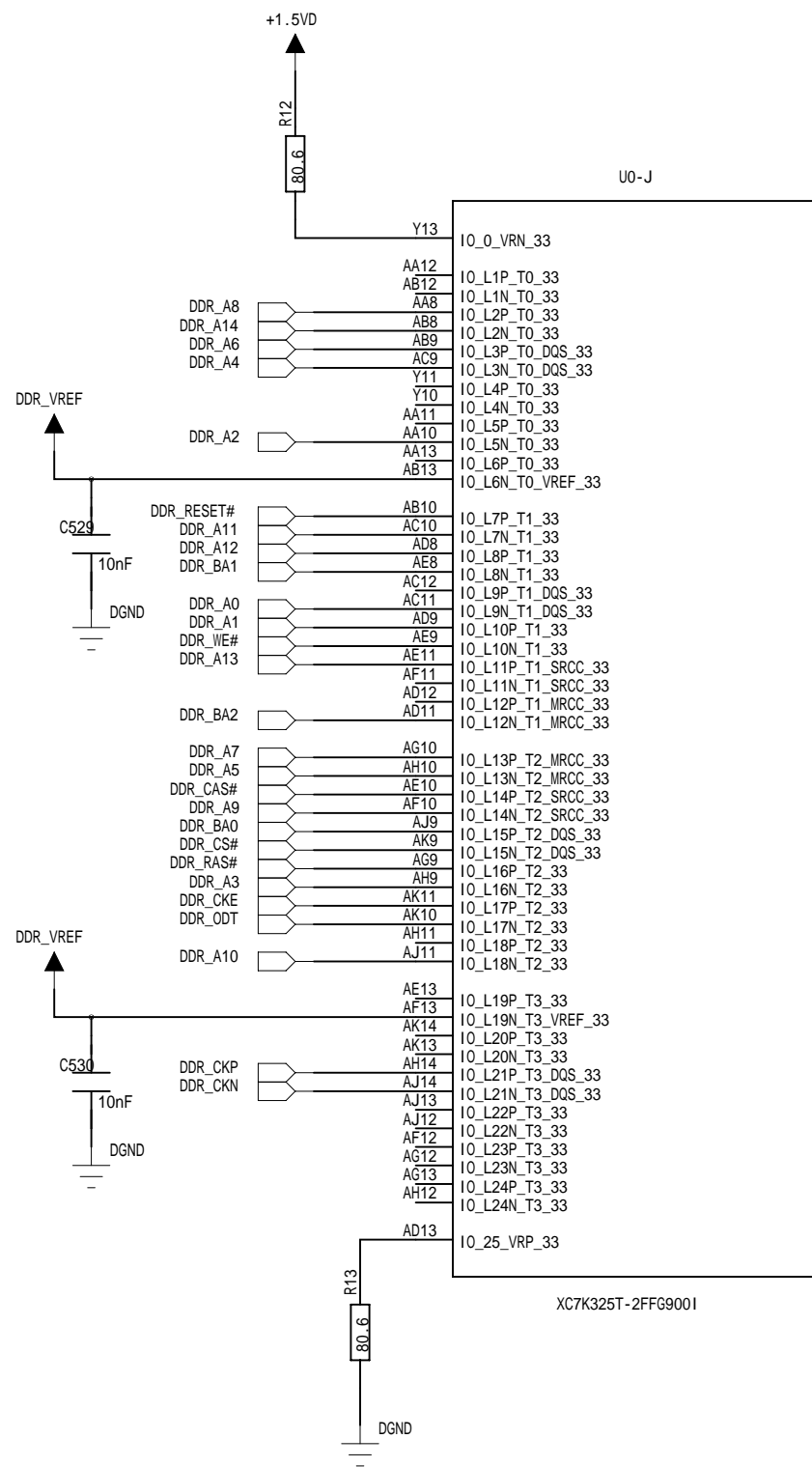
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IIIS

K7DDS

DRAWN:

WangBo

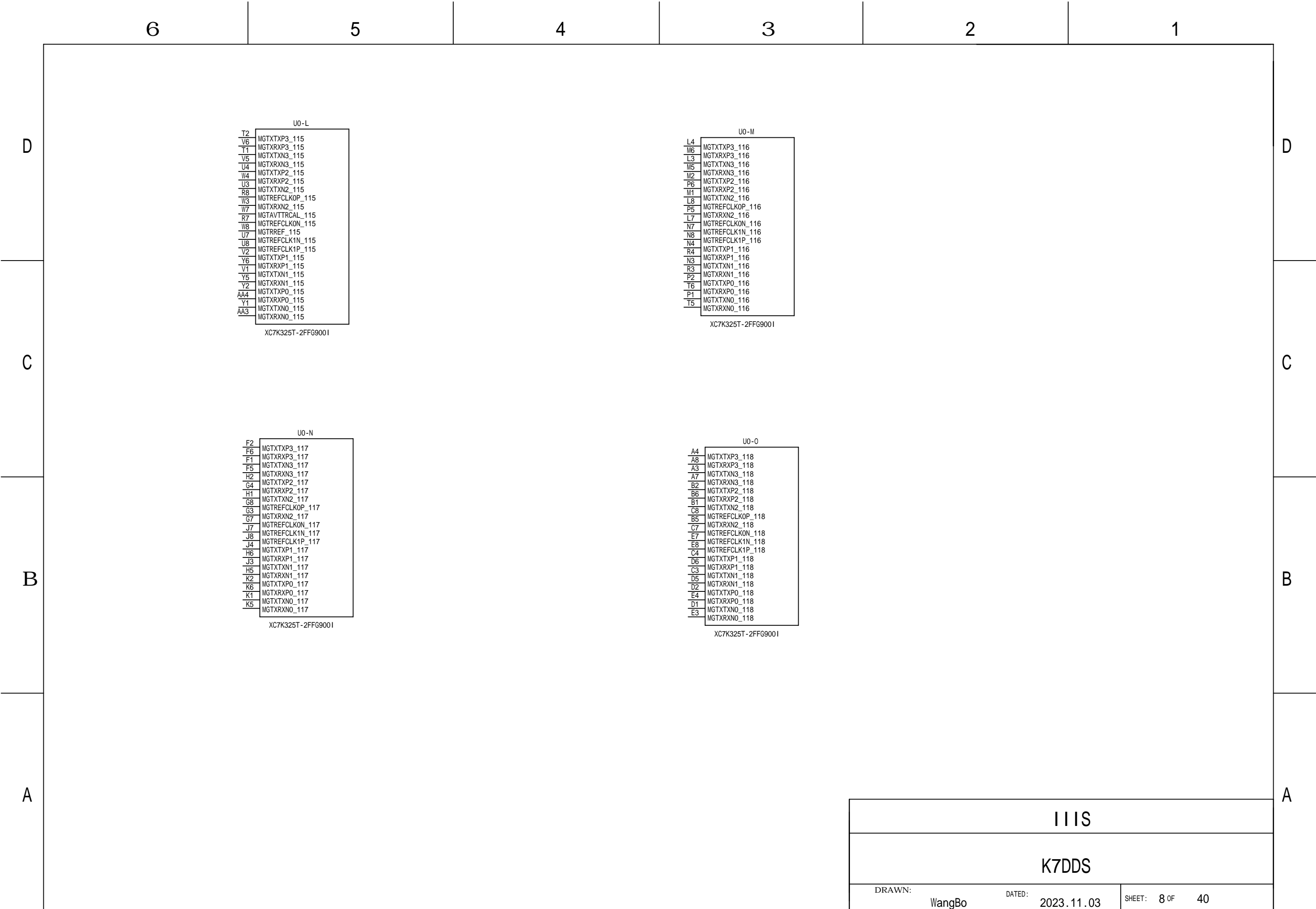
DATED:

2023.11.03

SHEET:

7 OF

40



U0-O

A4

A8

A3

A7

B2

B6

B1

C8

B5

C7

E7

E7

E8

C4

D6

C3

D5

D2

E4

D1

E3

MGTXXP3\_118

MGTXXP3\_118

MGTXXN3\_118

MGTXXN3\_118

MGTXXP2\_118

MGTXXP2\_118

MGTXXN2\_118

MGTREFCLKOP\_118

MGTXXN2\_118

MGTREFCLKON\_118

MGTREFCLK1N\_118

MGTREFCLK1P\_118

MGTXXP1\_118

MGTXXP1\_118

MGTXXN1\_118

MGTXXN1\_118

MGTXXN1\_118

MGTXXP0\_118

MGTXXP0\_118

MGTXXN0\_118

MGTXXN0\_118

XC7K325T-2FFG900I

IIIS

K7DDS

DRAWN:WangBo

DATED:2023.11.03

SHEET: 8 OF 40



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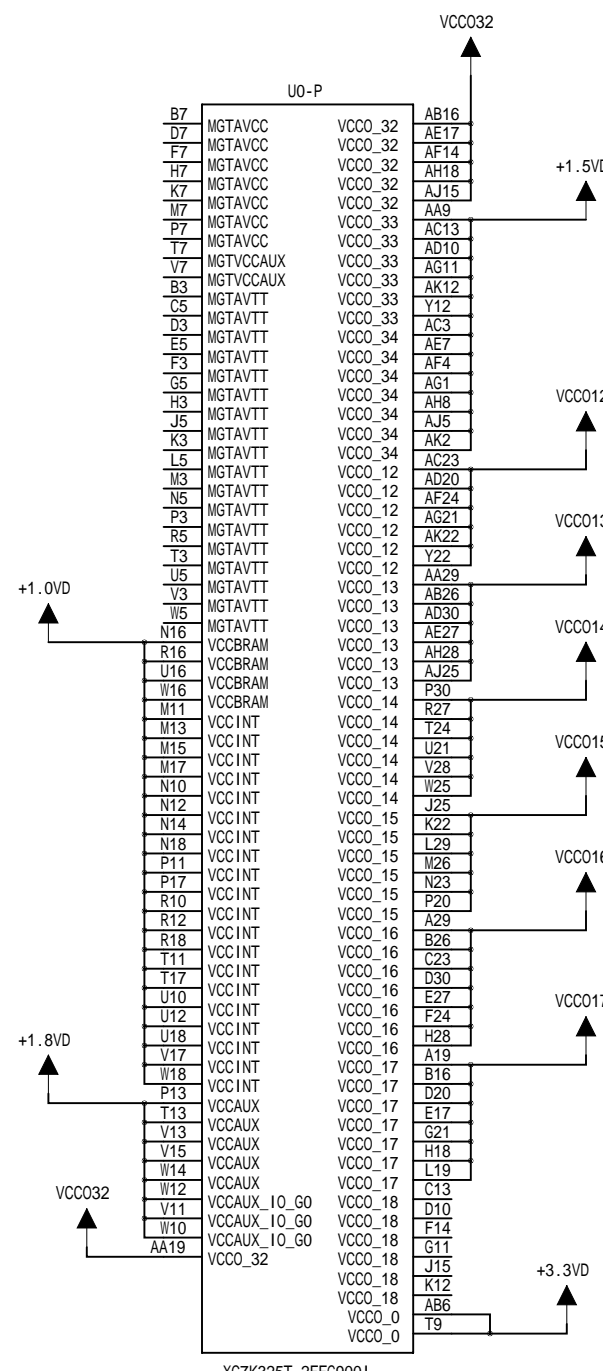
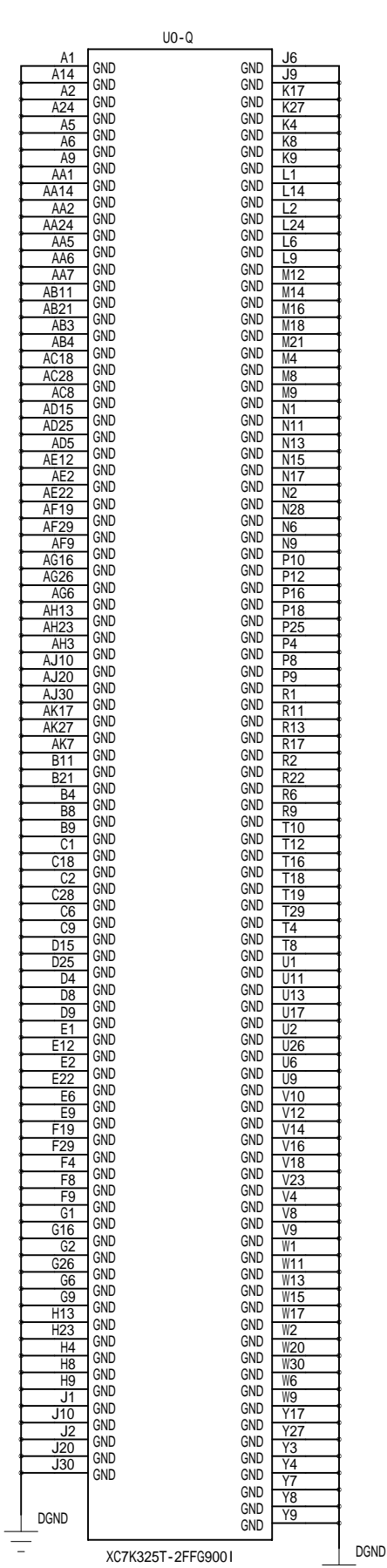
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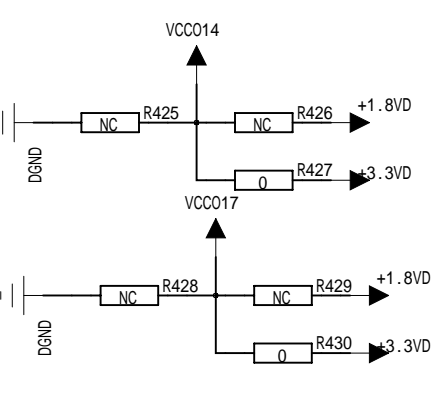
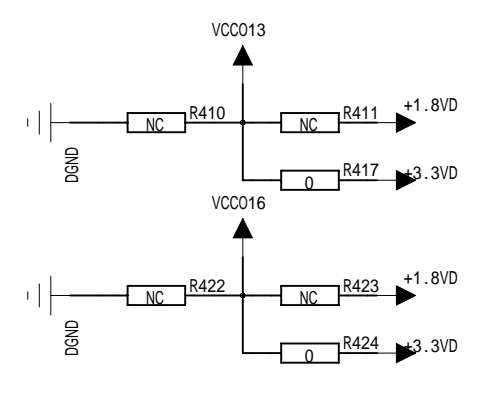
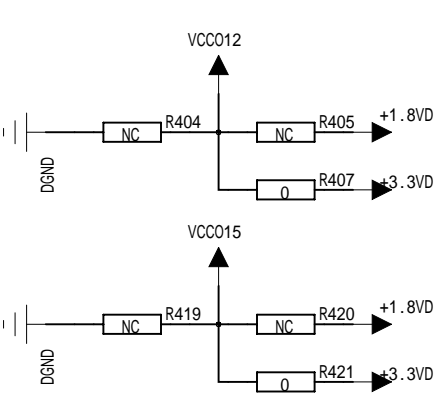
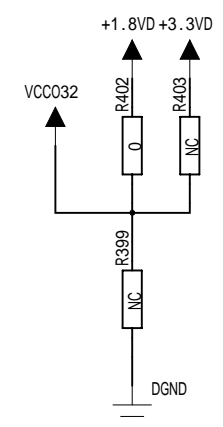
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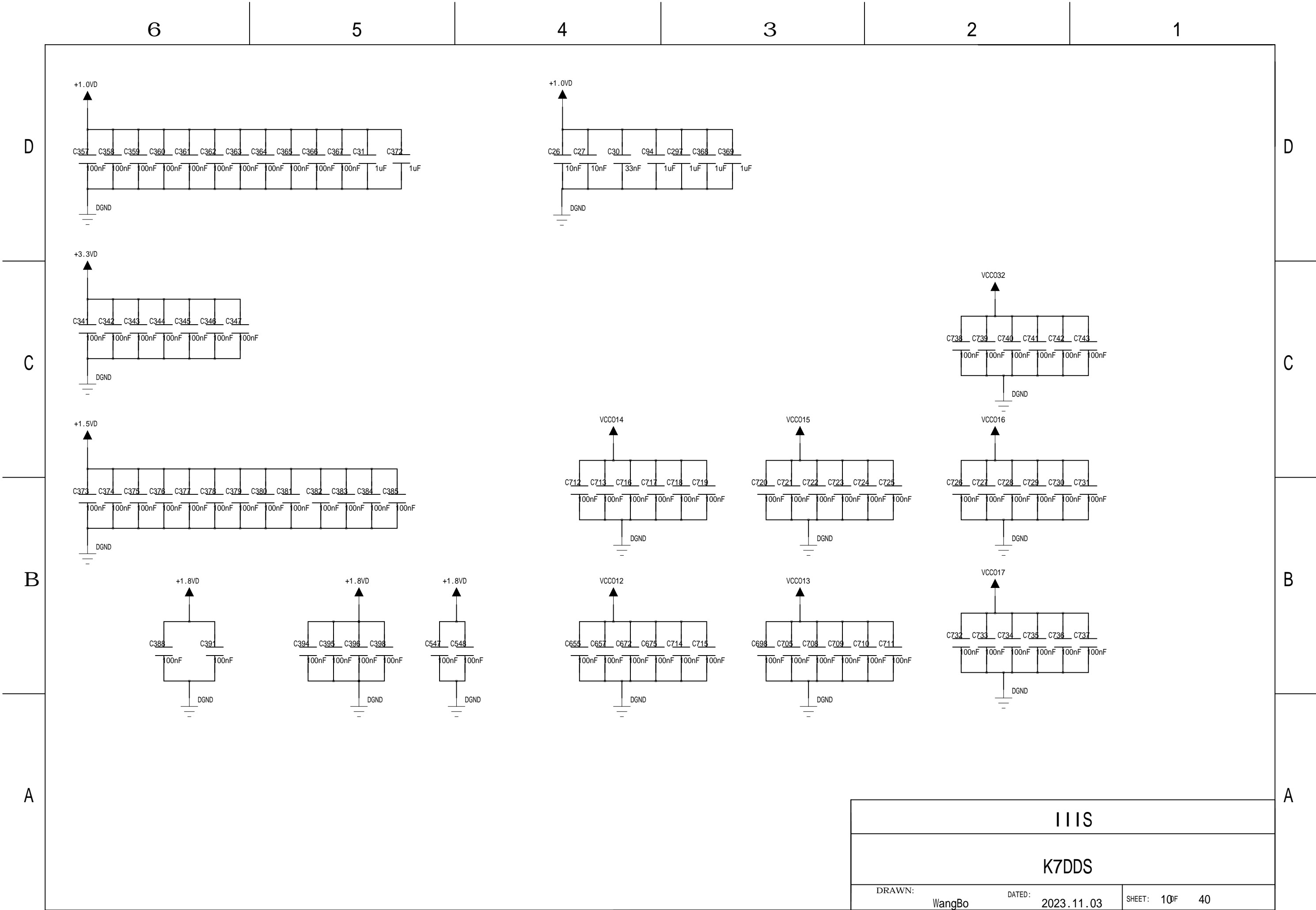
A



VCCINT , VCCBRAM->VCCAUX , VCC\_AUXIO->VCC0  
ramptime 0.2-50ms



IIIS		
K7DDS		
DRAWN: WangBo	DATED: 2023.11.03	SHEET: 9 OF 40



IIIS		
K7DDS		
DRAWN: WangBo	DATED: 2023.11.03	SHEET: 10F 40

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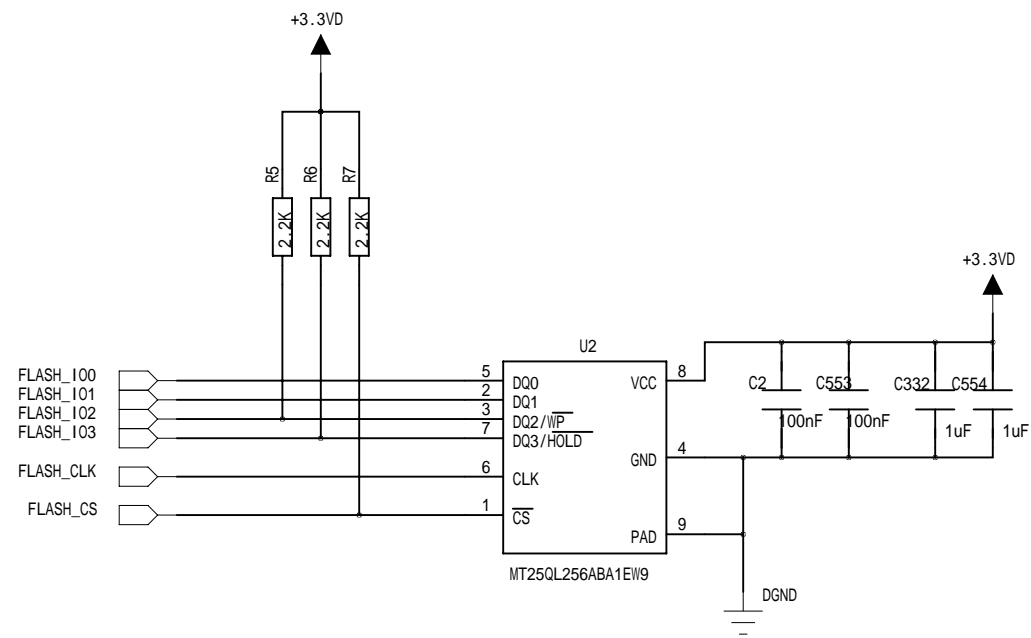
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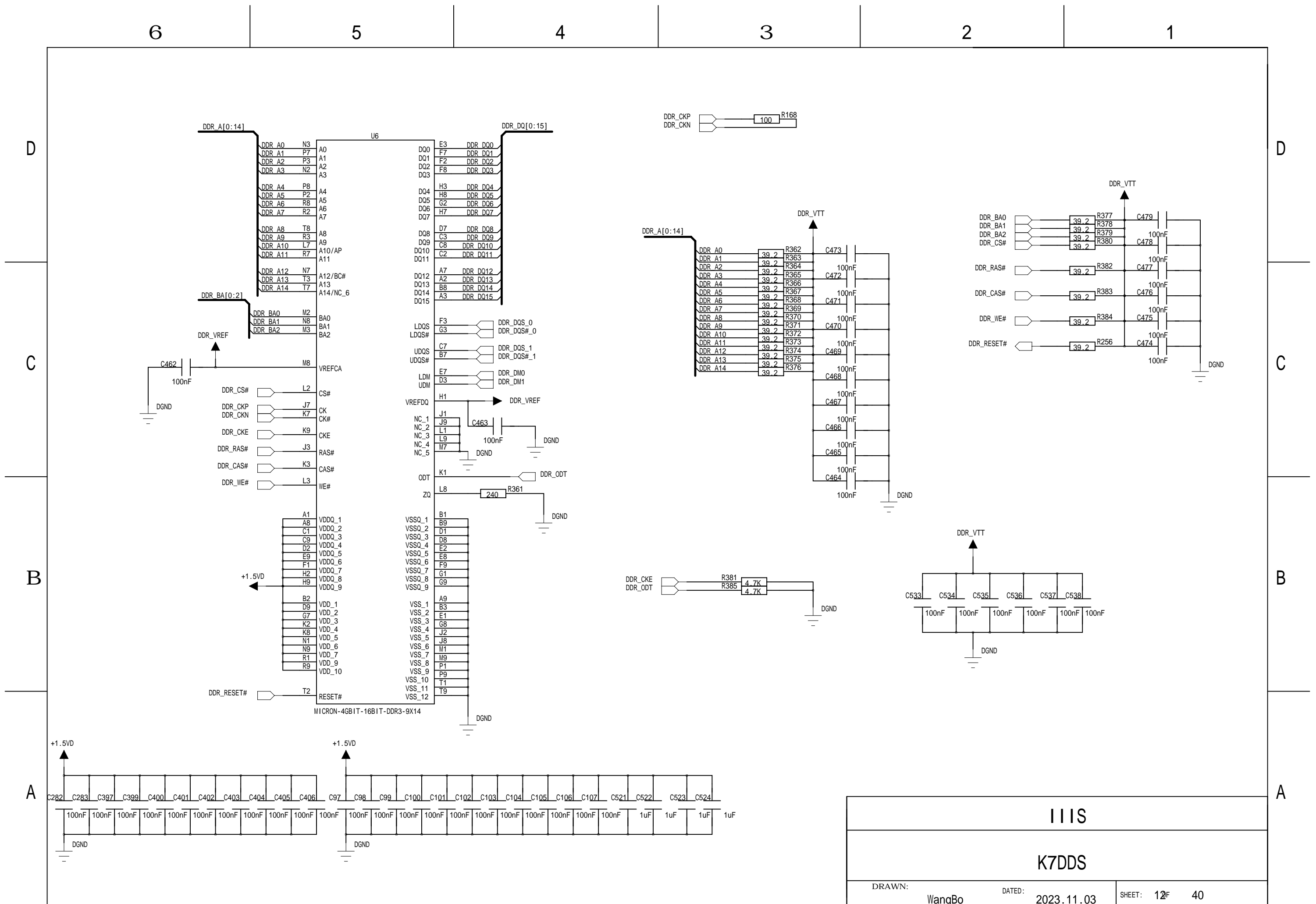
C

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IIIS		
K7DDS		
DRAWN: WangBo	DATED: 2023.11.03	SHEET: 11F 40



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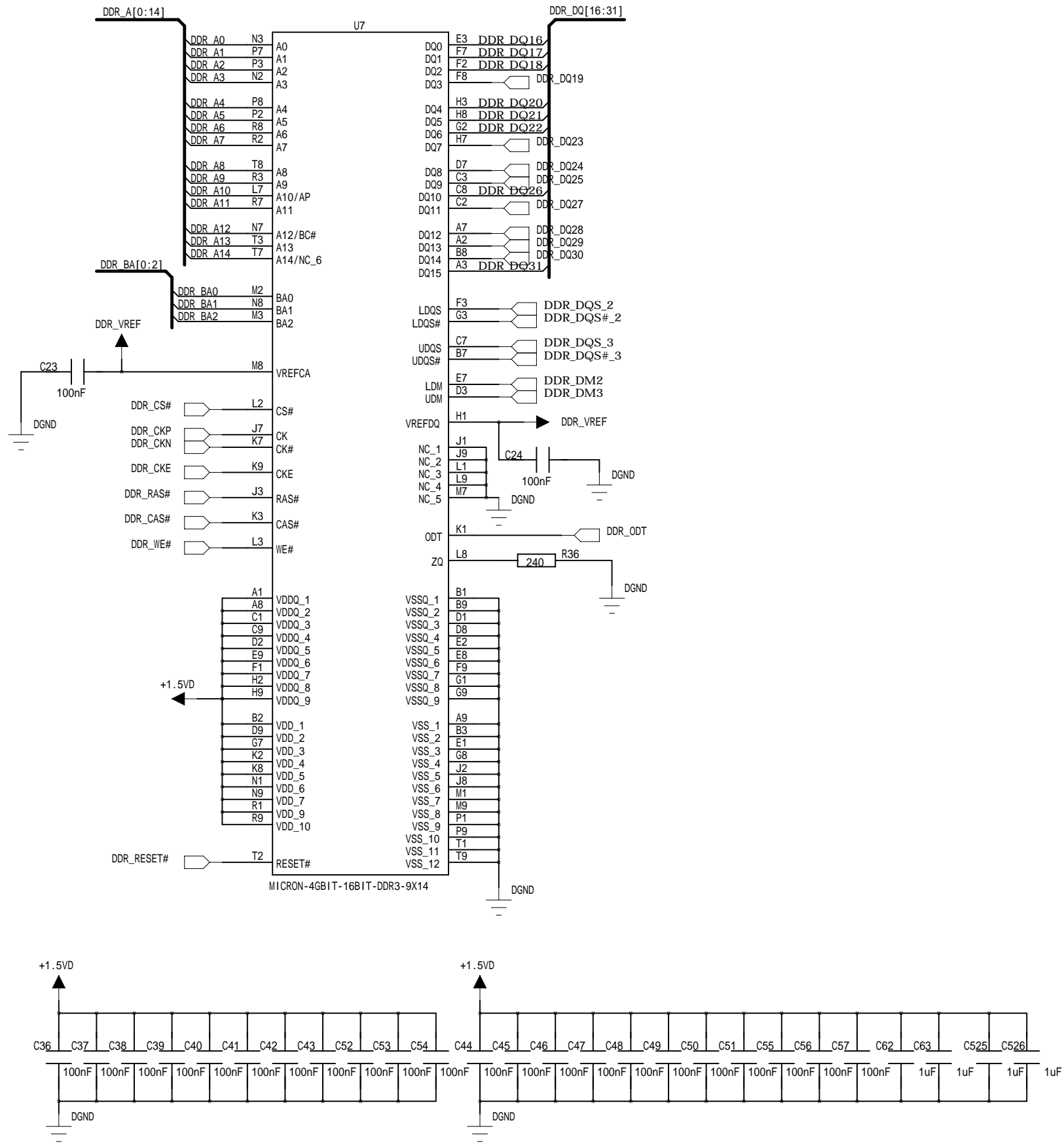
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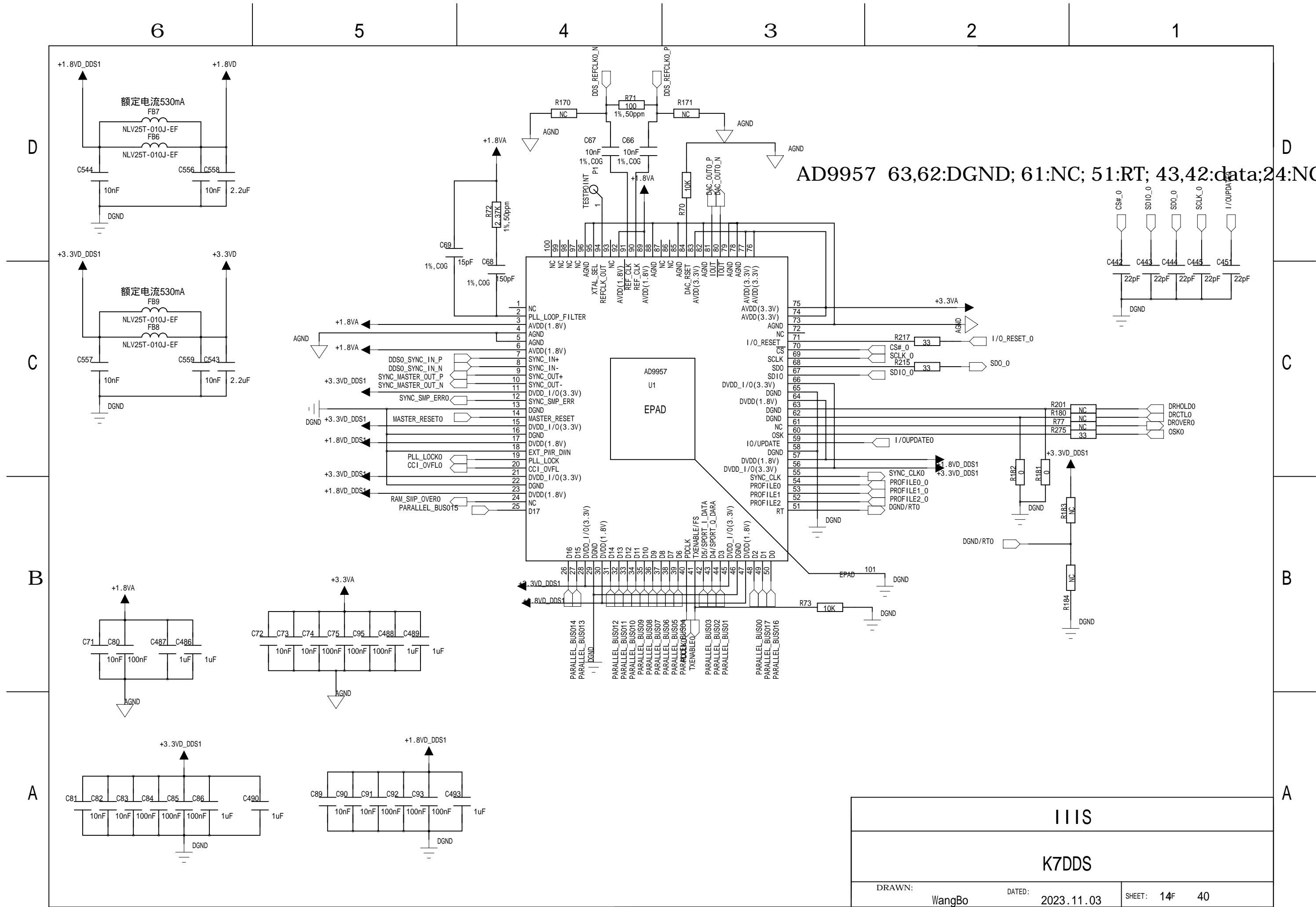
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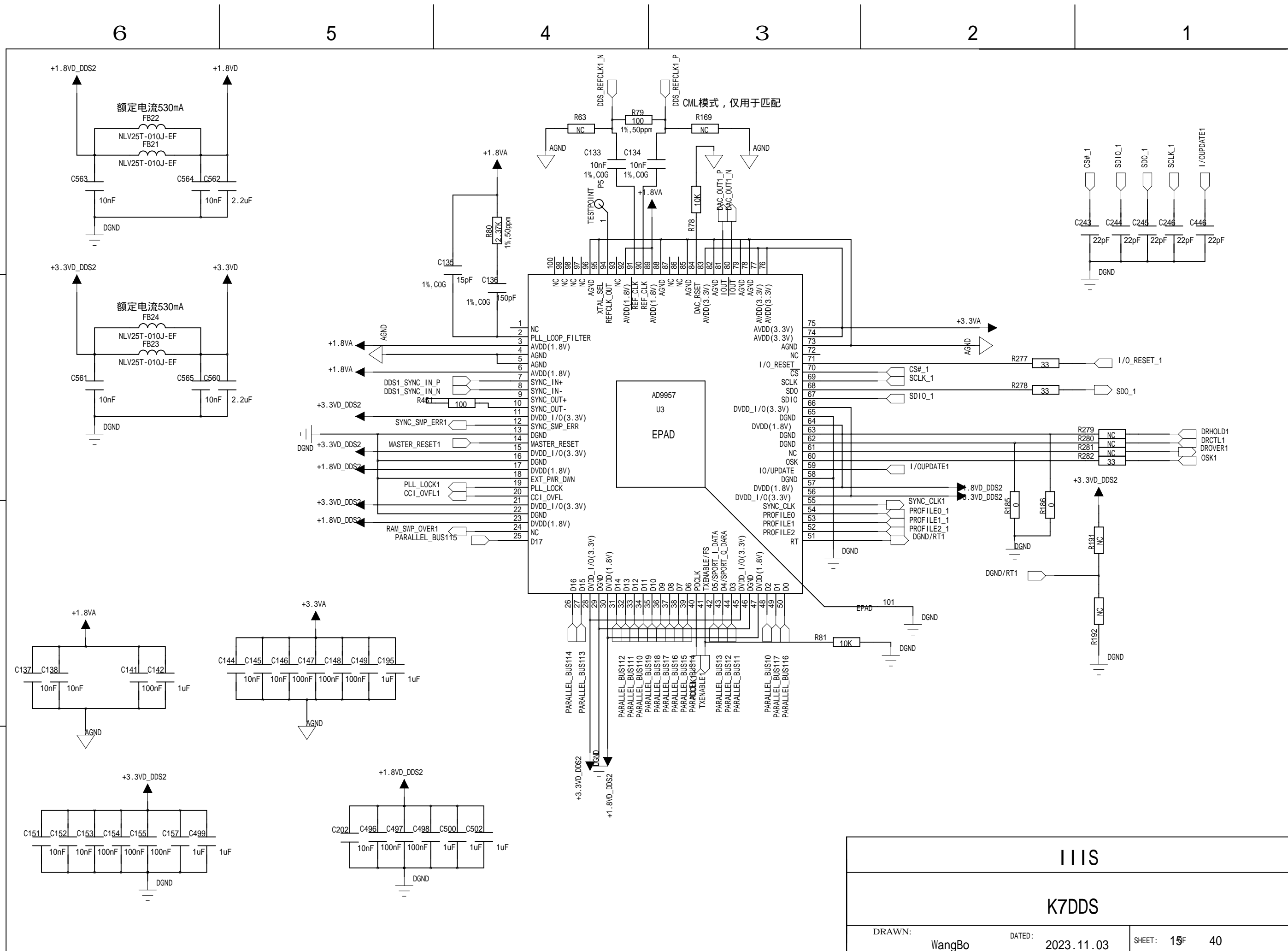
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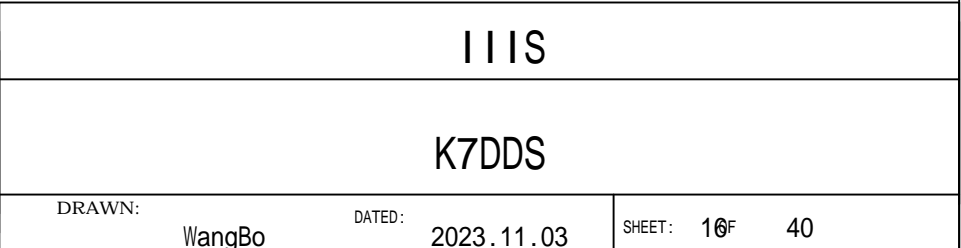
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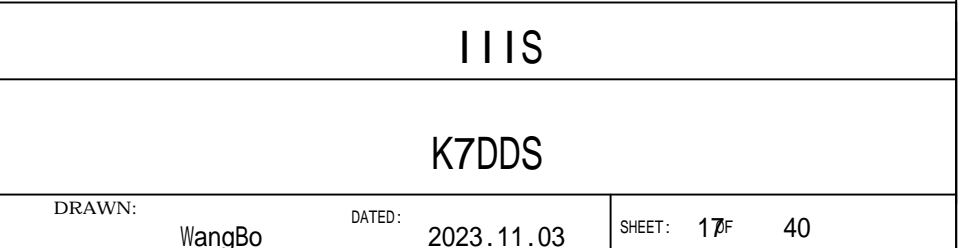
IIIS		
K7DDS		
DRAWN: WangBo	DATED: 2023.11.03	SHEET: 13F 40













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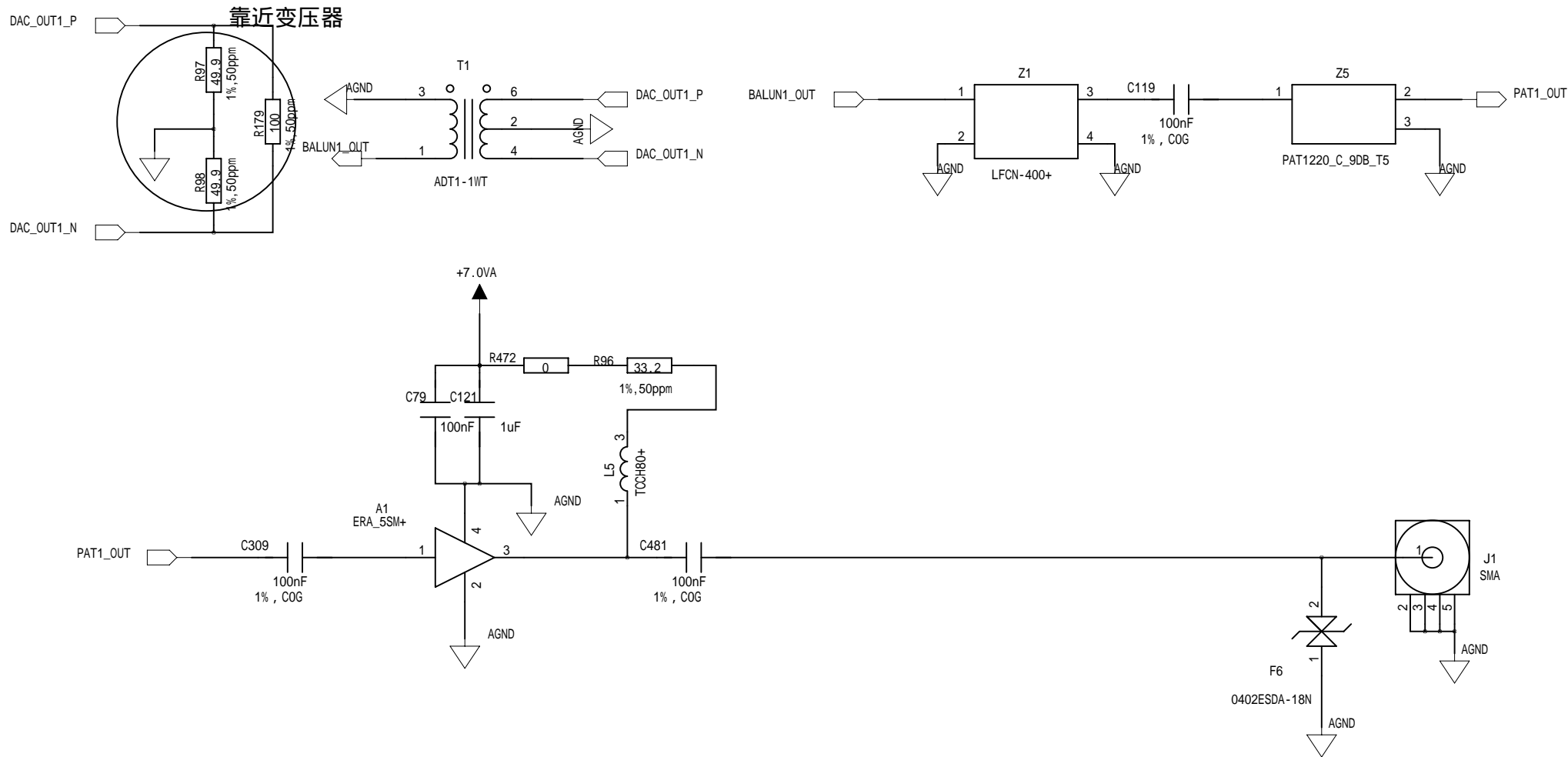
C

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IIIS

K7DDS

DRAWN: WangBo

DATED: 2023.11.03

SHEET: 19 40



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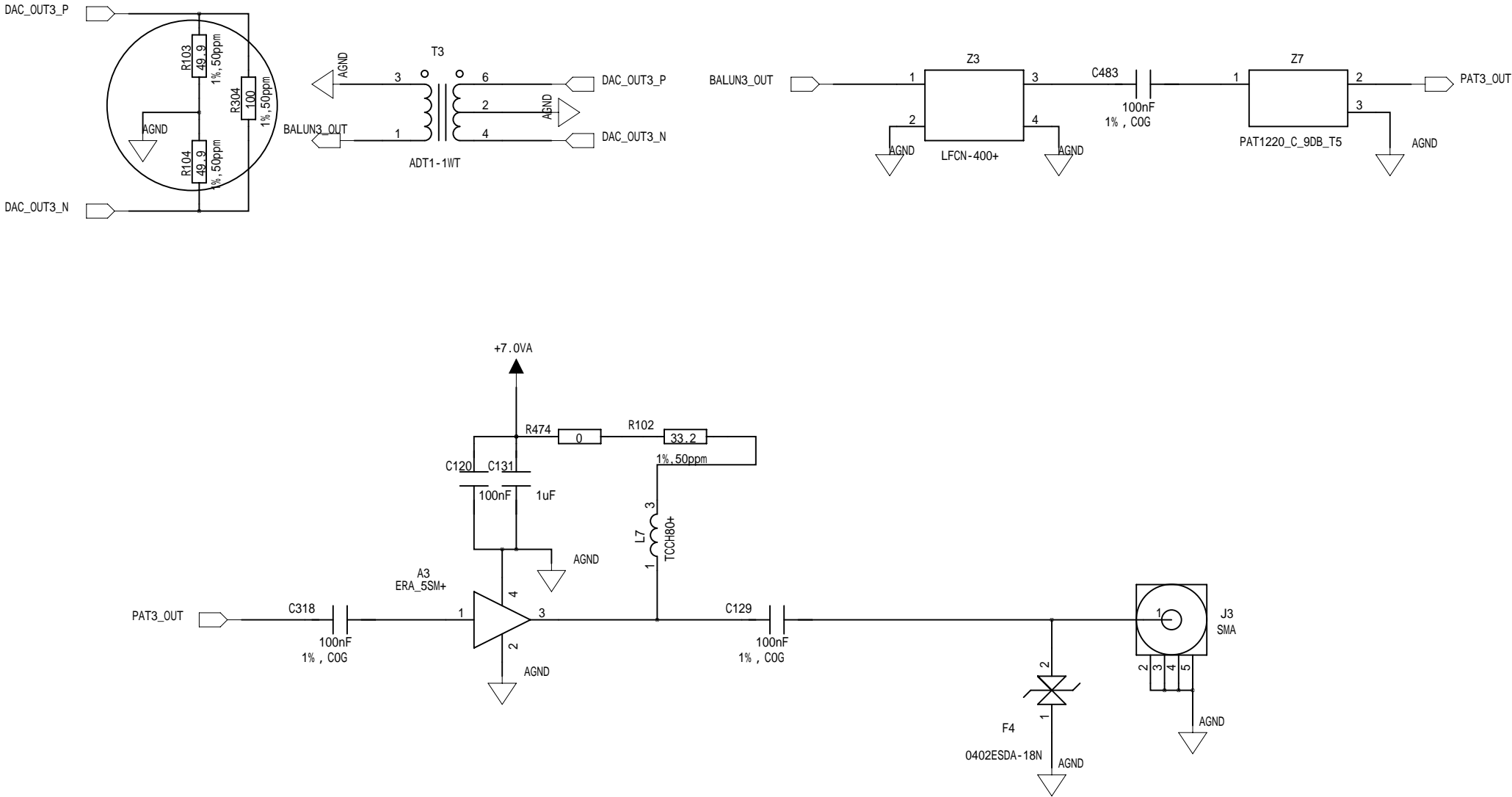
C

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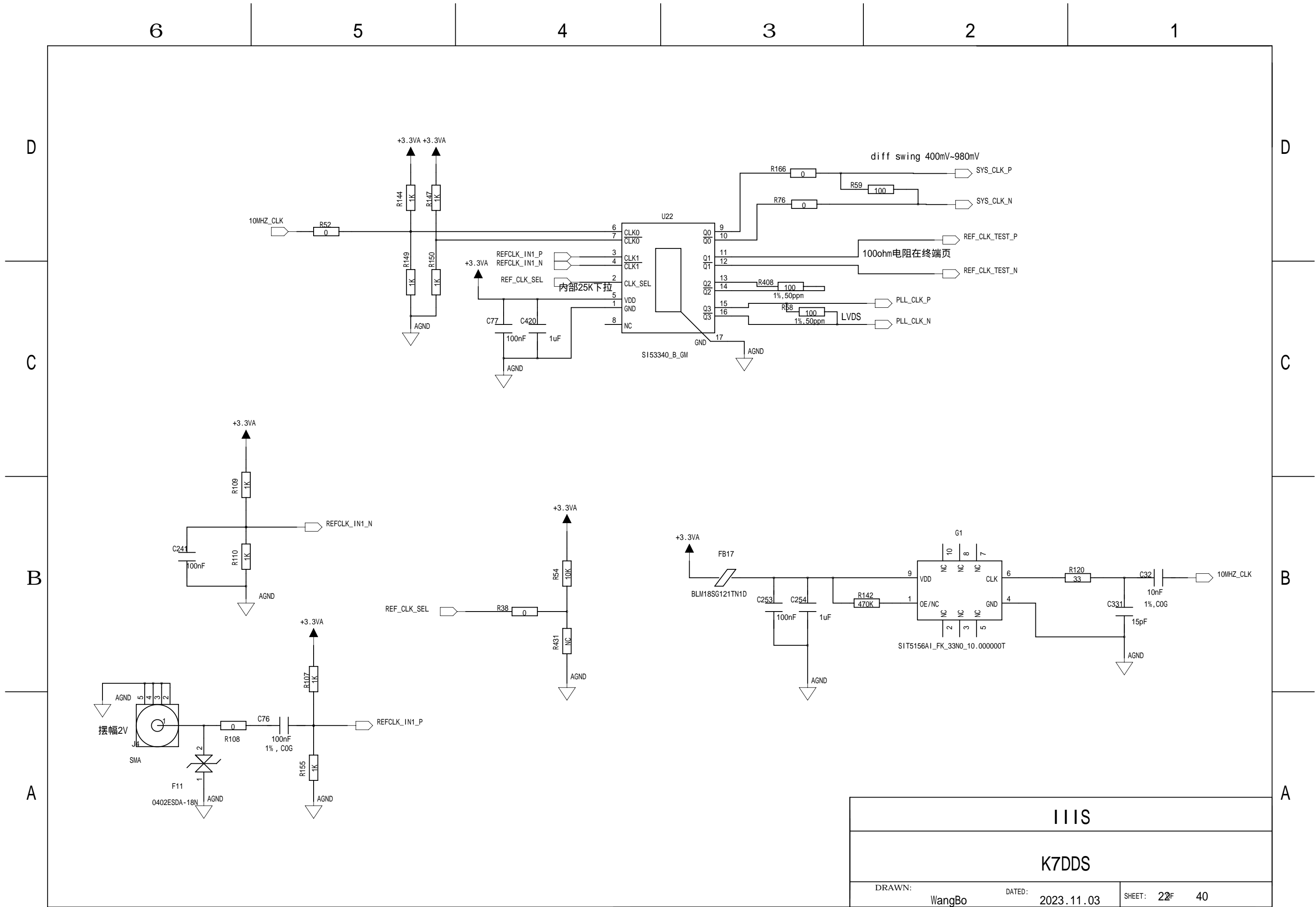
IIIS

K7DDS

DRAWN: WangBo

DATED: 2023.11.03

SHEET: 21 40





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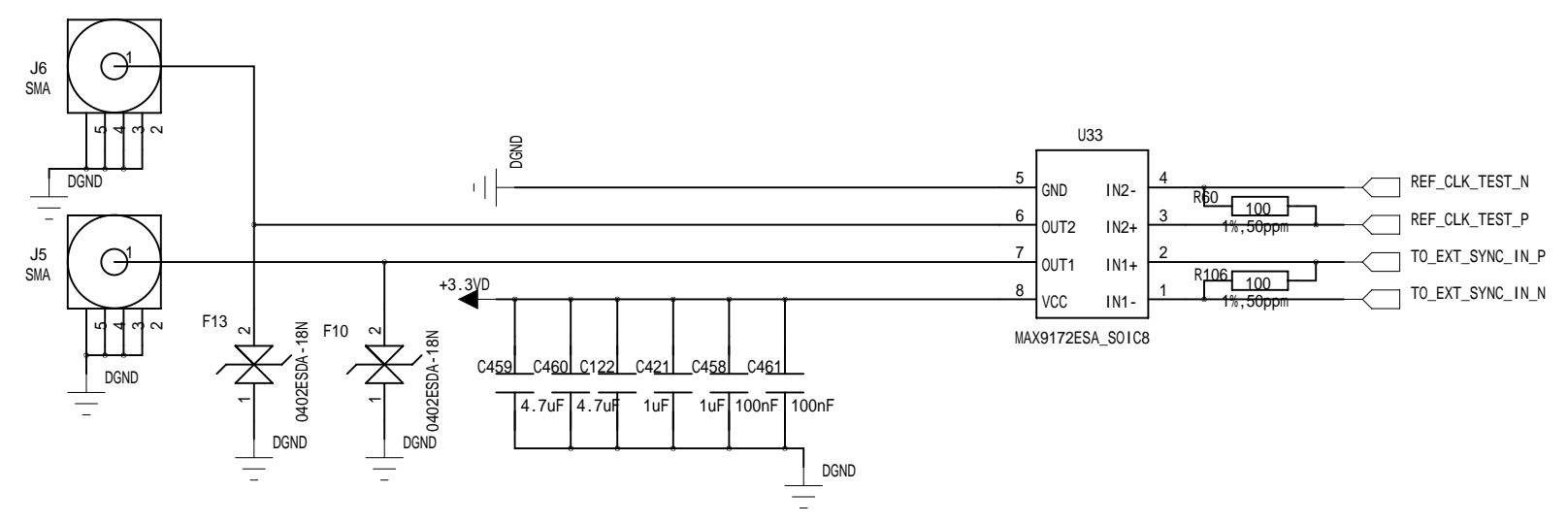
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IIIS		
K7DDS		
DRAWN: WangBo	DATED: 2023.11.03	SHEET: 24F 40







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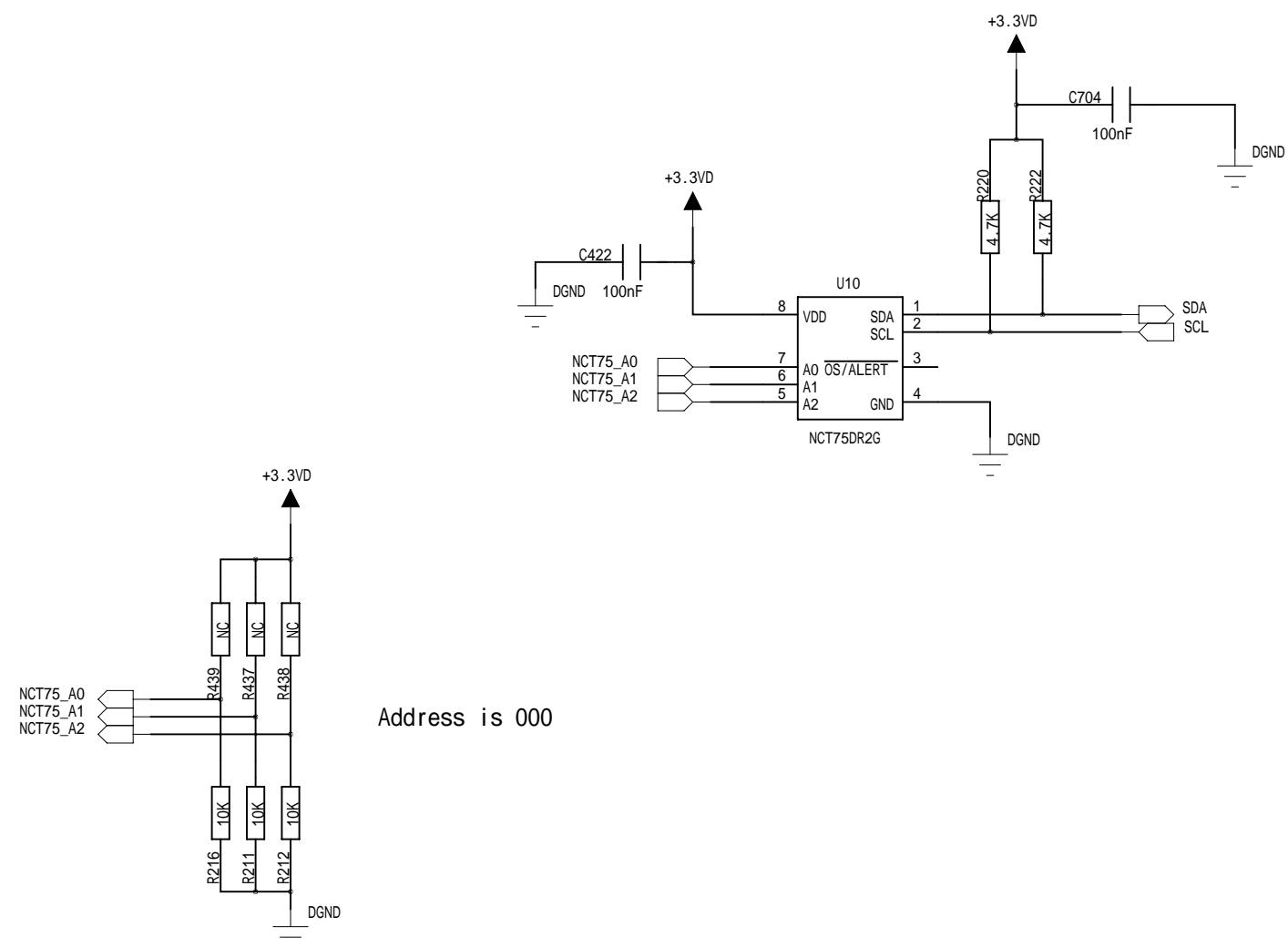
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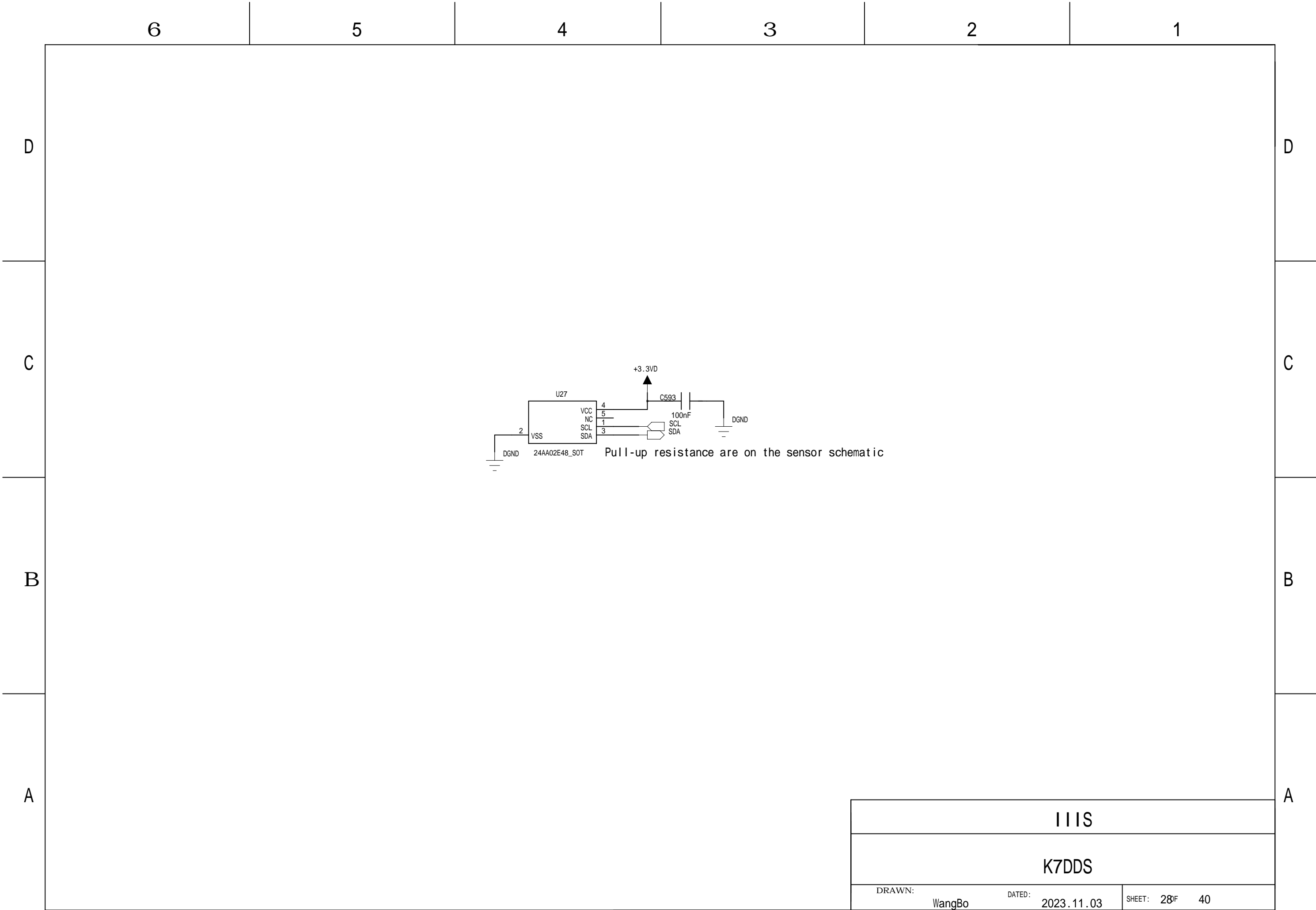
WangBo

DATED:

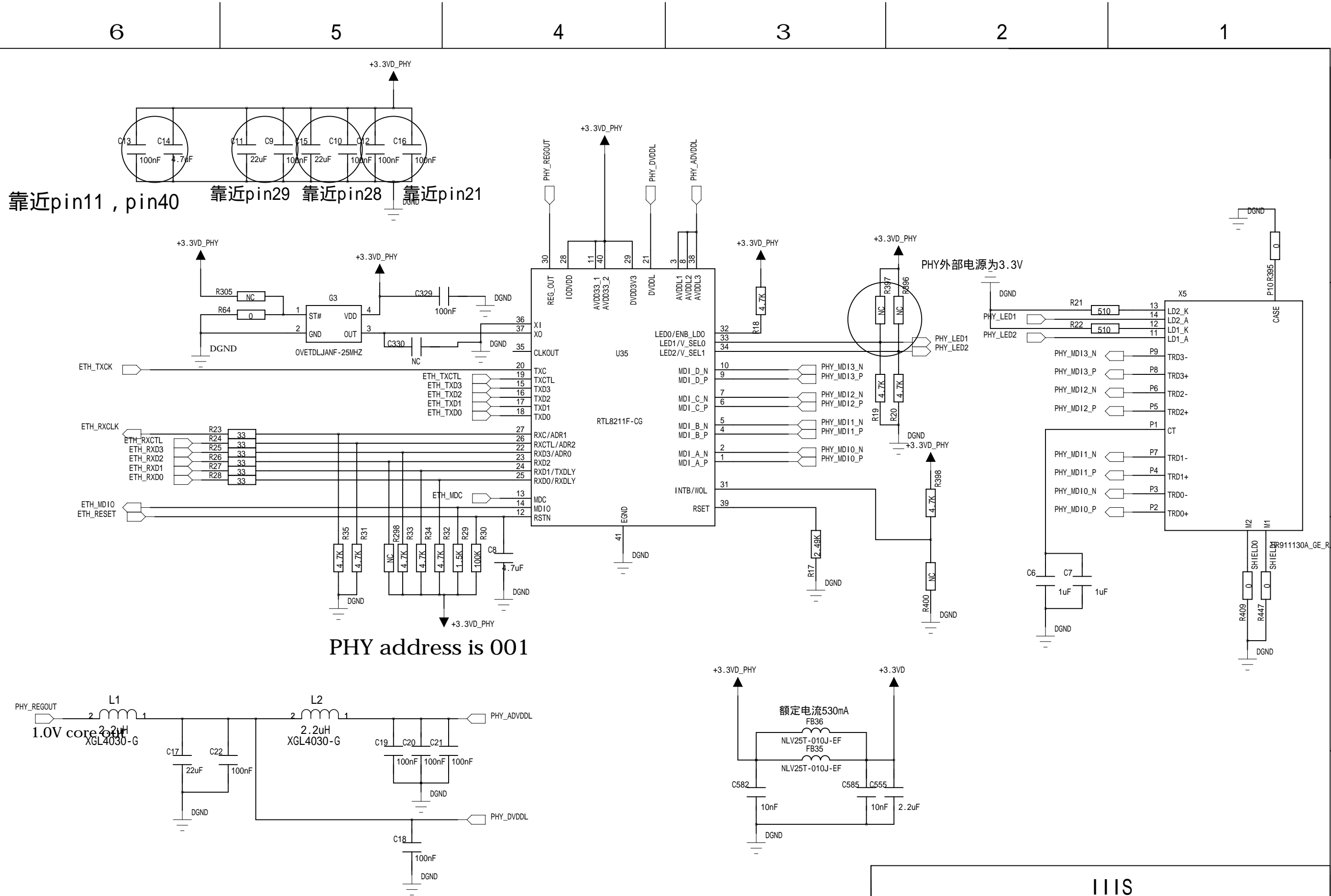
2023.11.03

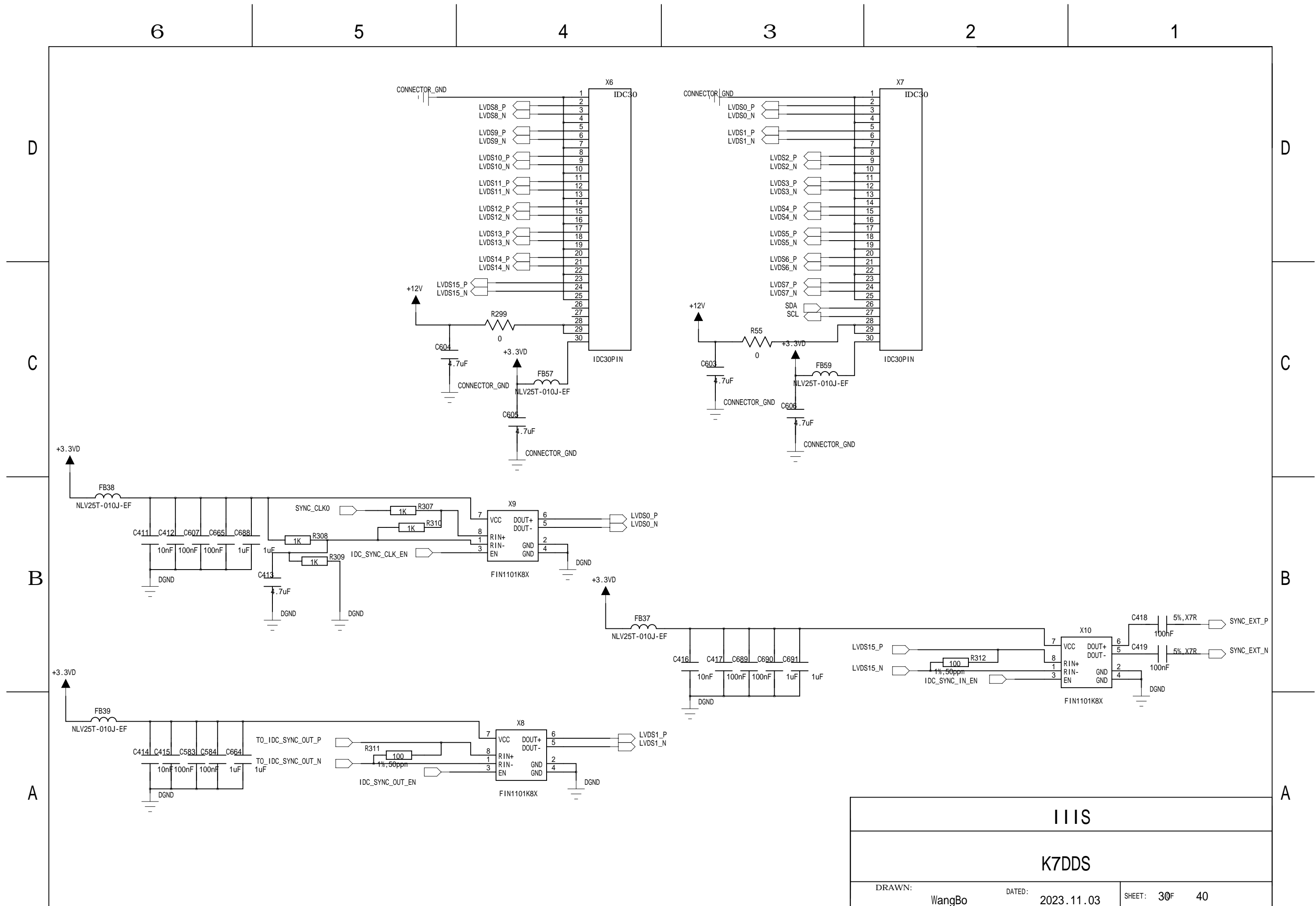
SHEET: 270F

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IIIS		
K7DDS		
DRAWN: WangBo	DATED: 2023.11.03	SHEET: 28 OF 40





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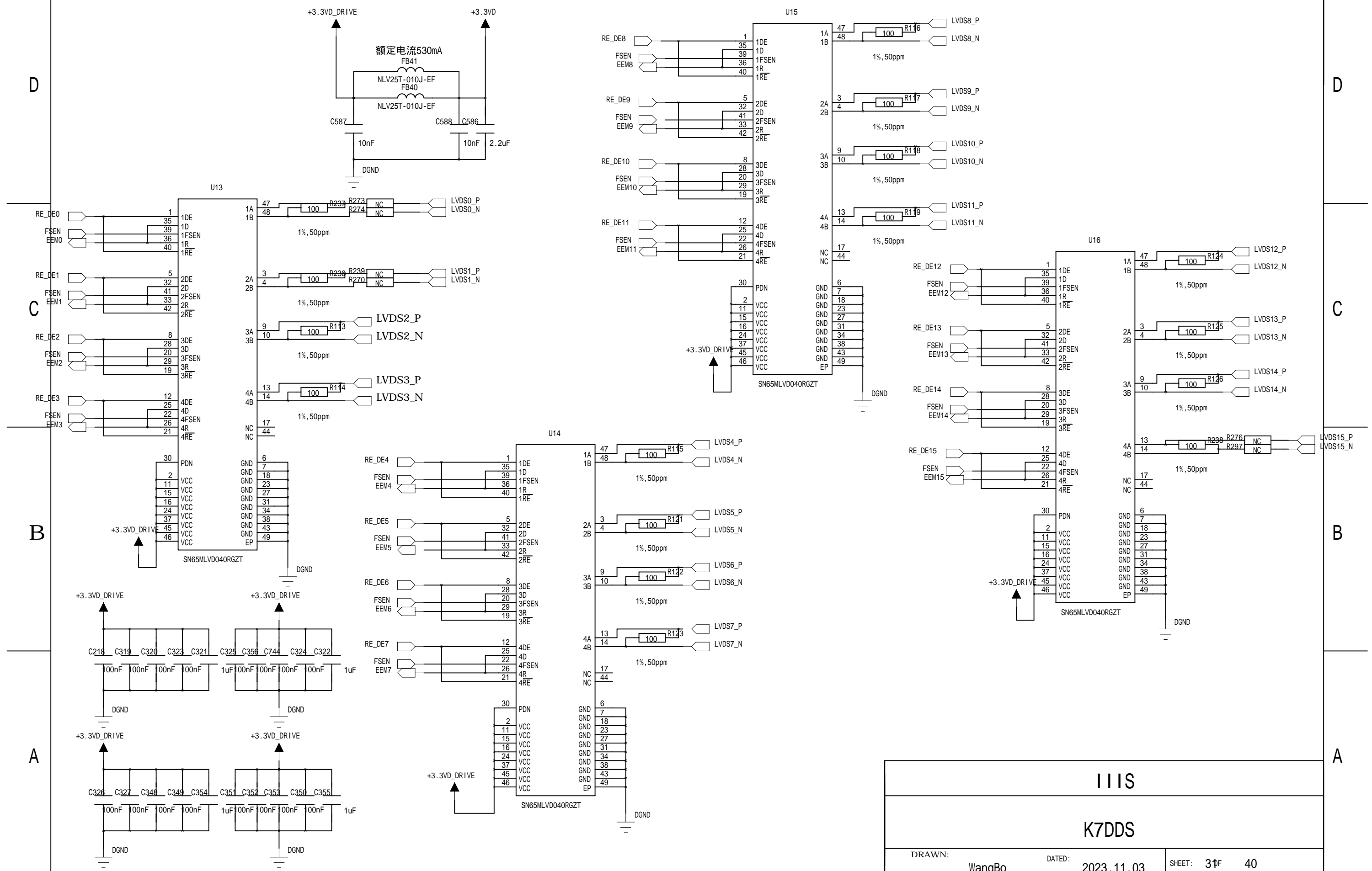
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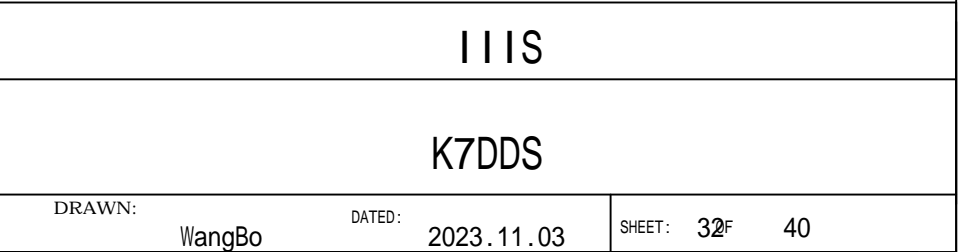
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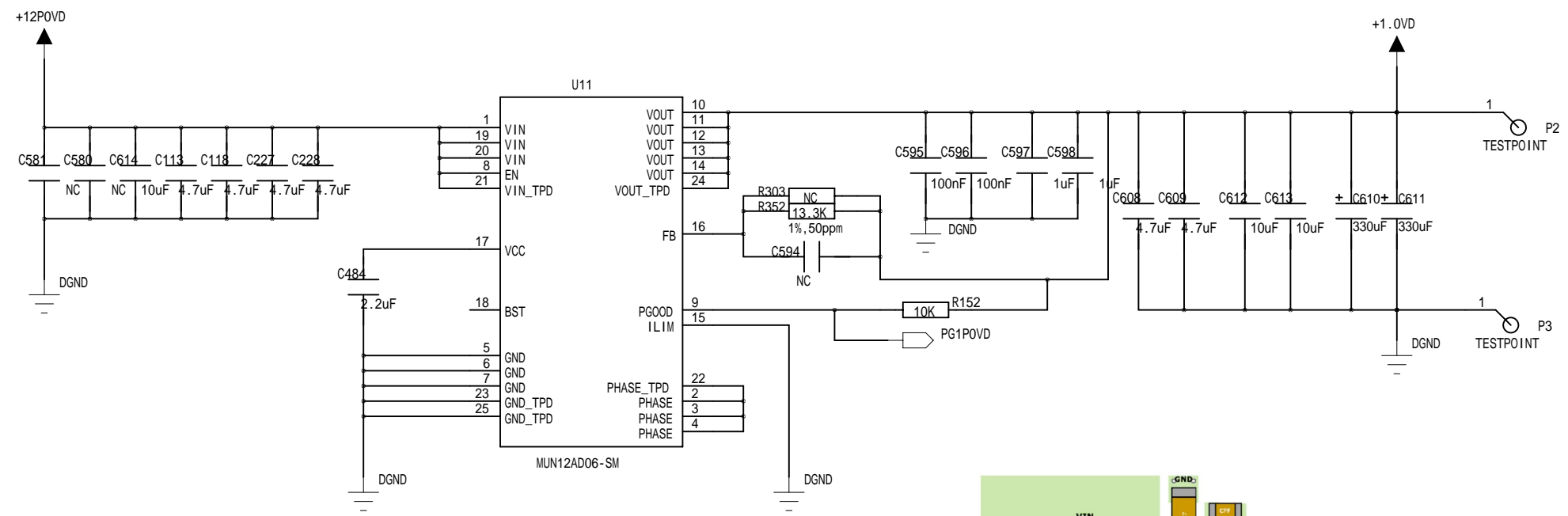
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$$V_{out}(V) = 0.6 \times \left( 1 + \frac{R_{FB}}{20K} \right)$$

Vout (V)	RFB(kΩ)
1.0	13.3(0.1%)
1.2	20.0(0.1%)
1.8	40.2(0.1%)
2.5	63.3(0.1%)
3.3	90.8(0.1%)
5.0	147(0.1%)

TABLE 1 Resistor values for common output voltages

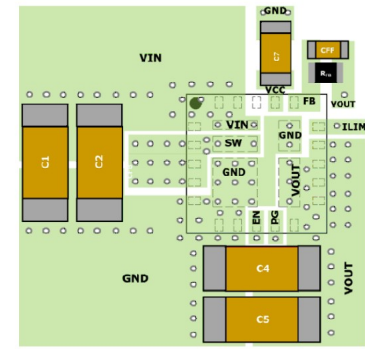
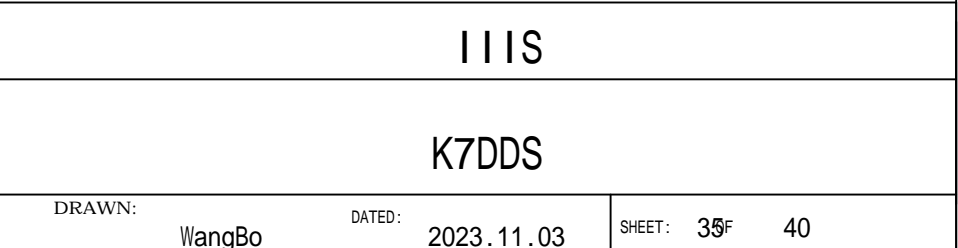


FIG.45 Recommendation Layout (Top)

IIIS

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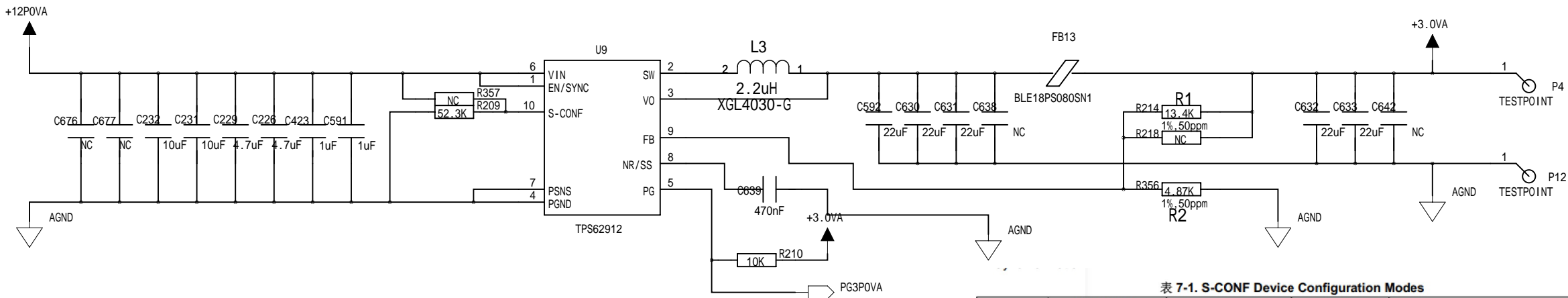
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$$R1 = R2 \times \left( \frac{V_{OUT}}{V_{FB}} - 1 \right) = R2 \times \left( \frac{V_{OUT}}{0.8V} - 1 \right)$$

表 7-1. S-CONF Device Configuration Modes

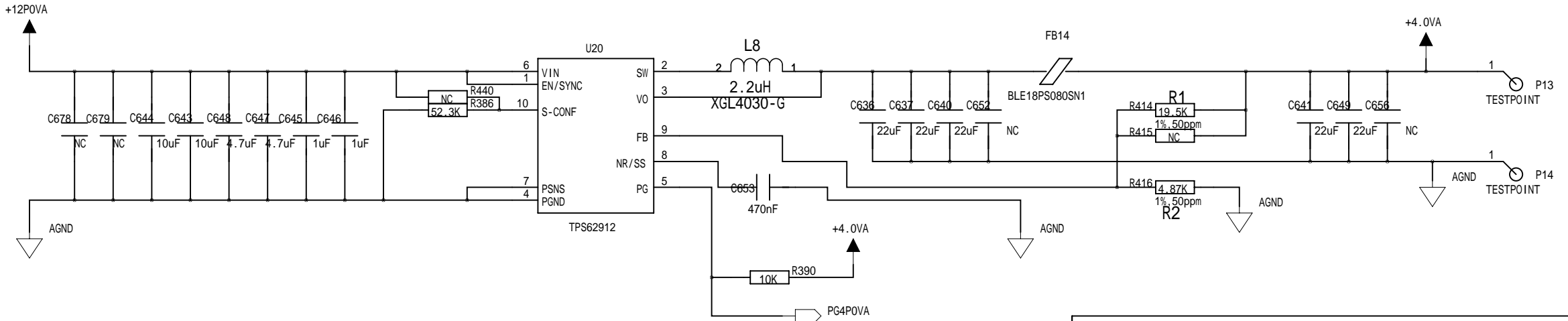
S-CONF	SWITCHING FREQUENCY	SPREAD SPECTRUM	OUTPUT DISCHARGE	SYNCHRONIZATION
VIN	2.2 MHz	OFF	OFF	No
GND	1 MHz	OFF	OFF	No
4.87 kΩ	2.2 MHz	OFF	OFF	1.9 MHz to 2.42 MHz
6.04k Ω	2.2MHz	Triangle	OFF	No
7.5 kΩ	2.2 MHz	Random	OFF	No
9.31 kΩ	1 MHz	OFF	OFF	0.9 MHz to 1.2 MHz
11.5k Ω	1MHz	Triangle	OFF	No
14.3 kΩ	1 MHz	Random	OFF	No
			Discharge On	
18.2 kΩ	2.2 MHz	OFF	ON	No
22.1 kΩ	1 MHz	OFF	ON	No
27.4 kΩ	2.2 MHz	OFF	ON	1.9 MHz to 2.42 MHz
34k Ω	2.2MHz	Triangle	ON	No
42.2 kΩ	2.2 MHz	Random	ON	No
52.3 kΩ	1 MHz	OFF	ON	0.9 MHz to 1.2 MHz
64.9k Ω	1MHz	Triangle	ON	No
80.6 kΩ	1 MHz	Random	ON	No

C

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B



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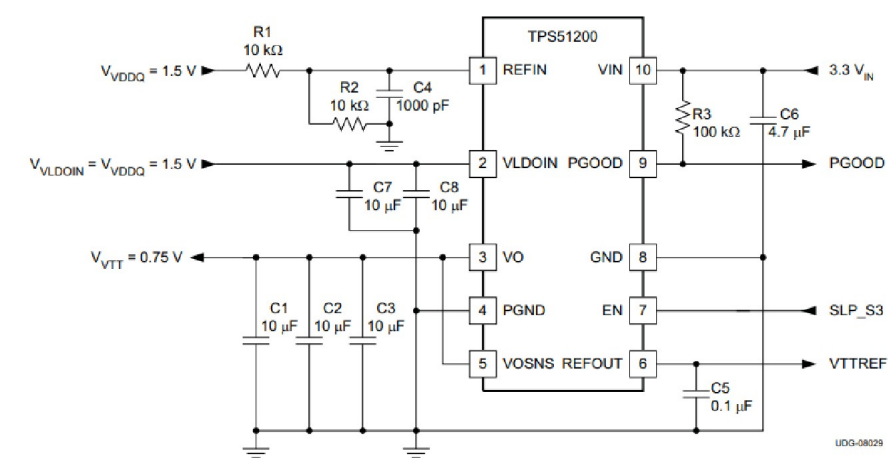
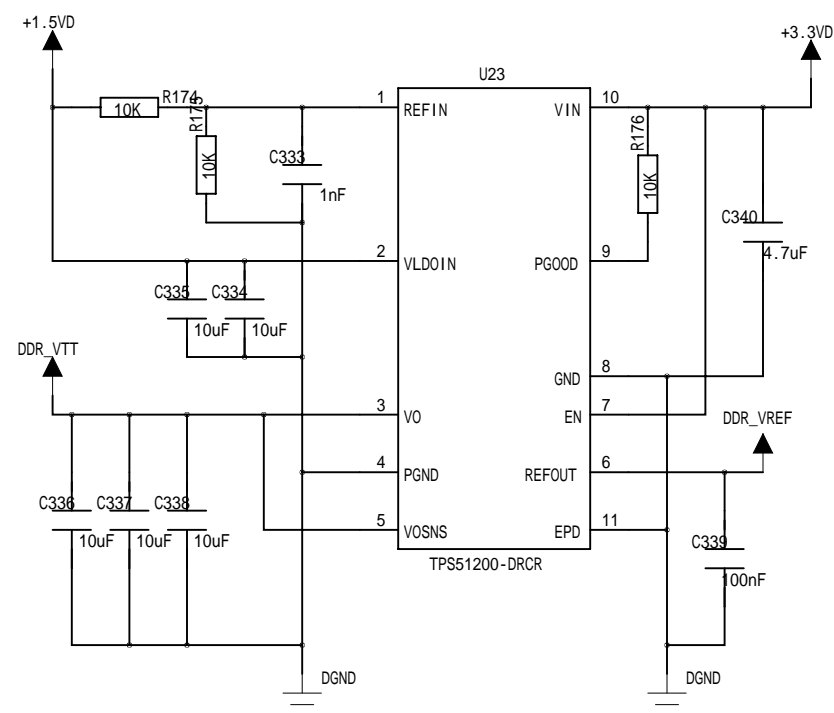
IIIS

K7DDS

DRAWN: WangBo

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SHEET: 36F 40



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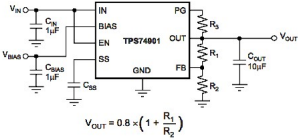
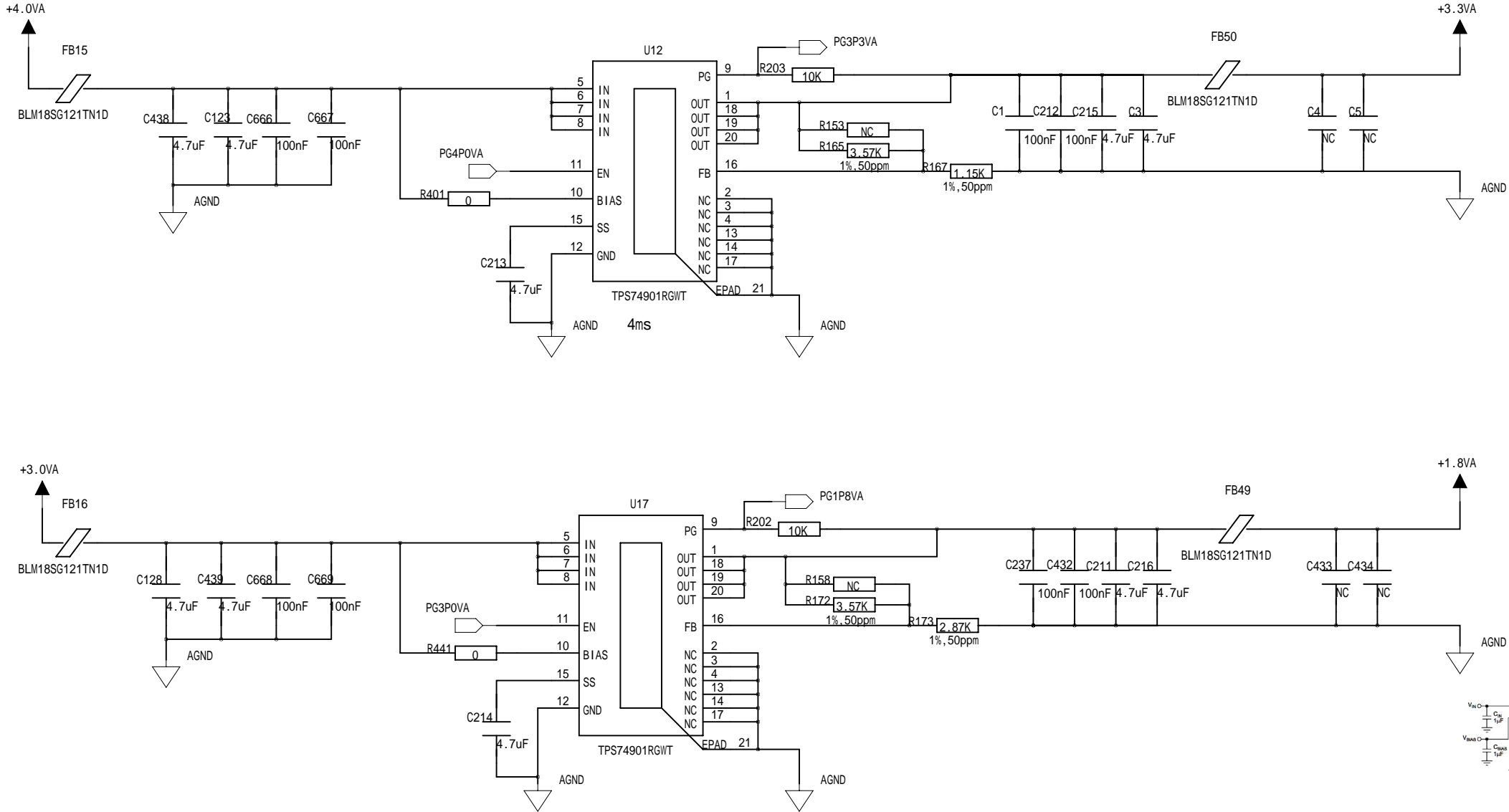
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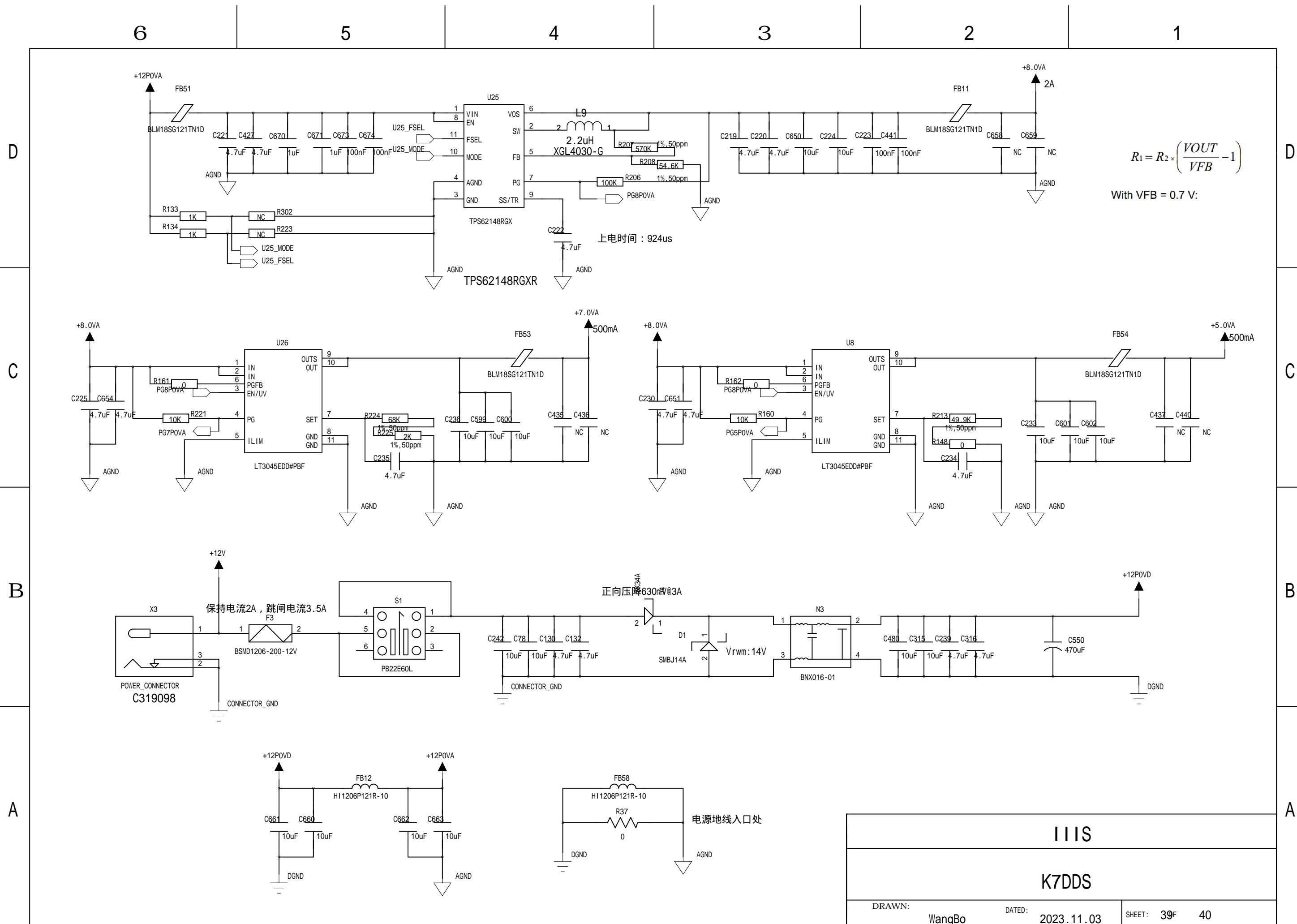
IIIS

K7DDS

DRAWN: WangBo

DATED: 2023.11.03

SHEET: 38F 40



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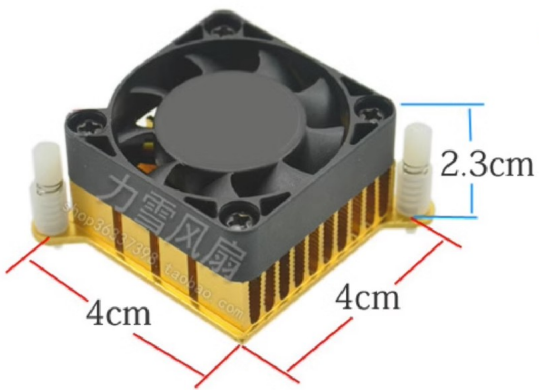
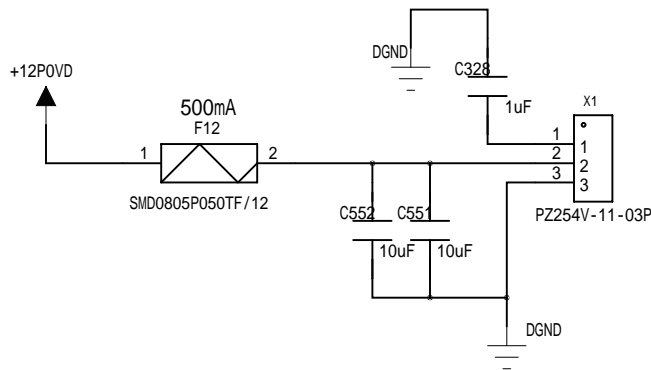
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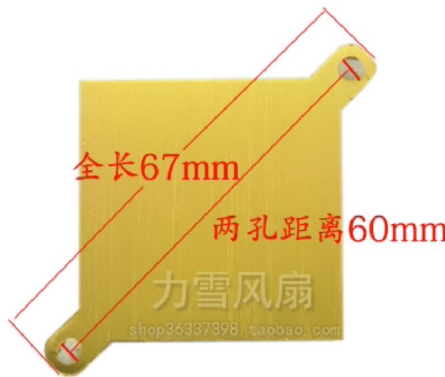
1

风扇电源



产品尺寸

长: 4cm  
宽: 4cm  
高: 2.3cm  
风扇厚1cm  
铝块厚1.3cm  
风扇线长: 22cm

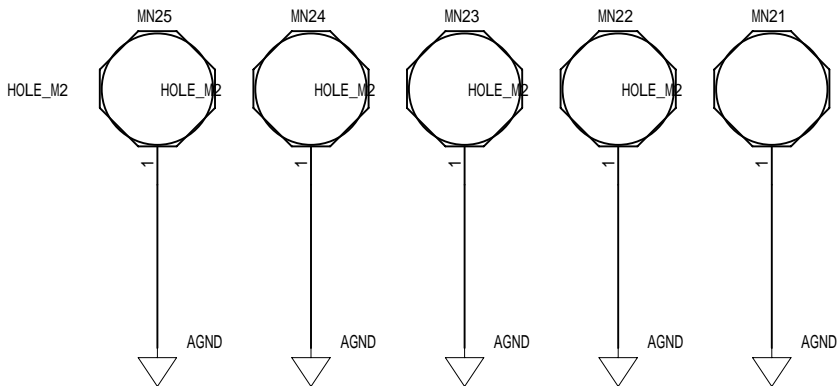
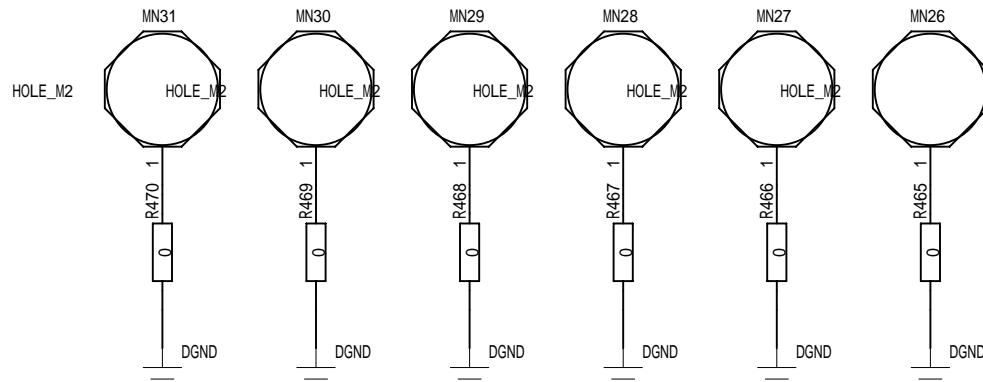
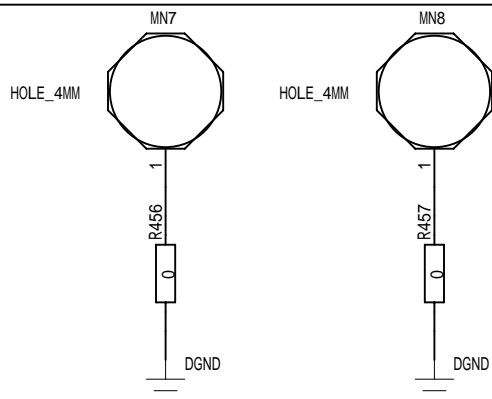
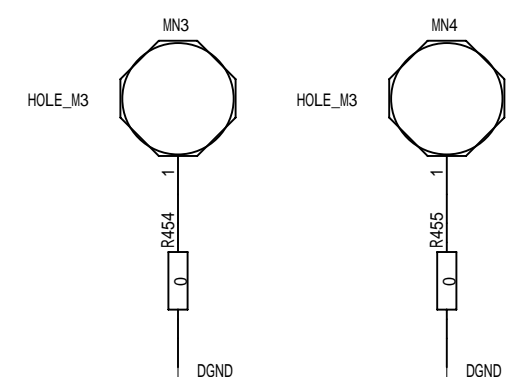
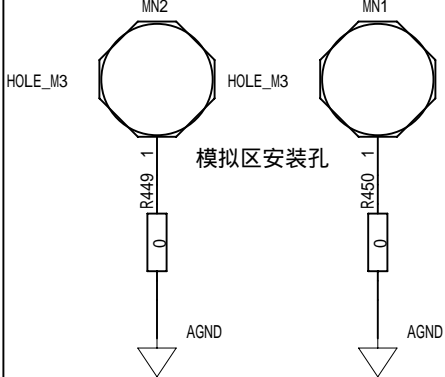
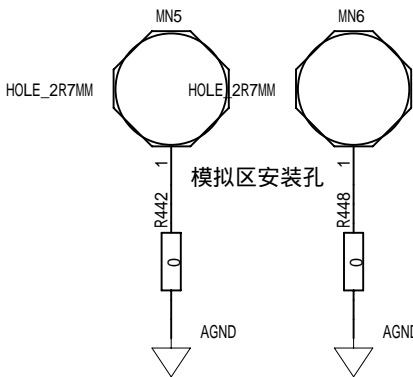


两孔距离60mm  
对角全长67mm

固定安装孔

散热板安装孔, 直径4mm

FPGA 31mmx31mm



IIIS

K7DDS

DRAWN:

WangBo

DATED:

2023.11.03

SHEET:

40F

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