PAGE 1	1-Title_Page
PAGE 2	2-Block_Diagram
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PAGE 7	7-Voltage_Reference
PAGE 8	8-Input
PAGE 9	9-AC9610D
PAGE 10	10-REF_CLK
PAGE 11	11-FMC1
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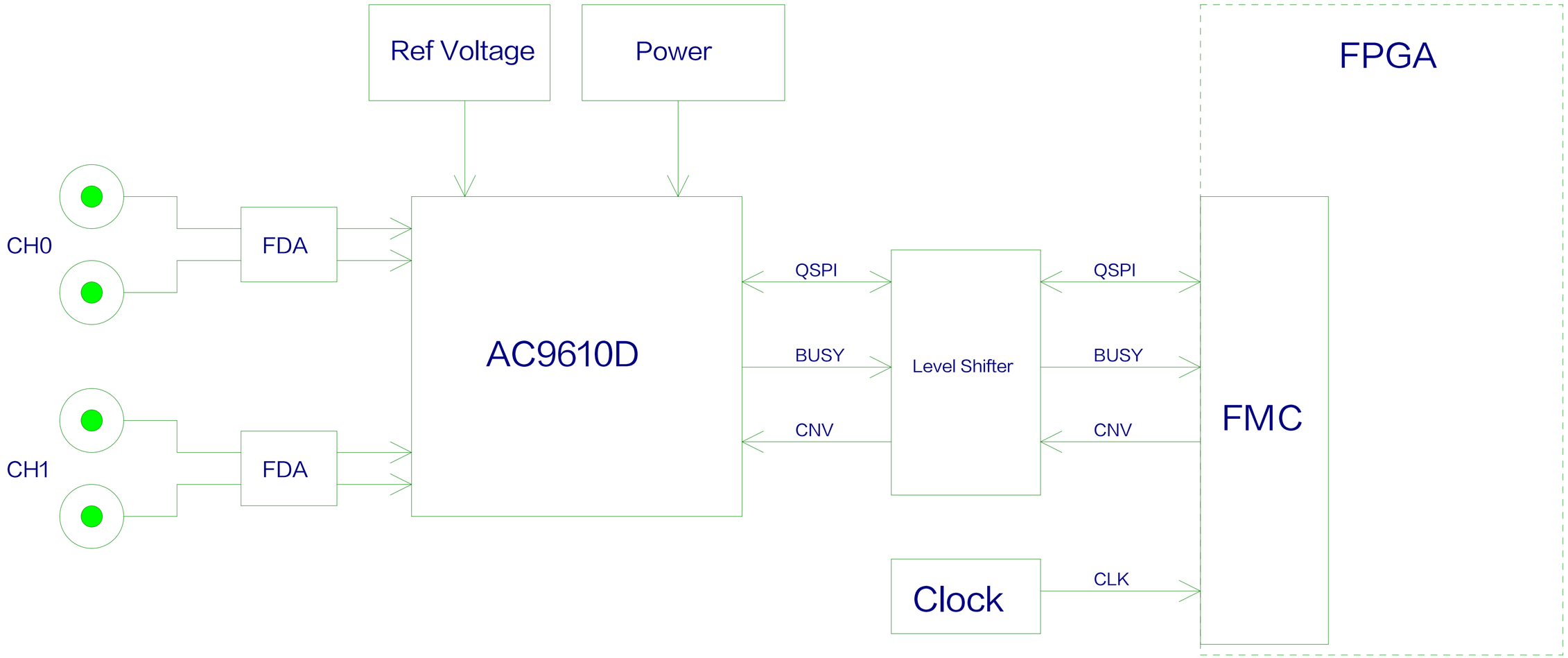
AC9610DEVB1B
VER.A

Evaluation board for AC9610D

The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
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REVIEWED	LISIXXXXX				
		VER	PART_NUMBER	SHEET 1 OF 14	
		A	03030001		

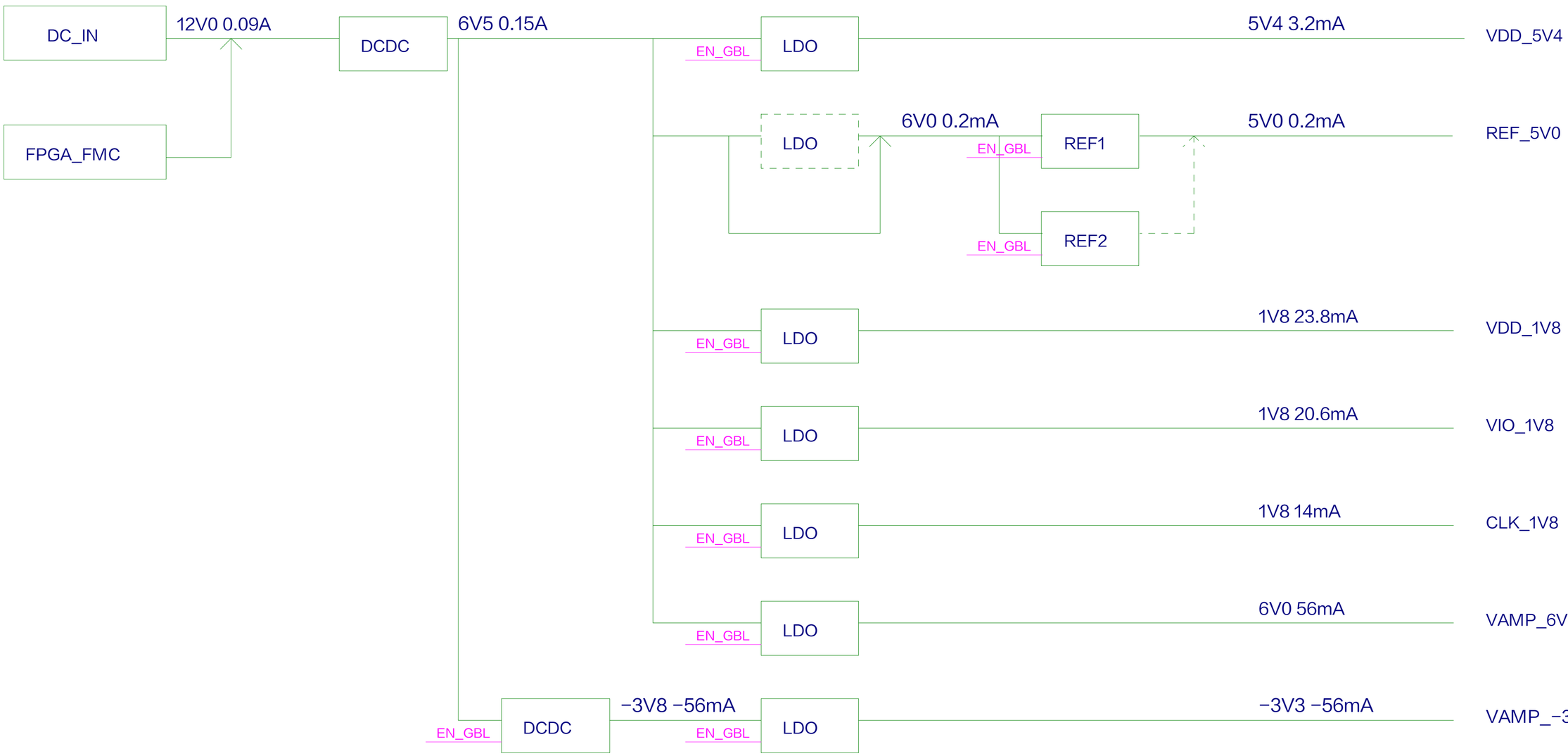
Block Diagram



The type and specification of the components refer to the BOM

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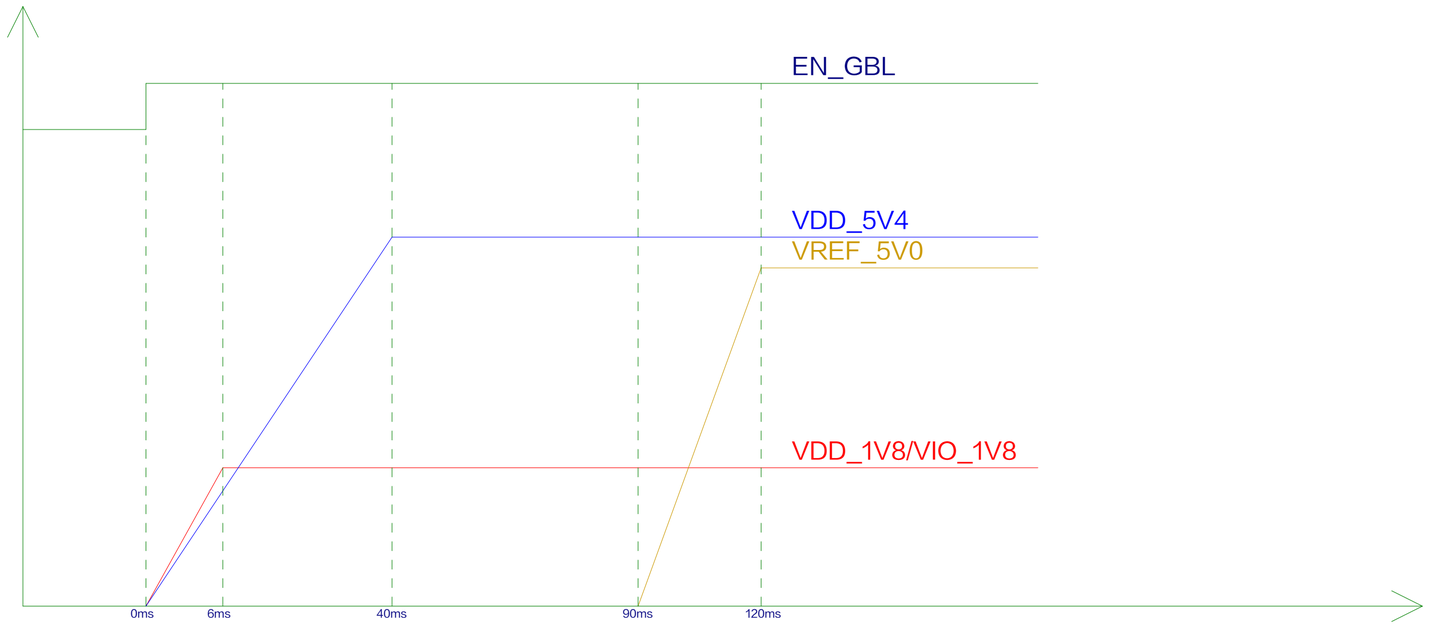
Power Tree

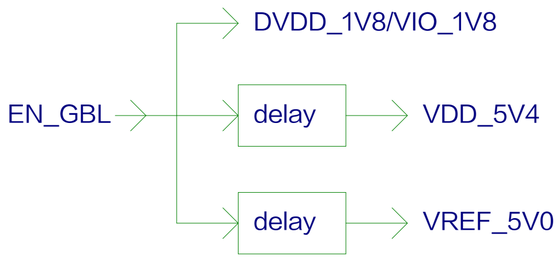


The type and specification of the components refer to the BOM

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Power_up_Sequence



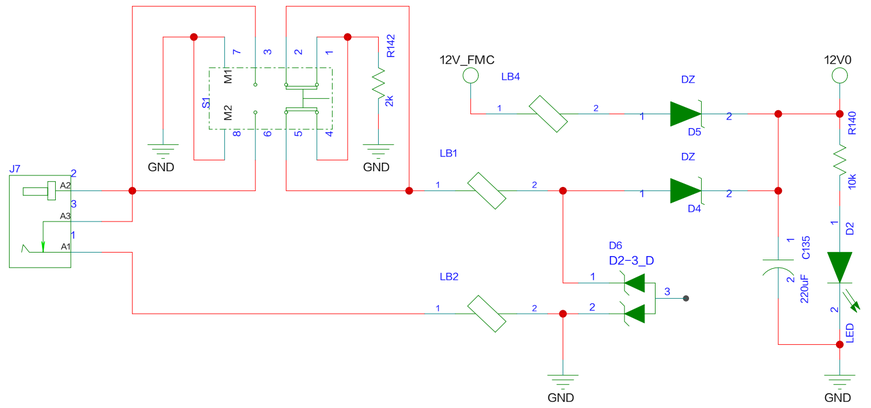


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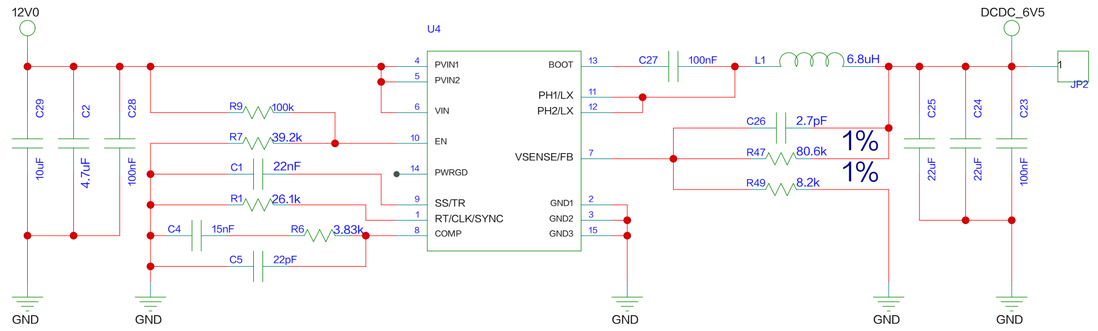
Power1

12V INPUT



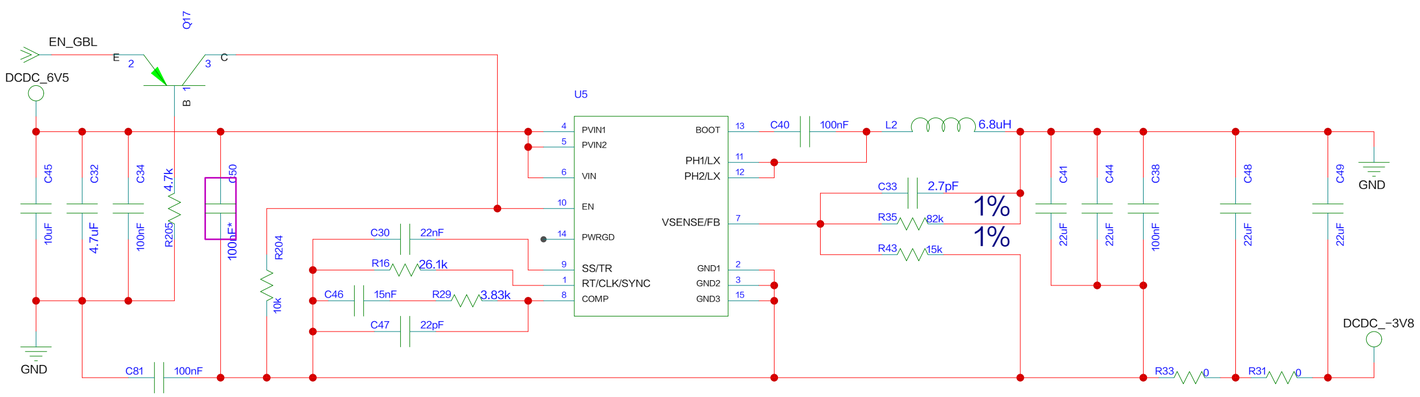
12V to 6V5(DCDC)

1.Vout1=0.6V*(1+80.6k/8.2k)=6.50V
2.Ir=0.09A
3.Imax=6A



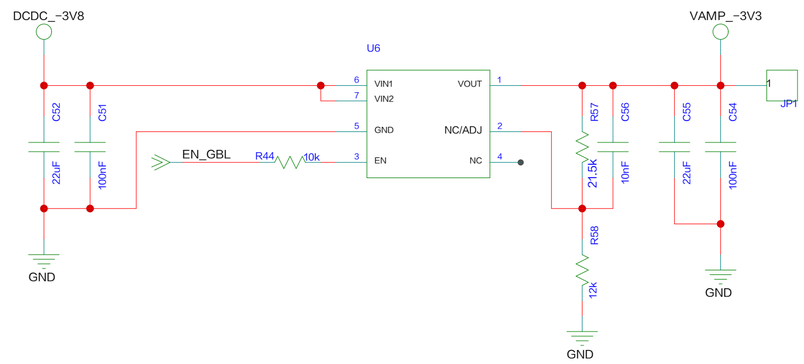
6V5 to −3V8(DCDC)

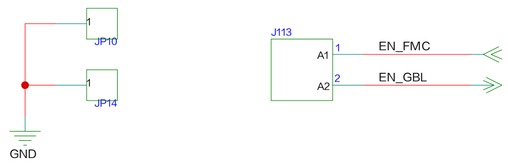
1.Vout1=−0.6V*(1+82k/15k)=−3.88V
2.Ir=−80mA
3.Imax=−3A



−3V8 to −3V3(LDO)

1.Vout=−1.2V*(1+21.5k/12k)=−3.35V
2.Ir=−80mA
3.Imax=−500mA





The type and specification of the components refer to the BOM

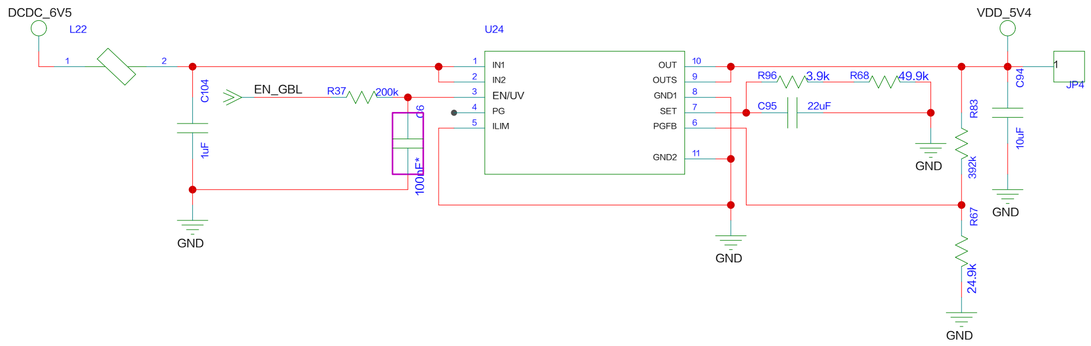
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REVIEWED	LISIXXXXX				
		VER	PART_NUMBER	SHEET 5 OF 14	
		A	03030001		

Power2

6V5 to VDD_5V4(LDO)

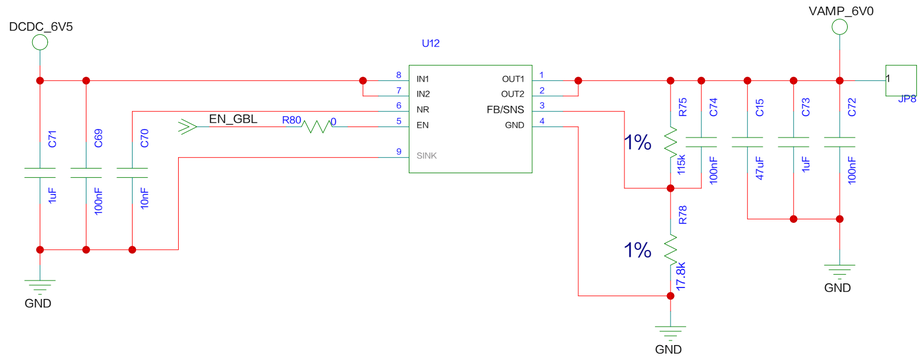
1.Vout= 100u*(49.9k+3.9k)=5.38V
2.Ir=3.2mA
3.Imax=500mA

Tss=40ms（fast start up）



6V5 to 6V0(LDO)

1.Vout=0.8V*(1+115k/17.8k)=5.97V
2.Ir=56mA
3.Imax=1A



6V5 to 1V8(LDO)

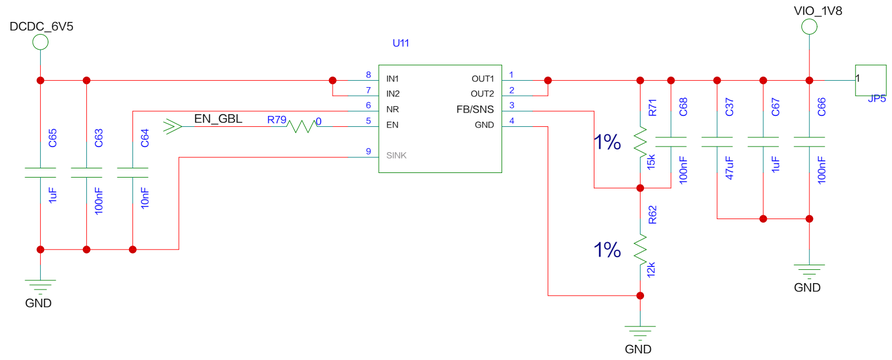
1.Vout=0.8V*(1+15k/12k)=1.8V
2.Ir=23.8mA
3.Imax=1A

6V5 to 1V8(LDO)

1.Vout=0.8V*(1+15k/12k)=1.8V
2.Ir=14mA
3.Imax=1A

6V5 to 1V8(LDO)

1.Vout=0.8V*(1+15k/12k)=1.8V
2.Ir=20.6mA
3.Imax=1A

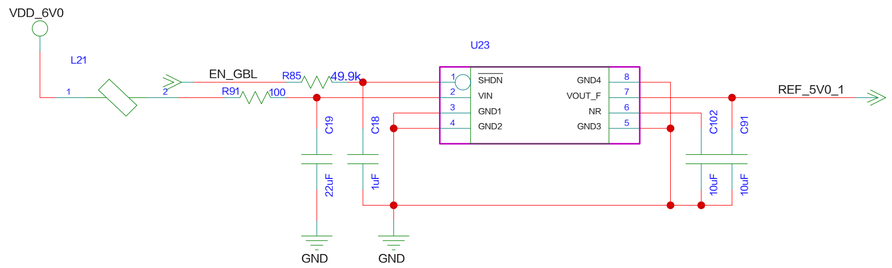


The type and specification of the components refer to the BOM

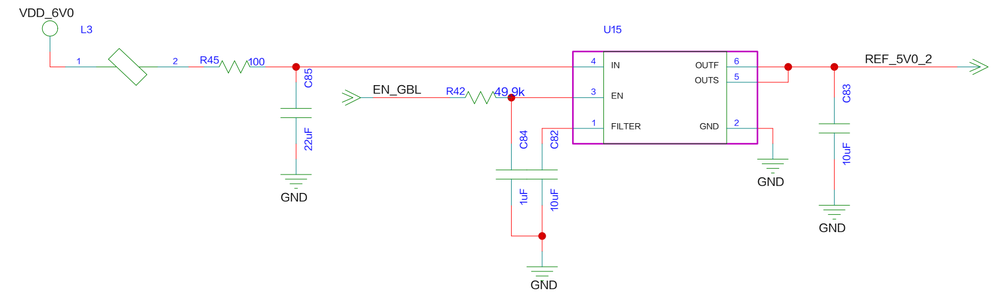
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		A	03030001		

Voltage Reference

6V0 to 5V0(REF1)

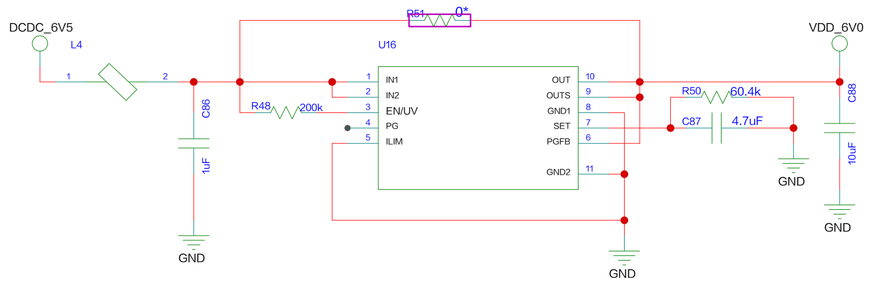


6V0 to 5V0(REF2)

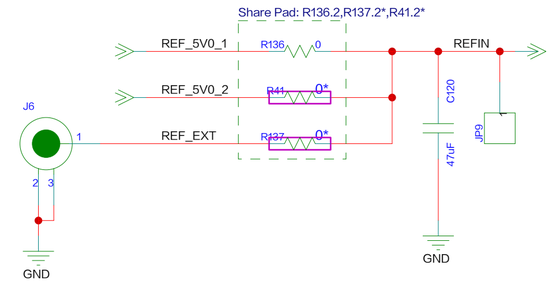


6V5 to VDD_6V0(LDO)

1.Vout= 100u*60.4k=6.04V
2.Ir=/mA
3.Imax=500mA



REF_Voltage_Select

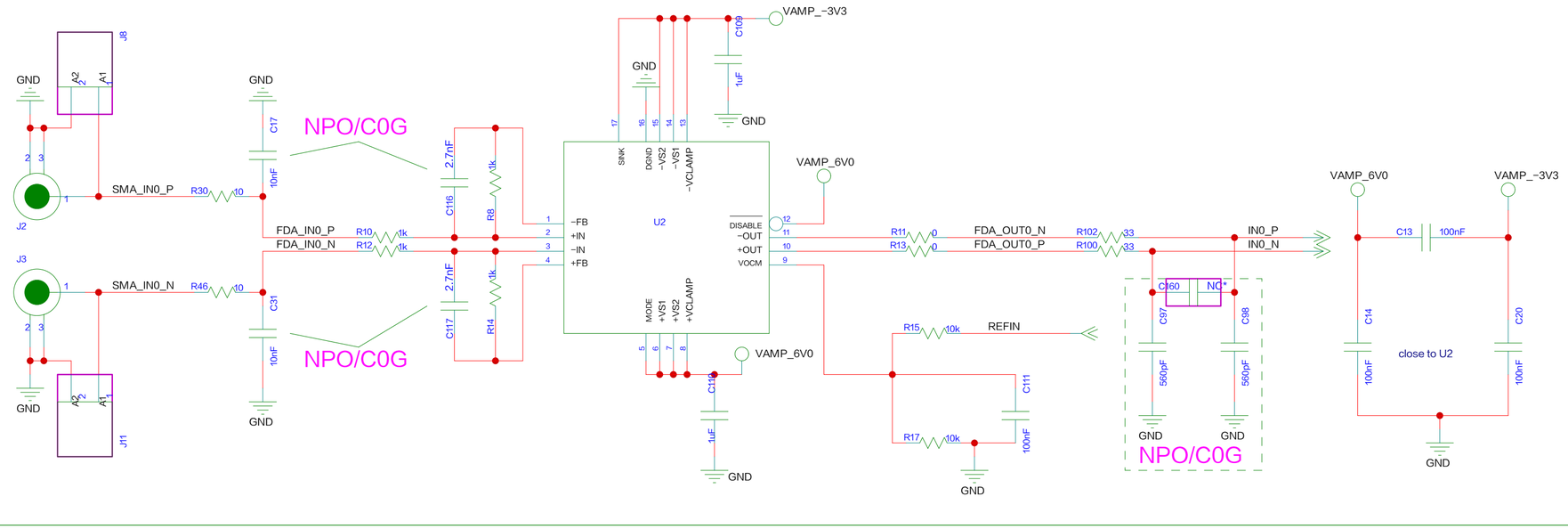


The type and specification of the components refer to the BOM

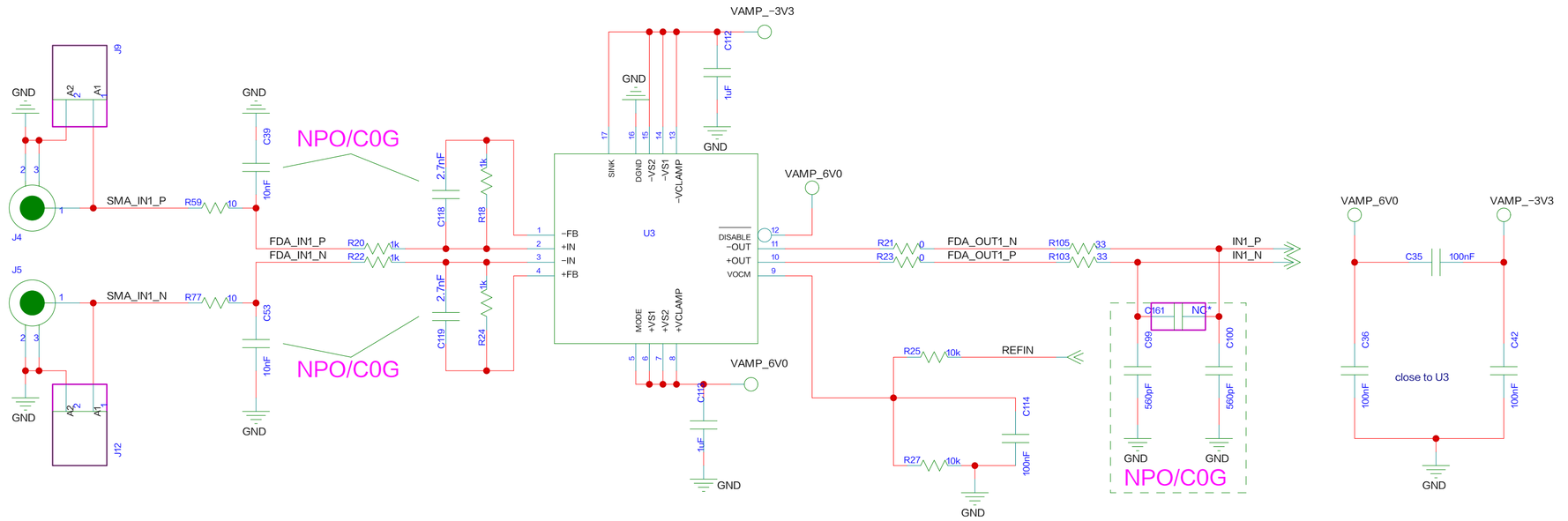
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DESIGNED	ZHANGSANXXXXX	AC9610DEVB1B		00001234	
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		VER	PART_NUMBER	SHEET 7 OF 14	
		A	03030001		

INPUT0

CH0



CH1

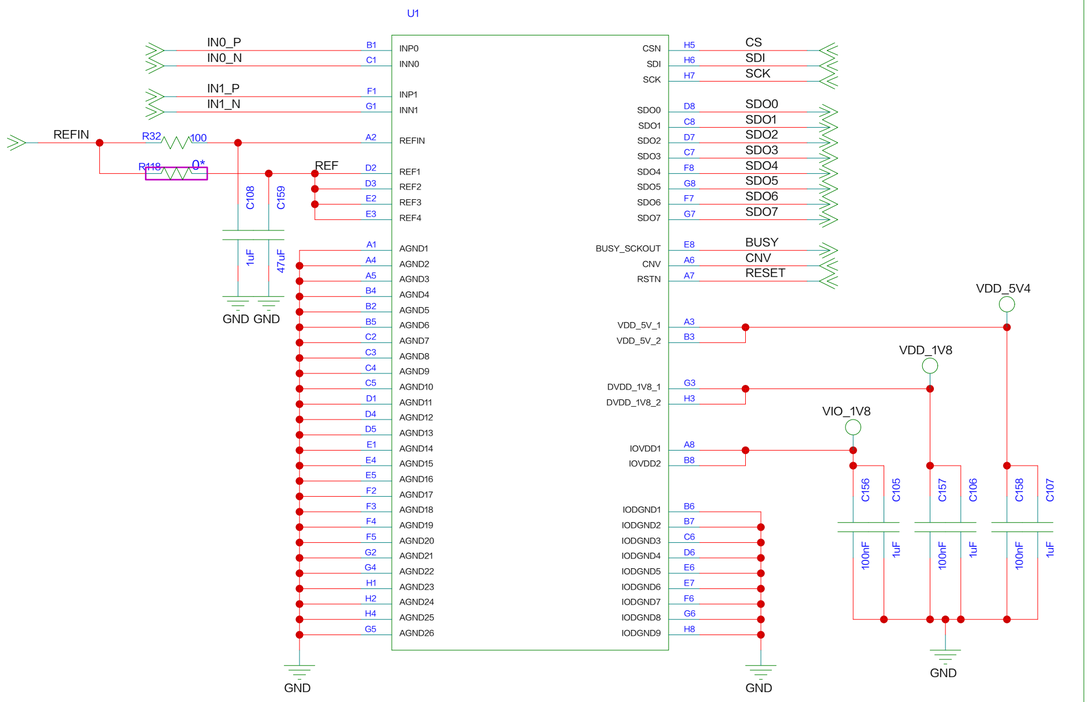


The type and specification of the components refer to the BOM

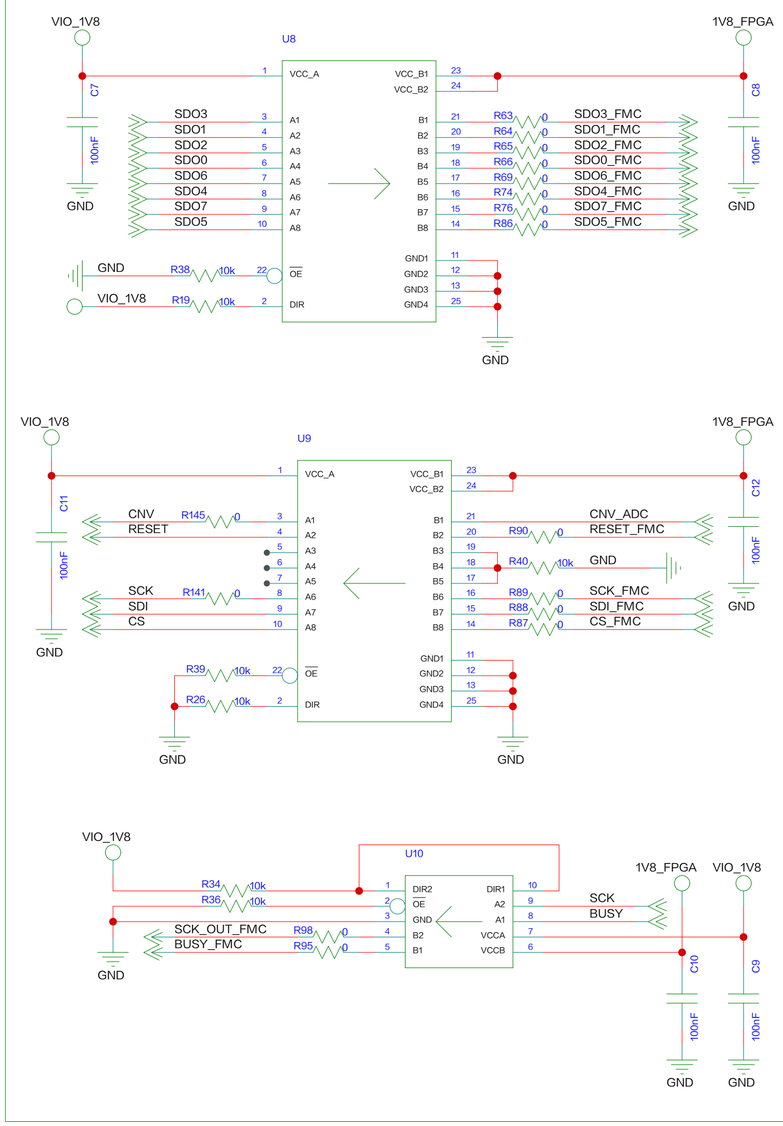
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		A	03030001		

AC9610D

AC9610D



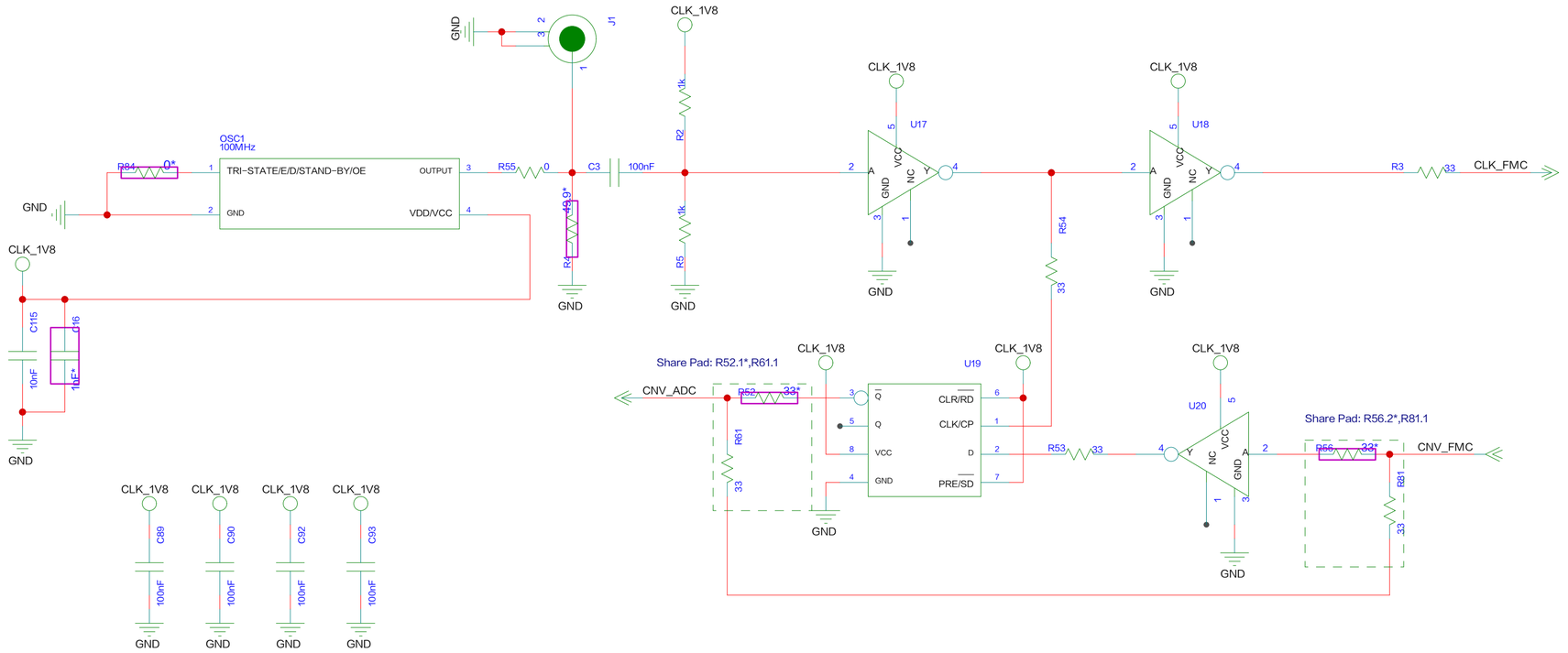
Level Shifter



The type and specification of the components refer to the BOM

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DESIGNED	ZHANGSANXXXXX	AC9610DEVB1B		00001234	
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		VER	PART_NUMBER	SHEET 9 OF 14	
		A	03030001		

REF_CLK



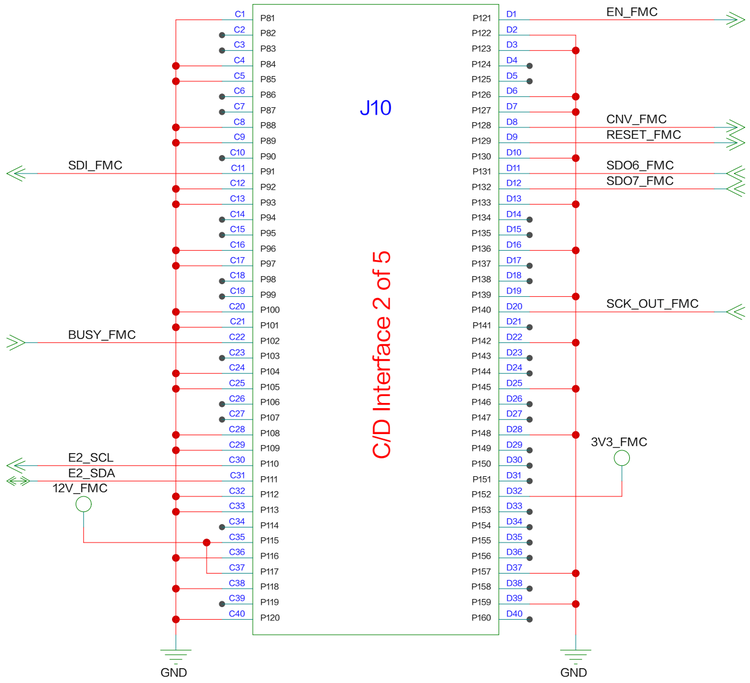
The type and specification of the components refer to the BOM

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		VER	PART_NUMBER	SHEET 10 OF 14	
		A	03030001	HUAWEI TECH CO.,LTD.	

FMC1

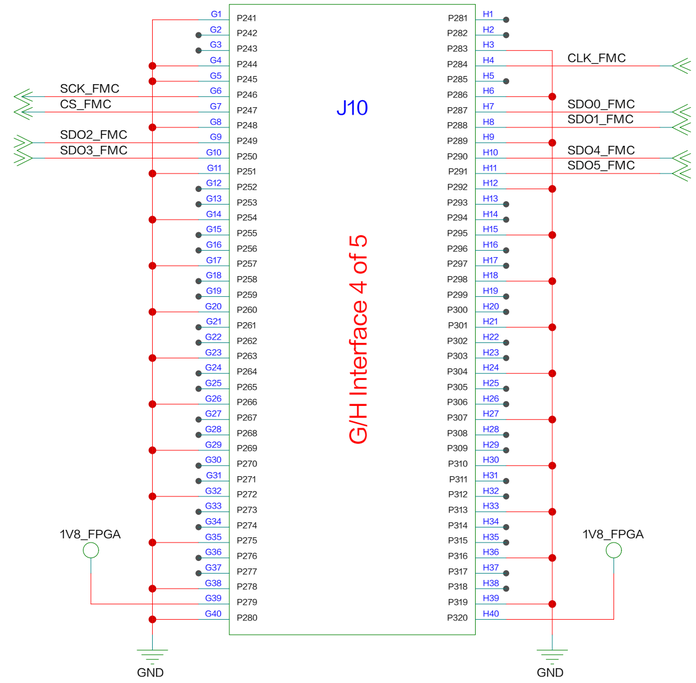
FMC_PART2

Compatible with LPC connectors



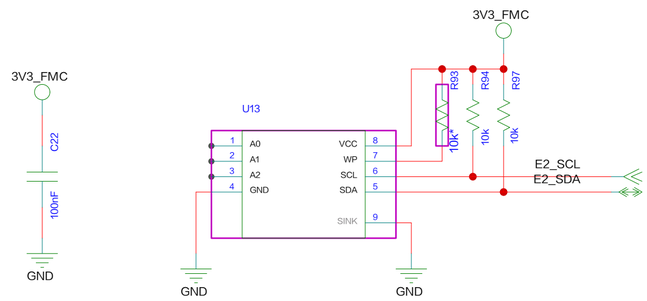
FMC_PART4

Compatible with LPC connectors



E2PROM

I2C Adress:0b1010000

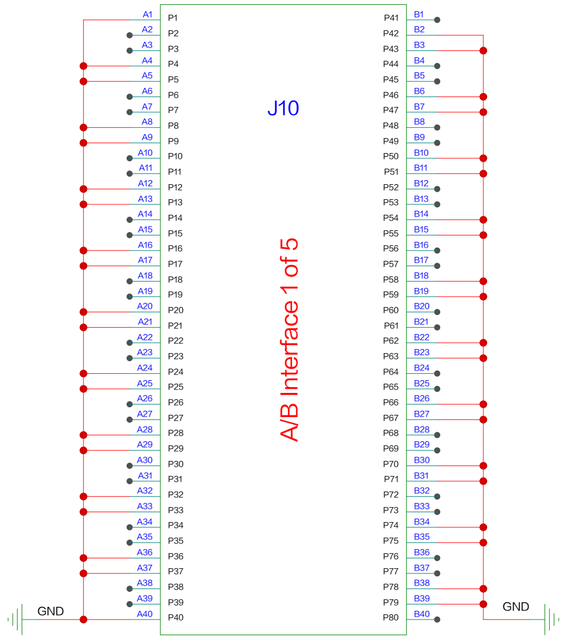


The type and specification of the components refer to the BOM

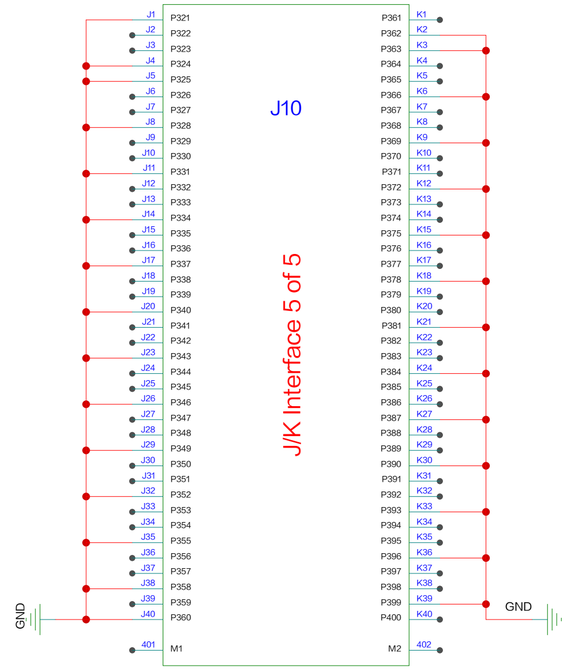
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FMC2

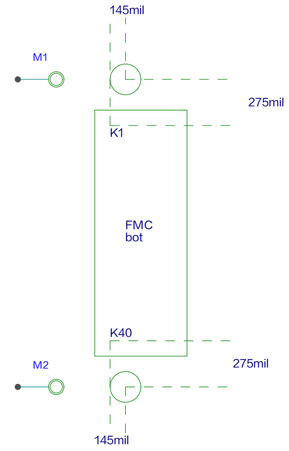
FMC_PART1



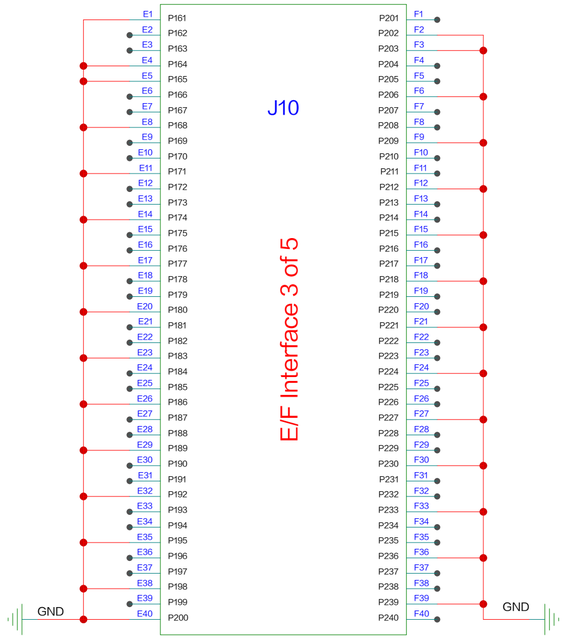
FMC_PART5



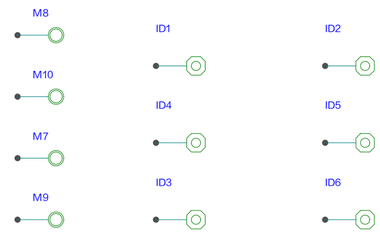
FMC_HOLE



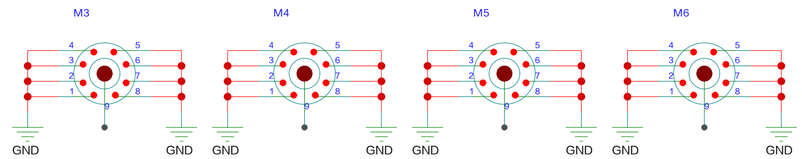
FMC_PART3



MARK_POINT



MOUNTING_HOLE



The type and specification of the components refer to the BOM

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REVIEWED	LISIXXXXX				
		VER	PART_NUMBER	SHEET 12 OF 14	
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