

List:

- 1.Cover
- 2.schematic updata
- 3.Block Daigram
- 4.Power
- 5.IMX185
- 6.IR_CUT
- 7.Connector

IMX185_MI_REFB VER.A

The type and specifcation of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	CHENYANG/00273622	IMX185_MI_REFB_VERA00001234			
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 1 OF 7	
		A	03030001	HUAWEI TECH CO.,LTD.	

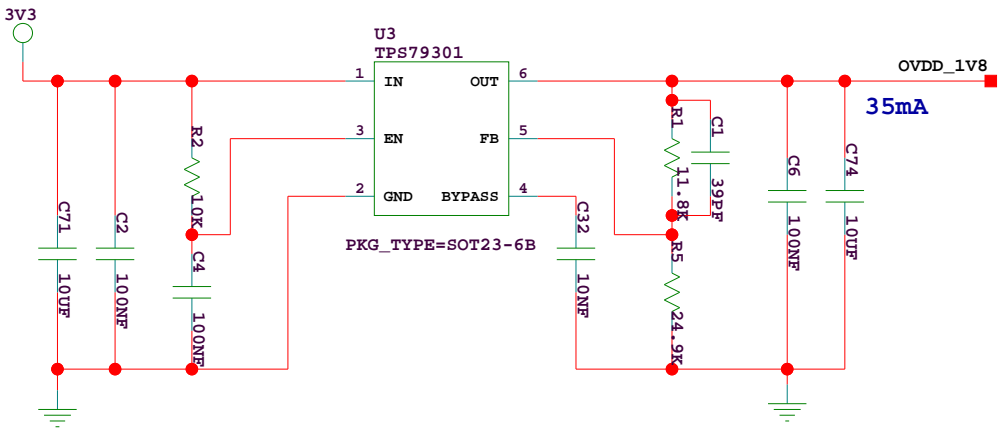
Block Daigram

The type and specification of the components refer to the BOM

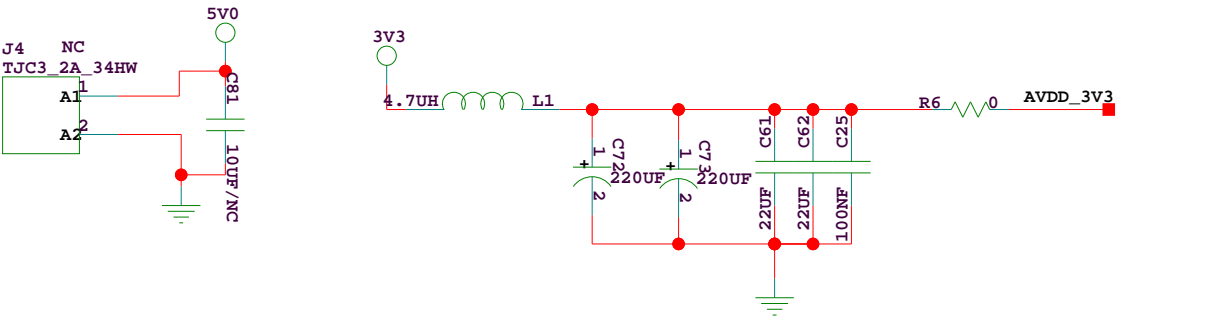
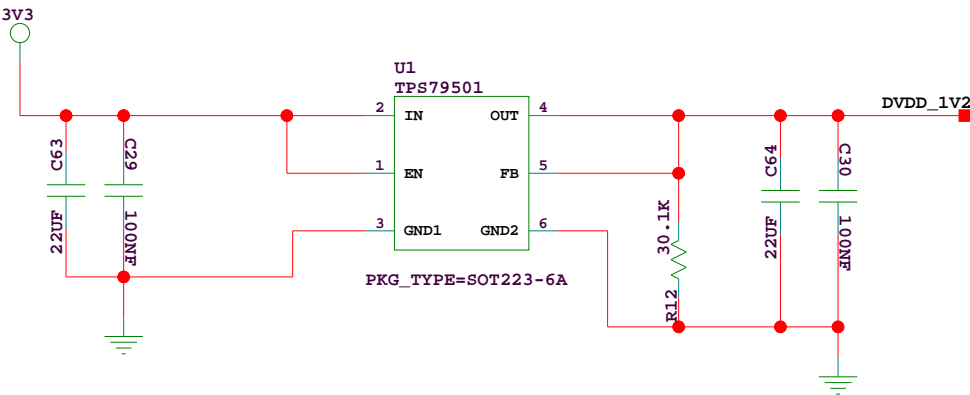
				NA	
				ECA NO	DATE
DESIGNED	CHENYANG/00273622	IMX185_MI_REFB_VERA 00001234			
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 2 OF 7	
		A	03030001	HUAWEI TECH CO.,LTD.	

Power

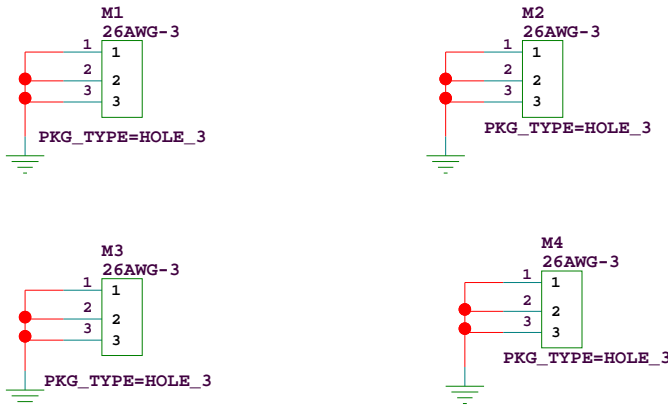
Sensor Interface Power



$$V_{out}=1.2246*(1+11.8k/24.9k)=1.804V$$
$$Delay_Time=-10k*100nf*ln[(3.3-2)/3.3]=930us$$



$$V_{out}=1.2246*(1+51k/30.1k)=3.299V$$



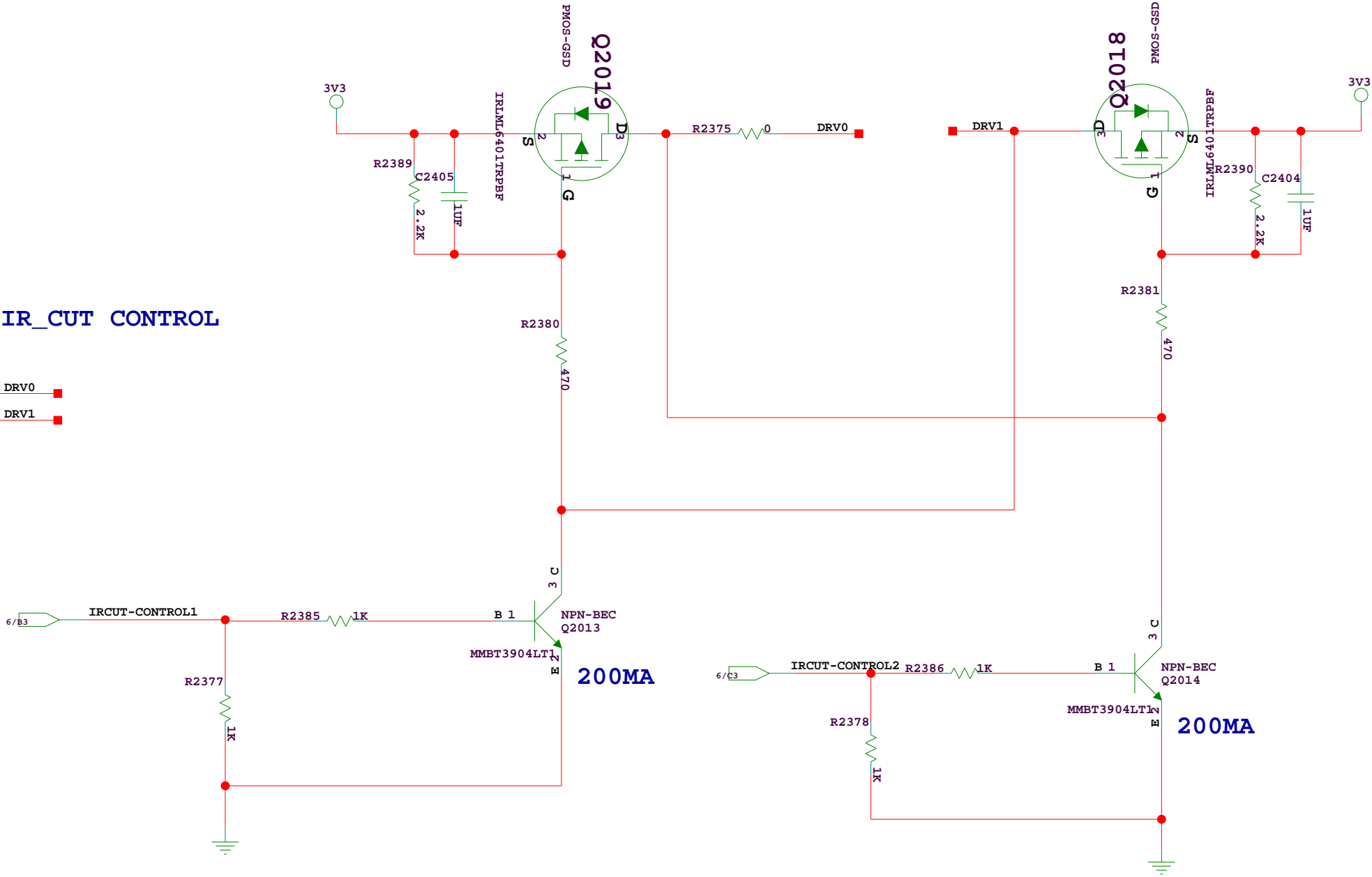
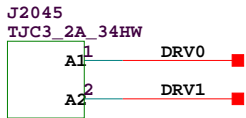
The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	CHENYANG/00273622	IMX185_MI_REFB_VERA 00001234			
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 3 OF 7	
		A	03030001	HUAWEI TECH CO.,LTD.	

IR_CUT

2 GPIOs to control this Driver

OUTPUT FOR IR_CUT CONTROL

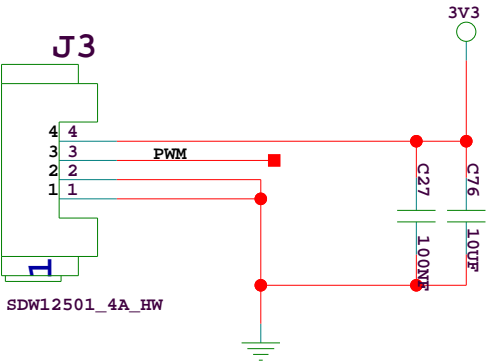
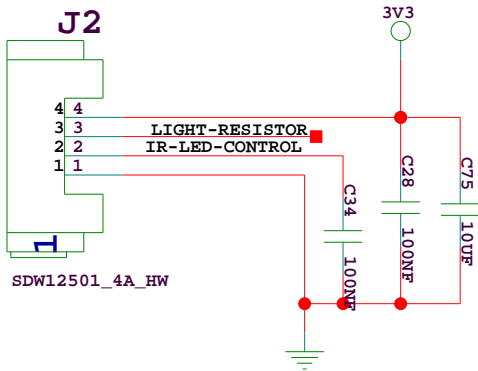
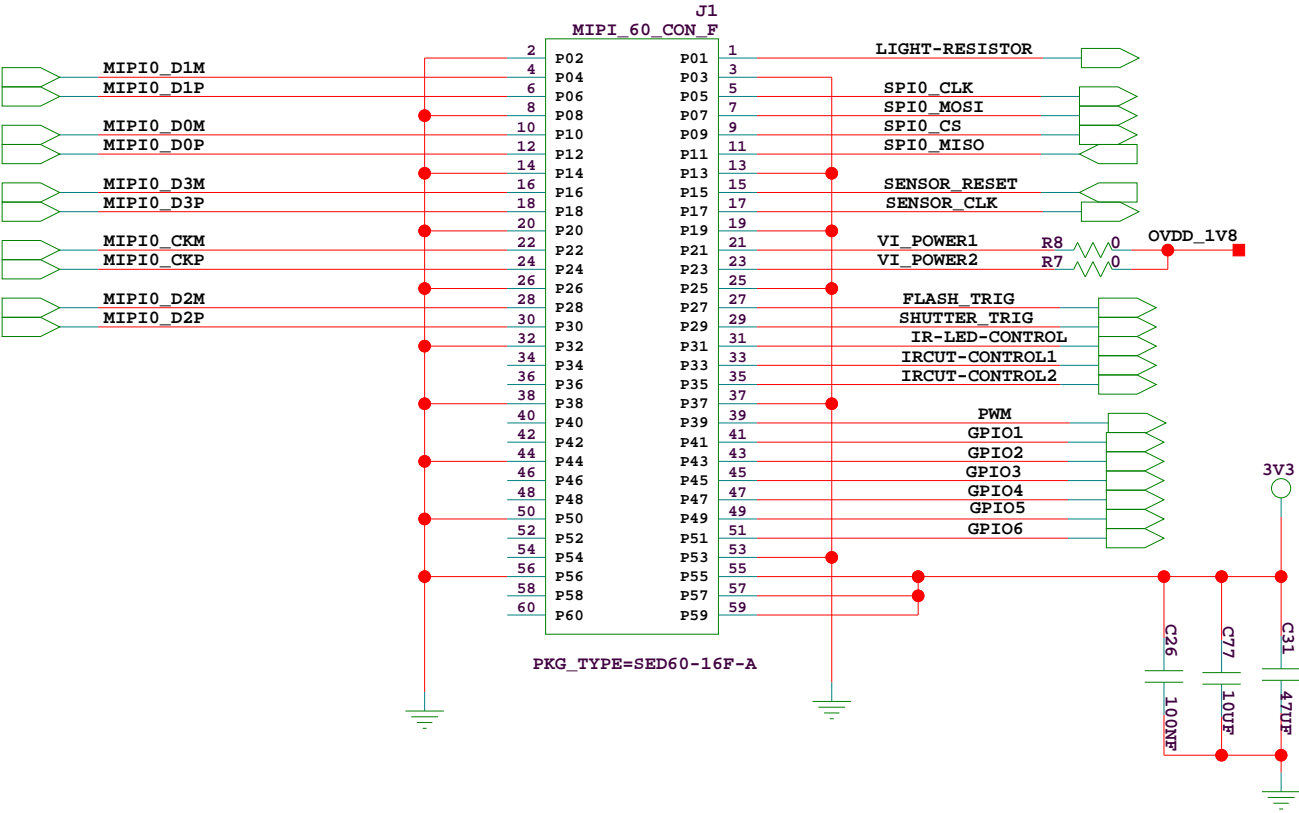


IR_CUT_CONTROL1	IR_CUT_CONTROL2	State
0	0	Initial
0	1	DRV1--->DRV0
1	0	DRV0--->DRV1
1	1	Error

The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	CHENYANG/00273622	IMX185_MI_REFB_VERA 00001234			
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 5 OF 7	
		A	03030001	HUAWEI TECH CO.,LTD.	

Connector



The type and specification of the components refer to the BOM

			NA	ECA NO	DATE
DESIGNED	CHENYANG/00273622	IMX185_MI_REFB_VERA00001234			
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 6 OF 7	
		A	03030001	HUAWEI TECH CO.,LTD.	