

A

A

B

B

C

C

D

D

Who	VER	Data	Discription
liuqin	Ver.C	2014-07-02	Change the 60PIN-MIPI connector to Hirose's

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MN34220_LVDS_REFB_VER.C

The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	MN34220_LV_REFB_VERA		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 1 OF 7	
		A	03030001	HUAWEI TECH CO.,LTD.	

	1	2	3	4	5	6
A	Block Daigram					
B						
C						
D				The type and specification of the components refer to the BOM		
					NA	
					ECA NO	DATE
	DESIGNED	ZHENGYUNFENG221937	@NAME=MN34220_LV_REID001234			
	REVIEWED	LISI XXXXX				
			VER	PART_NUMBER	SHEET	@SHEET=2 @SHEETTOTAL=
			A	03030001	HUAWEI TECH CO.,LTD.	

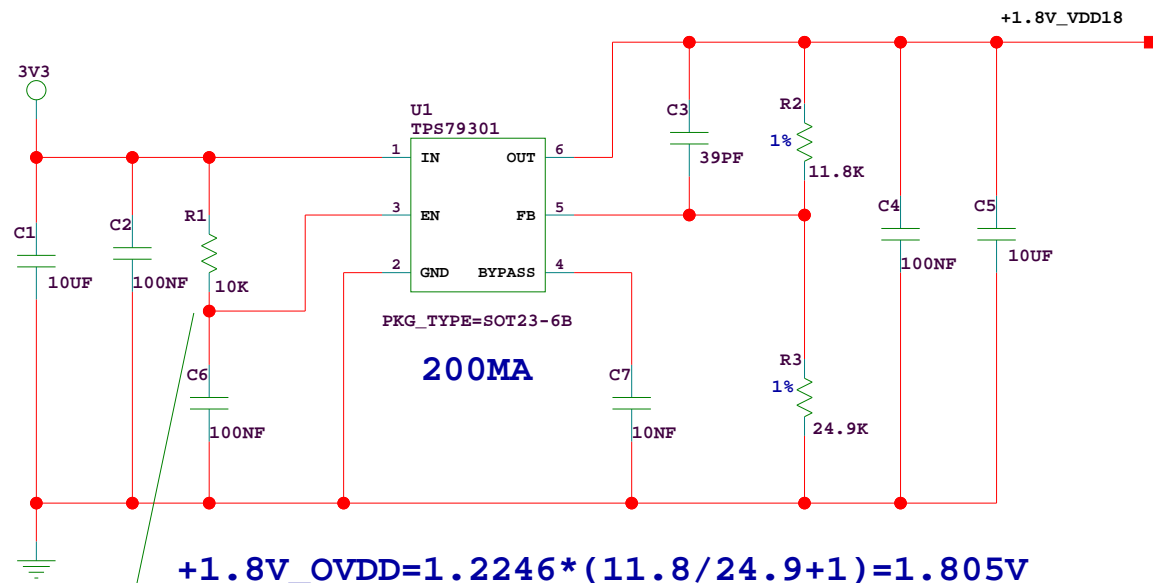
MN34220 Power Tree

The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	ZHENGYUNFENG221937	@NAME=MN34220_LV_REID001234			
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET	@SHEET=3 @SHEETTOTAL=
		A	03030001	HUAWEI TECH CO.,LTD.	

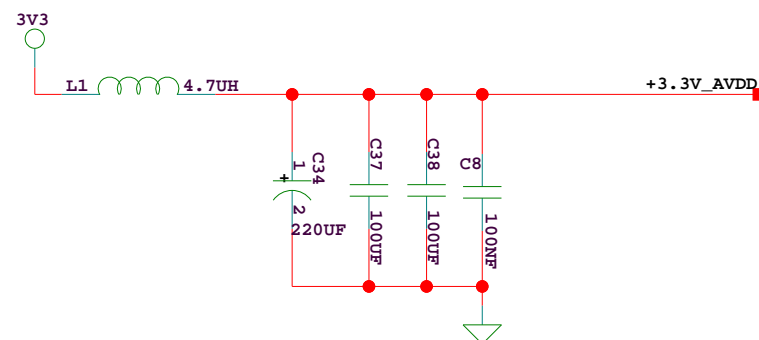
6

Sensor Interface Power

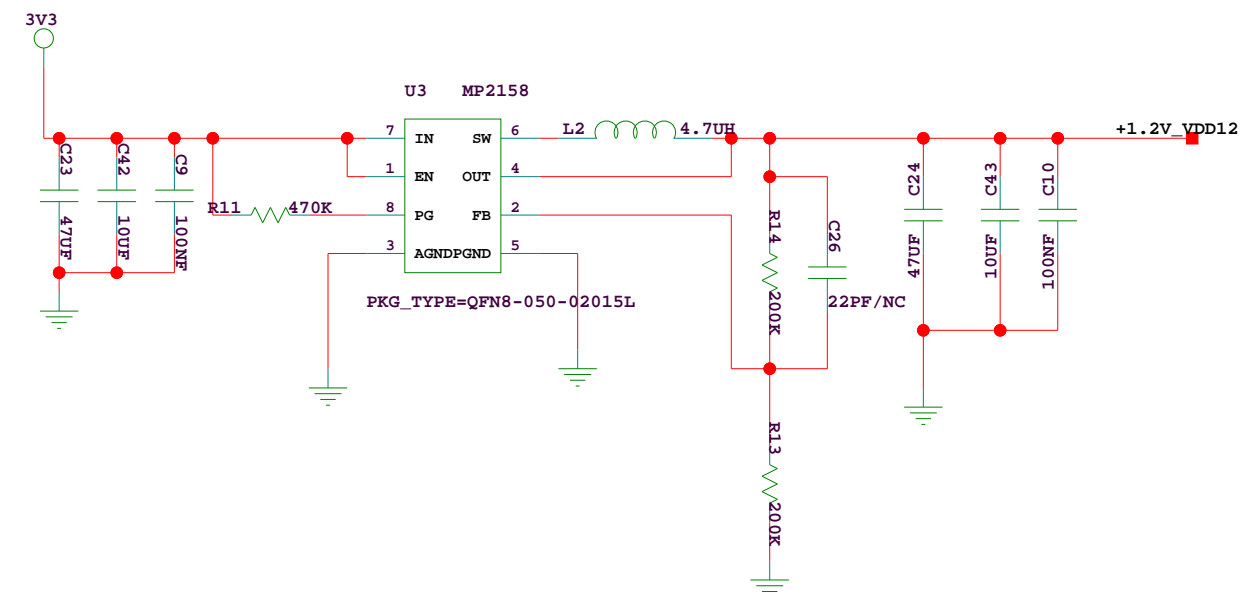


1.8V Power-on sequence is the second one, so RC circuit to delay about 930 us
 $\text{Delay} = 10\text{K} * 100\text{NF} * \ln(3.3 / (3.3 - 2)) = 930 \text{ us}$

Sensor Analog Power

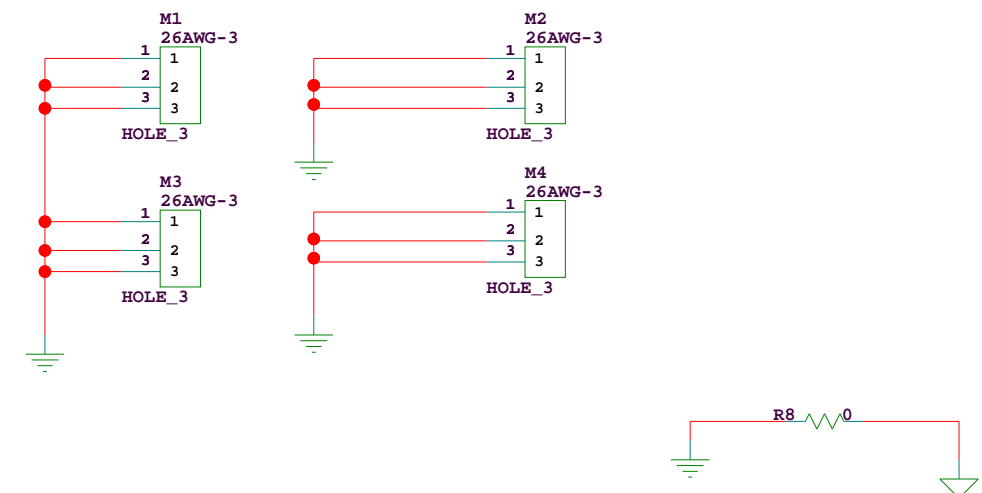


Sensor Digital Power



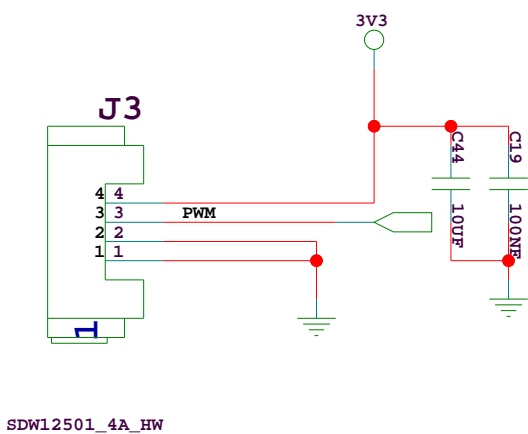
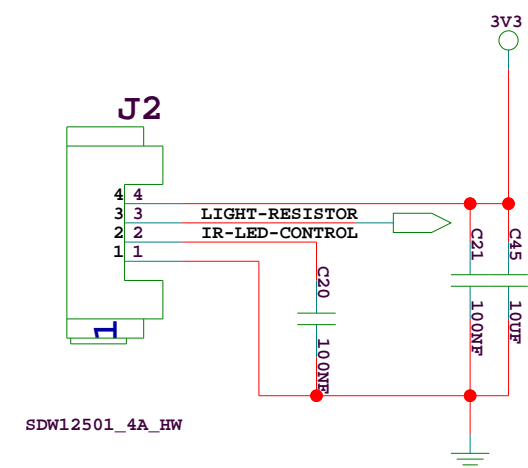
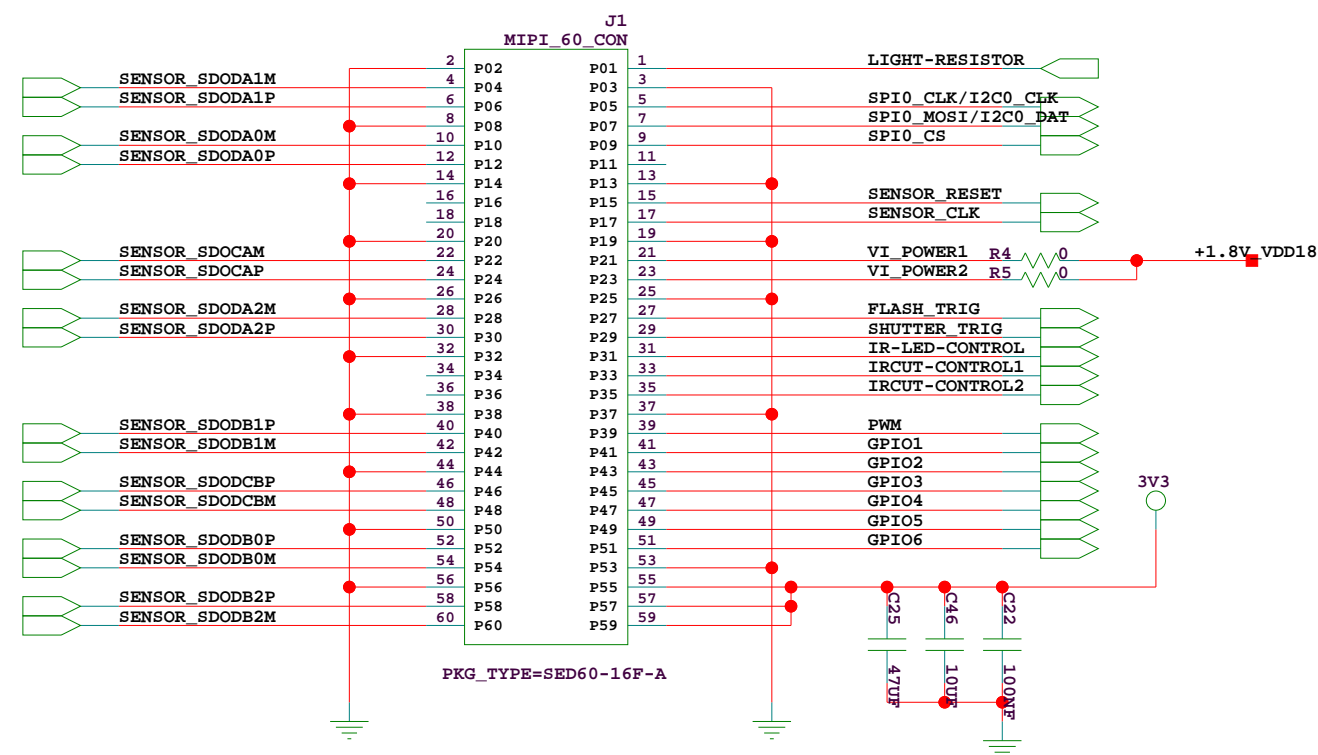
$$+1.2V_{\text{DVDD}} = 0.6 * (200k / 200k + 1) = 1.2V$$

1.2V Power-on sequence is the first one ,so EN is pulled to High directly



The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	ZHENG YUNFENG221937	@NAME=MN34220_LV_REFB000R234 @SHEET=6F @SHEETTOTAL=7			
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET	
		A	03030001	HUAWEI TECH CO.,LTD.	



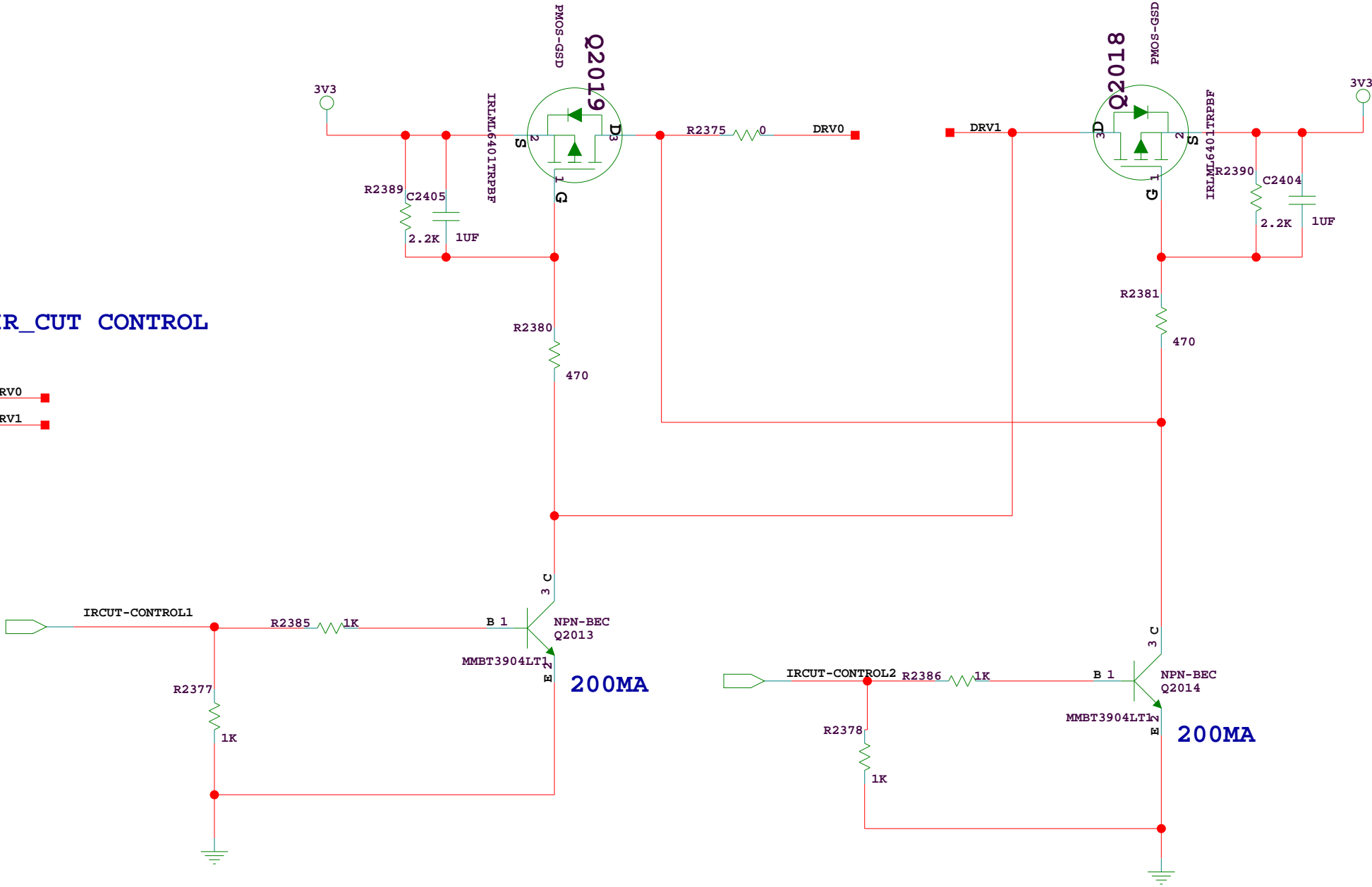
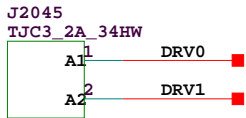
The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	MN34220_LV_REFB_VERA00001234			
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 6 OF 7	
		A	03030001	HUAWEI TECH CO.,LTD.	

CBIR02

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	ZHANGSAN XXXXX	A3TITLEBLOCK		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 1 OF 1	
		A	03030001	HUAWEI TECH CO.,LTD.	