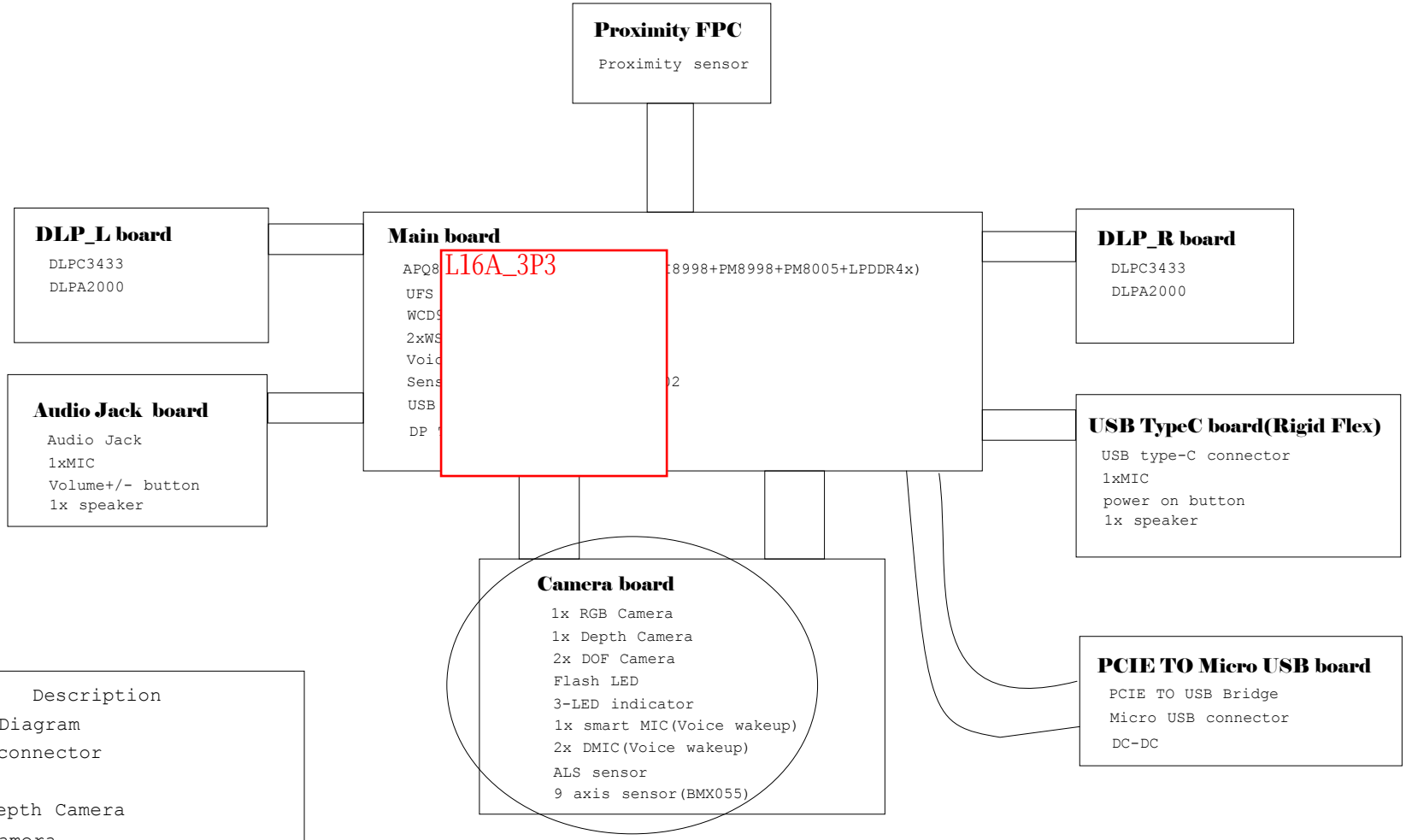
HMD system Architecture



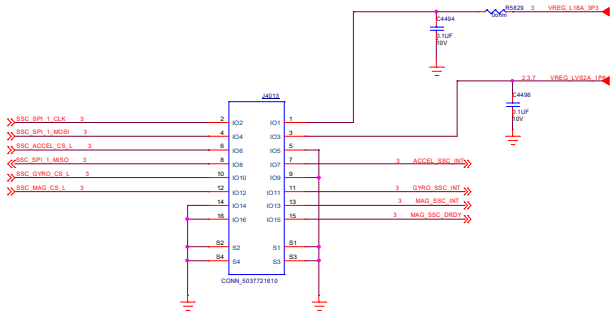
INDEX

Page	Description
1.	Block Diagram
2.	TO MB connector
3.	MIC
4.	Main/Depth Camera
5.	6DOF camera
6.	Status indicator/Flash LED
7.	ALS Sensor
	Changelist

flex

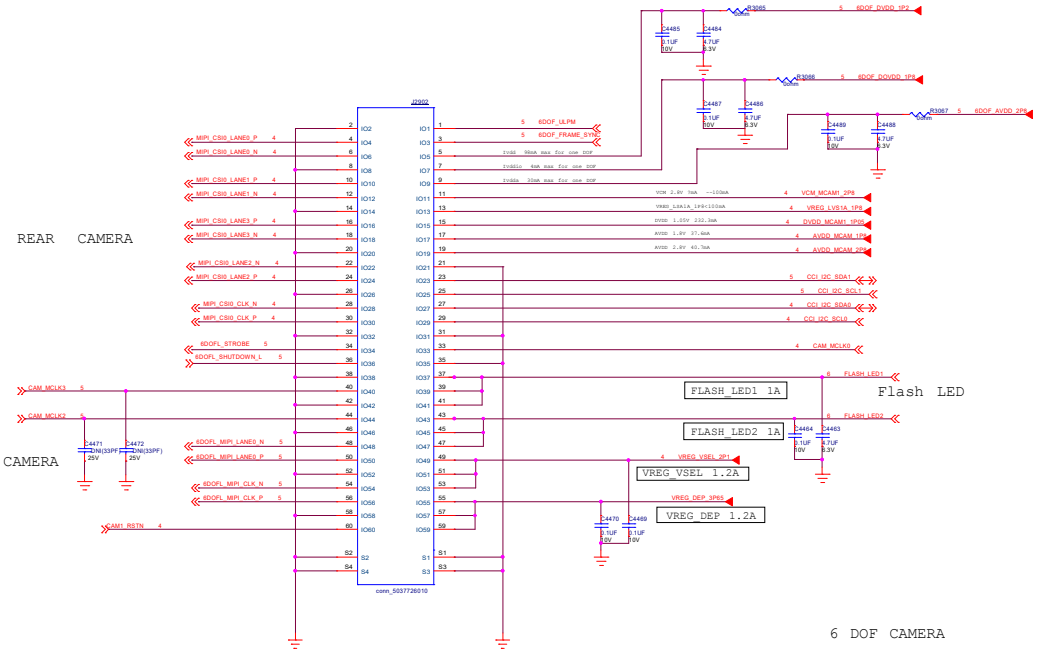
Title: <Title>
Size: D | Document Number: <Doc> | Rev: <RevCode>
Date: Tuesday, July 18, 2017 | Sheet 1 of 8

Pin definition is not finalized



REAR CAMERA

6DOF_L CAMERA



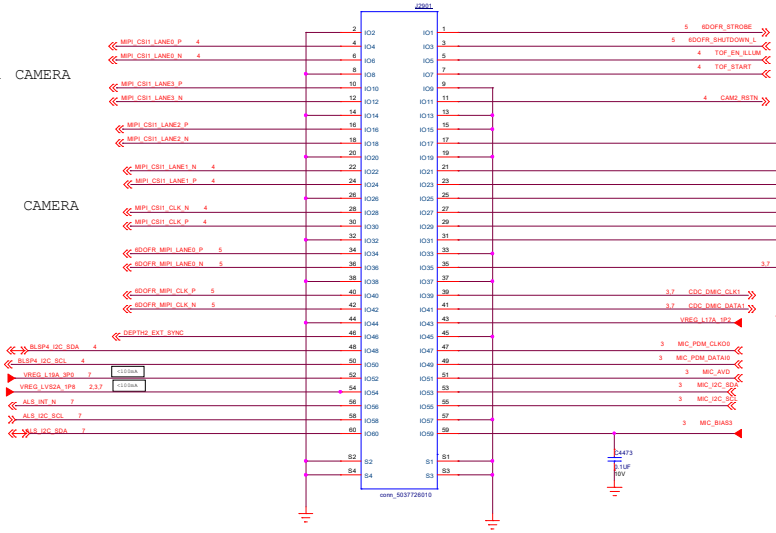
Flash LED

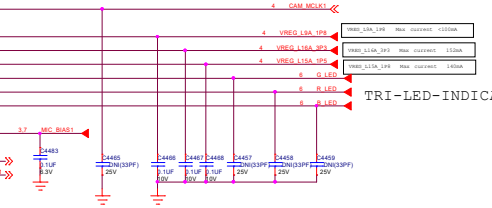
6 DOF CAMERA

6DOF_R CAMERA

Depth CAMERA

ALS SENSOR





TRI-LED-INDICATOR

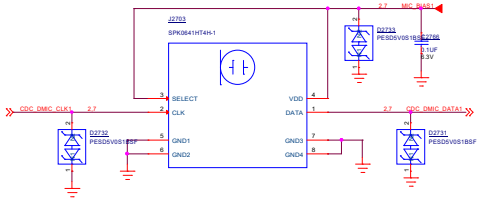
Voice wake up mic

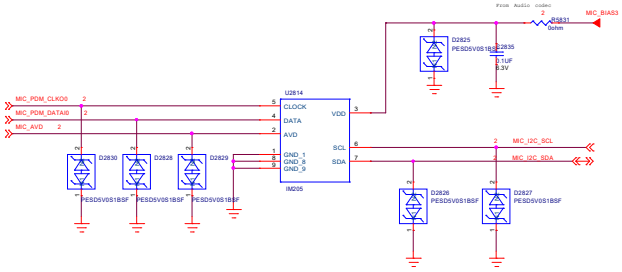
SUB BOARD CONNECTOR

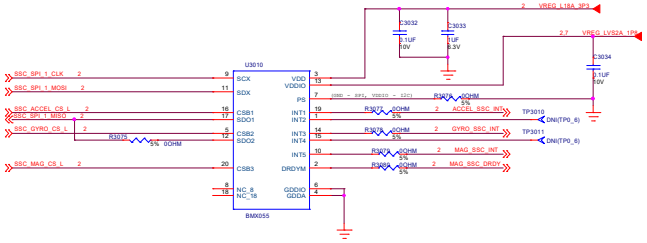
flex

Title	<Title>		
Size D	Document Number <Doc>		Rev <RevCode>
Date: Tuesday, July 18, 2017	Sheet 2 of 8		

Main Mic





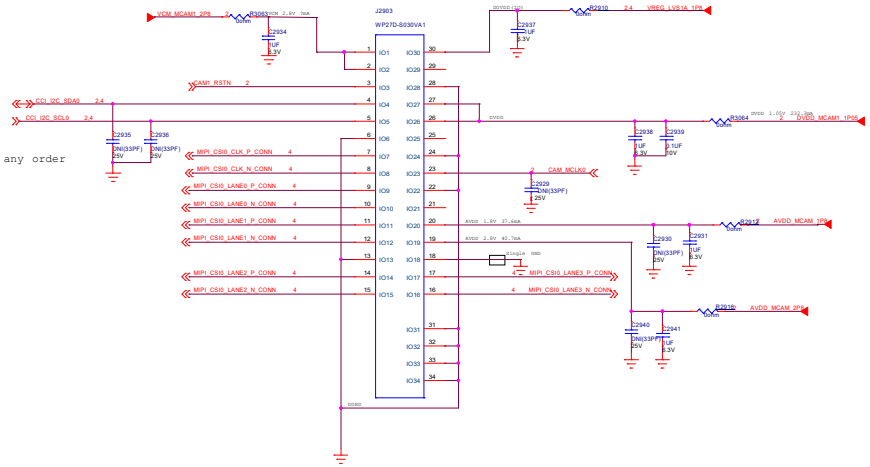


flex

Title	<Title>	
Size: D	Document Number: <Doc>	Rev: <RevCode>
Date: Tuesday, July 18, 2017	Sheet 3 of 8	

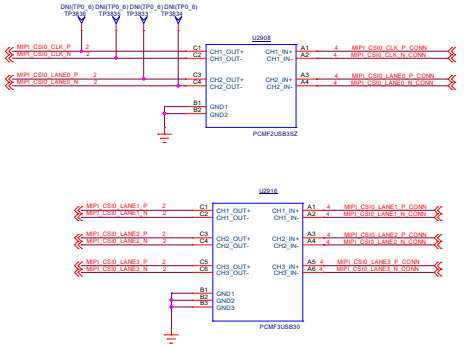
Main Camera

The power supplies for Main camera may rise in any order



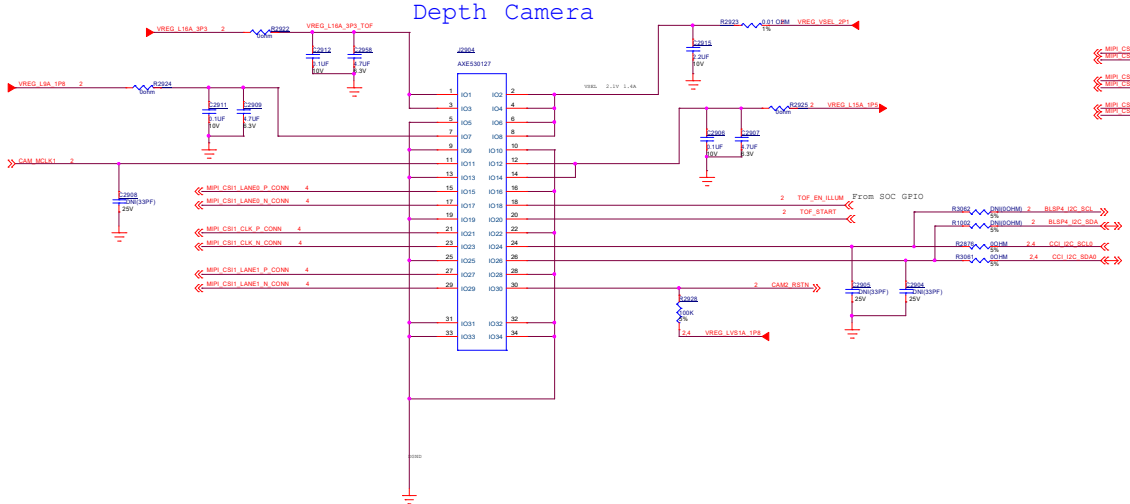
Sensor I2C addr:0X20(W),0X21(R)

Place Test points on the trace, No stub



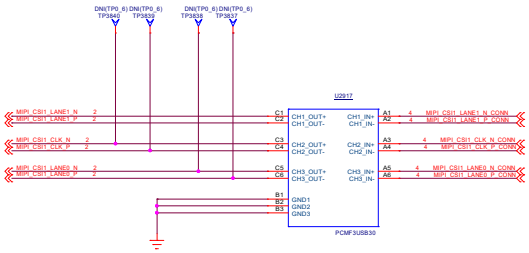
Depth Camera

The power supplies for Depth camera may rise in any order



Sensor I2C addr:0X7A(W),0X7B(R)------Sunny MD101D

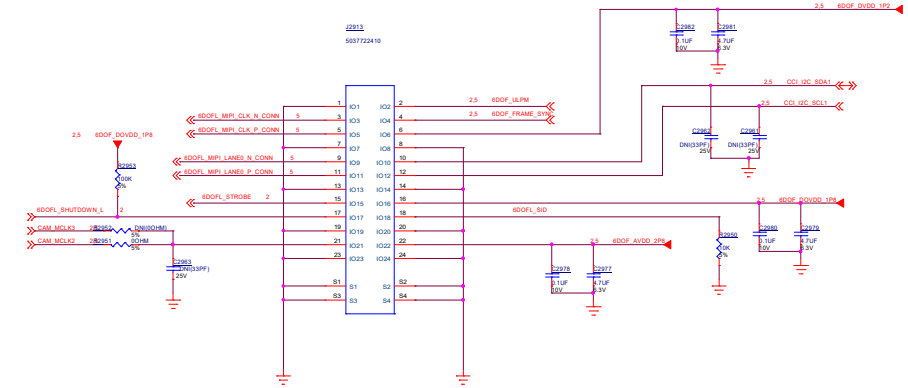
Place Test points on the trace, No stub

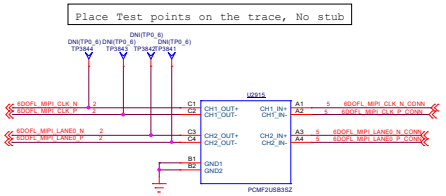


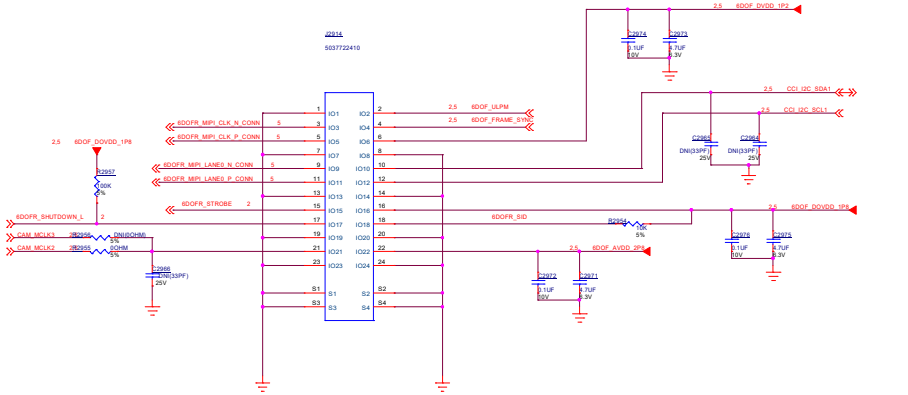
Main/Depth Camera

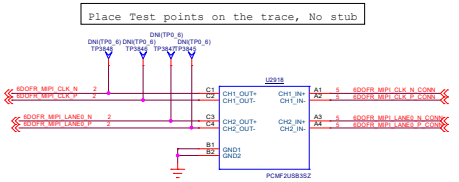
flex

Title	<Title>	
Size: D	Document Number: <Doc>	Rev: <RevCode>
Date: Tuesday, July 18, 2017	Sheet 4 of 8	







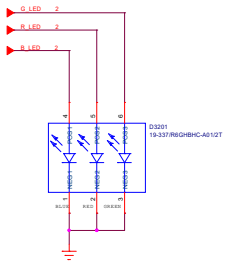


6DOF Camera

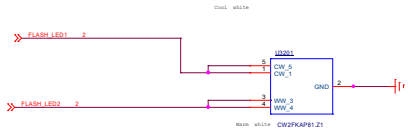
flex

Title	<Title>	
Size: D	Document Number: <Doc>	Rev: <RevCode>
Date: Monday, July 31, 2017	Sheet 5 of 8	

Charger indicator



Flash LED

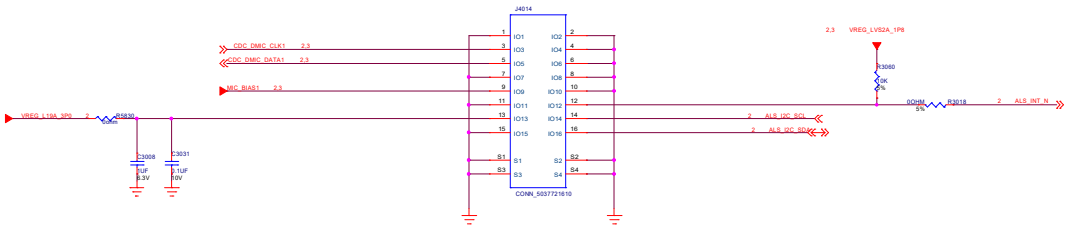


Status indicator/Flash LED

flex

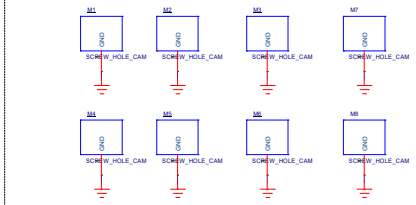
Title	<Title>		
Size: D	Document Number: <Doc>		Rev: <RevCode>
Date: Tuesday, July 18, 2017	Sheet 6 of 8		

ALS and MIC on FPC



ALS Write I2C Address: 0x72, Read I2C Address: 0x73

SCREW HOLE



ALS SENSOR

flex

Title	<Title>	
Size: D	Document Number: <Doc>	Rev: <RevCode>
Date: Tuesday, July 18, 2017	Sheet 7 of 8	

Change list

EVT1 change list

6/5/2017

[Page2] Remove MIC J7202, D2734,D2735,D2736,C2755

[Page2] Add connector J4014, add 0ohm resistor R5830

7/17/2017

[Page3] Add resistor R5831

[Page5] Fix an error, change netname from"6DOFL_SID"to "6DOFR_SID"

DVT1.0 Change list

Revision History

Title	<Title>	
Size: D	Document Number: <Doc>	Rev: <RevCode>
Date: Tuesday, July 18, 2017	Sheet 8 of 8	