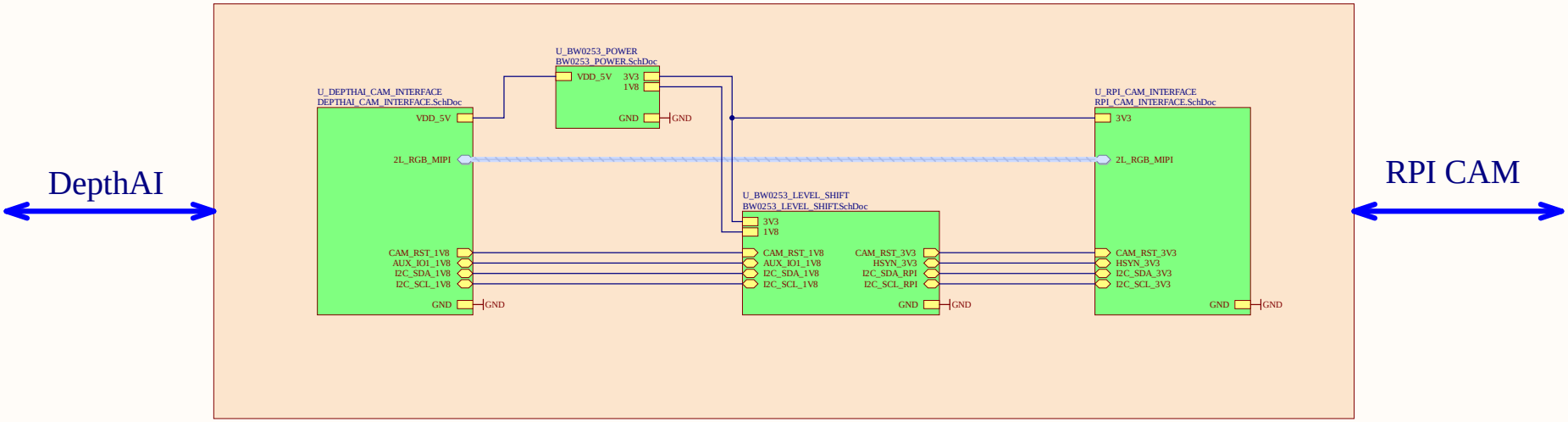
Project: ***BW0253***
Current Revision: ***R0M0E0***

BW0253 Revision History:

Date	Revision	Reason for Change	Changes Implemented
May 13, 2020	BG0249_R1M1E1 --> BW0252_R0M0E0	New camera module adapter board to support Raspberry Pi High Quality camera module (IMX477) and Camera Module v2	

Title	***BW0253***			*Luxonis Holding* *1925 Harmony Park Drive* *Westminster, CO* *80234* *United States*
Size: Tabloid	Number: D0000999	Revision: R0M0E0		
Date: 5/14/2020	Time: 1:26:32 PM	Sheet 1 of 6		
Drawn by: ***Brian Weinstein***				

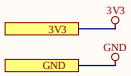


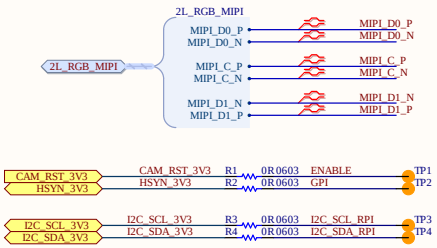
U_Project_Information
Project_Information.SchDoc

FID1 FID2 FID3
FIDUCIAL_ROUND_1MM

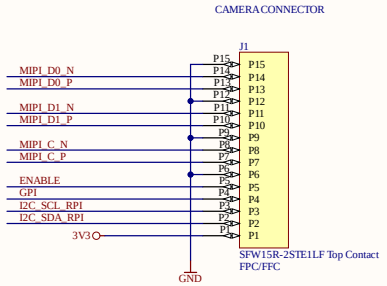
Title	BW0253		Luxonis Holding 1925 Harmony Park Drive Westminster, CO 80234 United States
Size: Tabloid	Number: D0000999	Revision: R0M0E0	
Date: 5/14/2020 Time: 1:26:32 PM	Sheet 2 of 6		
Drawn by: Brian Weinstein			

BW0253 R0M0E0





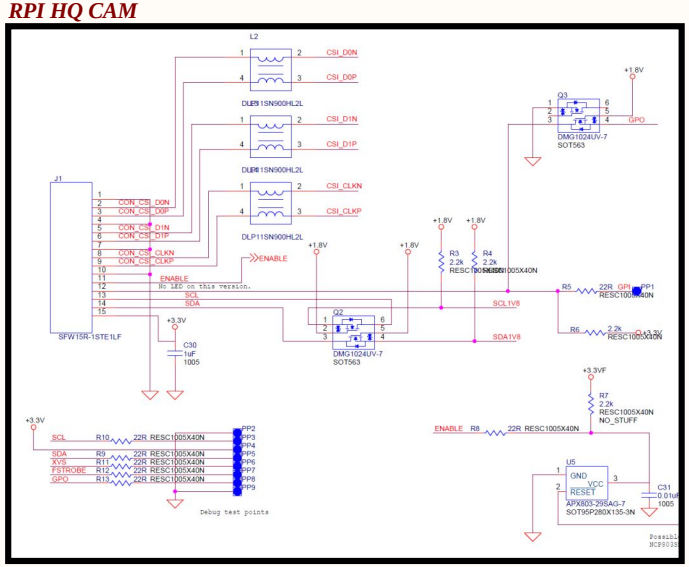
RPI HQ CAM INTERFACE



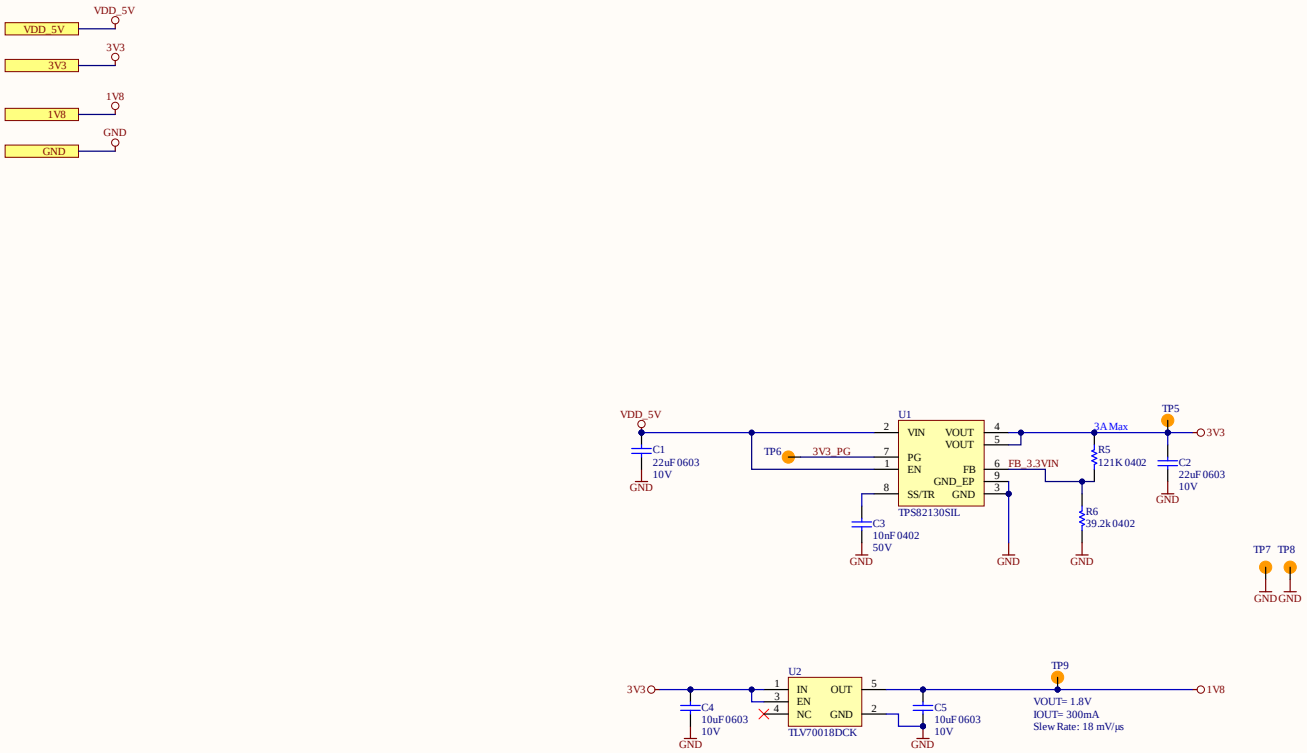
RPI (HQ and v2) cams come with opposite-side FFCs and top-contact connector (SFW15R-1STE1LF).

RPI CAM security module expects 3.3V I2C, but the security module is not needed in our case. Also, the ATSHA204A data sheet VIH minimum is 1.5V, so 1.8V I2C from the Myriad X should still work.

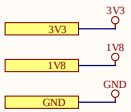
RPI HQ CAM

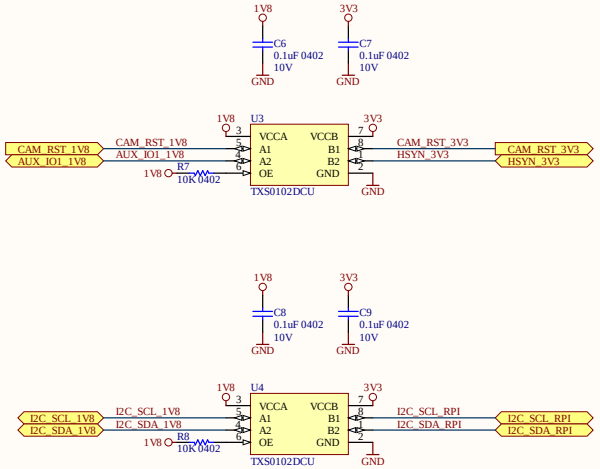


Title	*BW0253*		*Luxonis Holding* *1925 Harmony Park Drive* *Westminster, CO* *80234* *United States*
Size: Tabloid	Number: D0000999	Revision: R0M0E0	
Date: 5/14/2020	Time: 1:26:32 PM	Sheet 3 of 6	
Drawn by: *Brian Weinstein*			



Title	***BW0253***			*Luxonis Holding* *1925 Harmony Park Drive* *Westminster, CO* *80234* *United States*
Size: Tabloid	Number: D0000999	Revision: R0M0E0		
Date: 5/14/2020	Time: 1:26:32 PM	Sheet 4 of 6		
Drawn by: ***Brian Weinstein***				





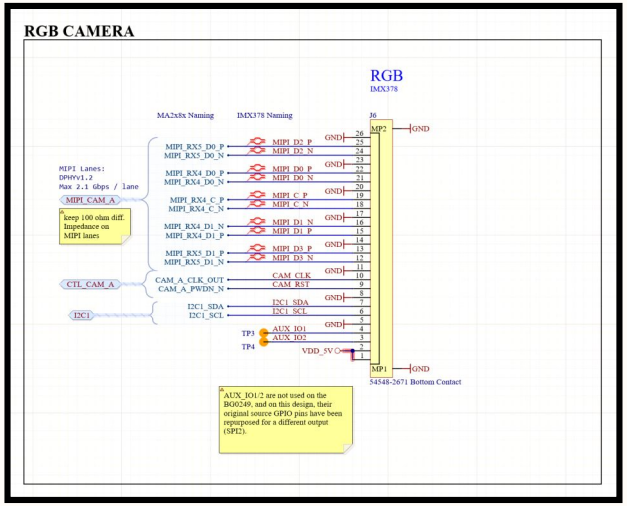
Title	**BW0253**		
Size: Tabloid	Number: D0000999	Revision: R0M0E0	
Date: 5/14/2020 Time: 1:26:32 PM	Sheet 5 of 6		
Drawn by: ***Brian Weinstein***			

Luxonis Holding
1925 Harmony Park Drive
Westminster, CO
80234
United States

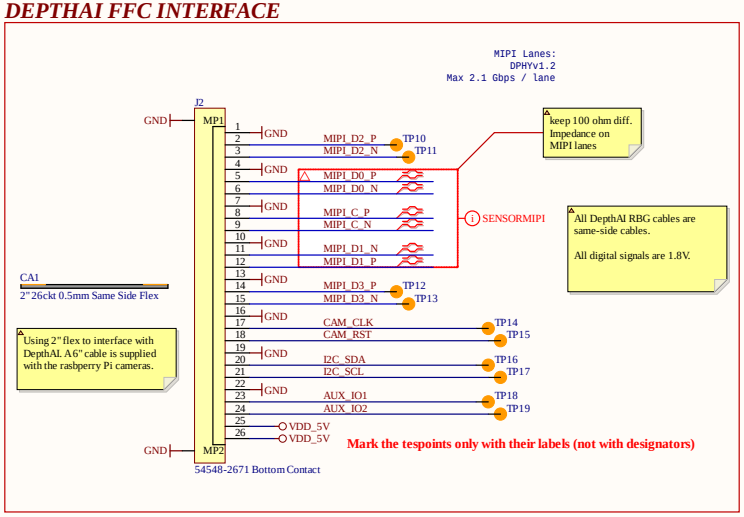
VDD_5V

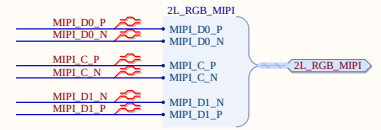
GND

INTERFACE ON BW1098FFC



DEPTHAI FFC INTERFACE





Title **BW0253**			Luxonis Holding 1925 Harmony Park Drive Westminster, CO 80234 United States
Size: Tabloid	Number: D0000999	Revision: R0M0E0	
Date: 5/14/2020 Time: 1:26:33 PM	Sheet 6 of 6		
Drawn by: **Brian Weinstein**			