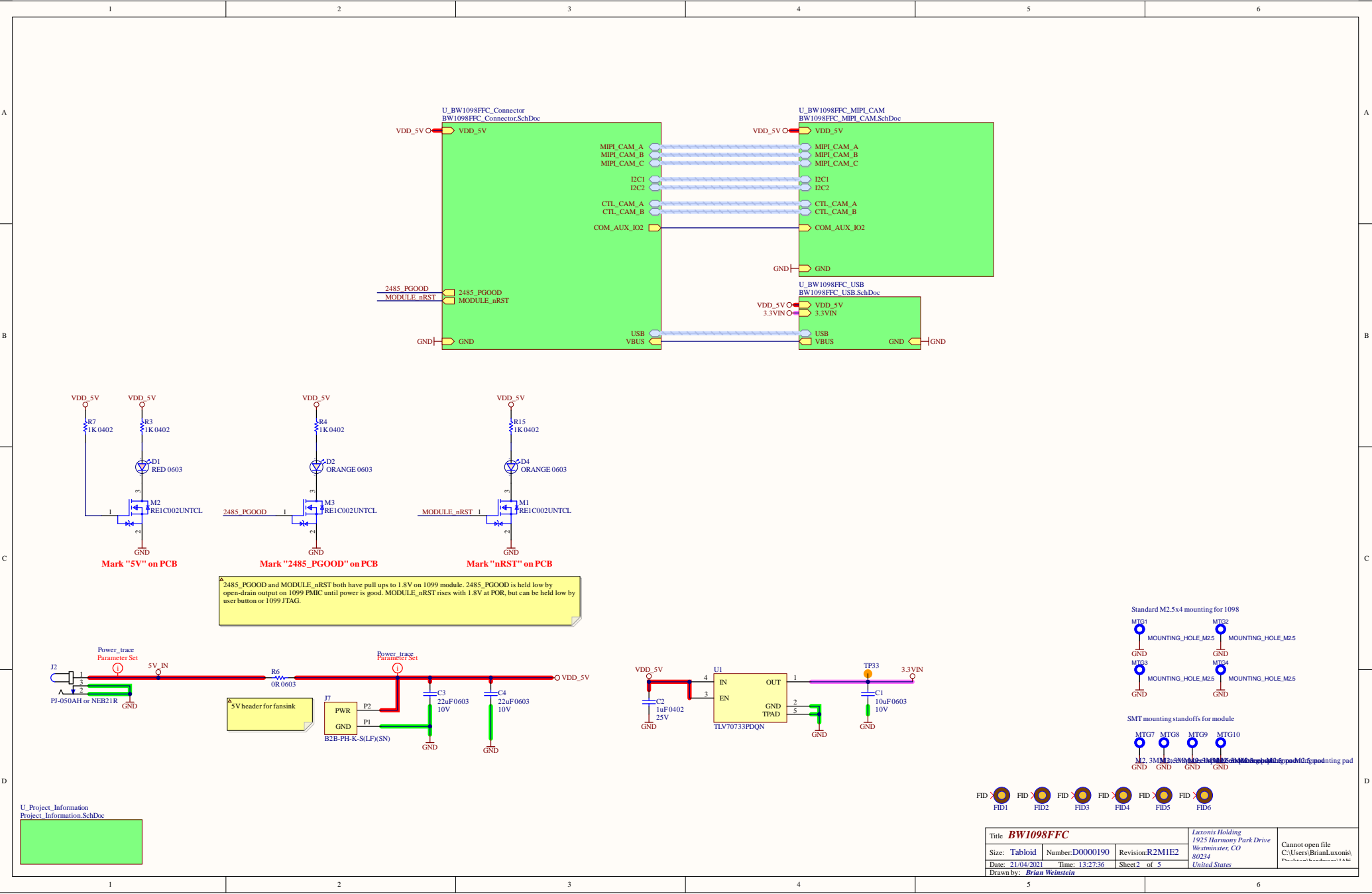


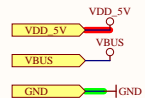
Project: *BW1098FFC*
Current Revision: *R2M1E2*

BW1098FFC Revision History:

Date	Revision	Reason for Change	Changes Implemented
11/29/2019	R0M0E0 -> R1M1E1	1) Updating board to be aligned with Gen2 1099 boards, with SPI and uSD 2) Standardize FFC connector alignment with edge of board when connector is closed. 3) Existing design was not standardized on LuxonisMaster library format	1) Leveraged 1098OBC connector schematic. Updated J1 Hirose connector to be the Gen2 version with proper pin names, Added three 10-pin headers (not populated) to break out AUX io, SPI io, and uSD io, same as on 1098OBC. Updated schematic net names, harnesses and connections to accommodate the Gen2 changes. 2) Moved each of the FFC connectors toward the board edge so that they are flush with edge when closed. 3) Updated schematic and component information to align with LuxonisMaster library system
04/21/2021	R1M1E1 -> R2M1E2	1) Slow plug issue with USB type-C 2) Update sync and reset circuitry	1. Added 1uF capacitor to VBUS. DET updated PCB and fabrication files 2) Updated sync and deleted reset circuitry

Title <i>BW1098FFC</i>			Luxonis Holding 1925 Harmony Park Drive Westminster, CO 80234		Cannot open file C:\Users\BrianLuxonis\Documents\1461
Size: <u>Tabloid</u>	Number: <u>D0000190</u>	Revision: <u>R2M1E2</u>			
Date: <u>21/04/2021</u>	Time: <u>13:27:36</u>	Sheet <u>1</u> of <u>5</u>	<u>United States</u>		
Drawn by: <i><u>Brian Weinstein</u></i>					

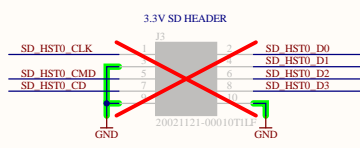
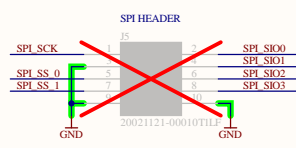
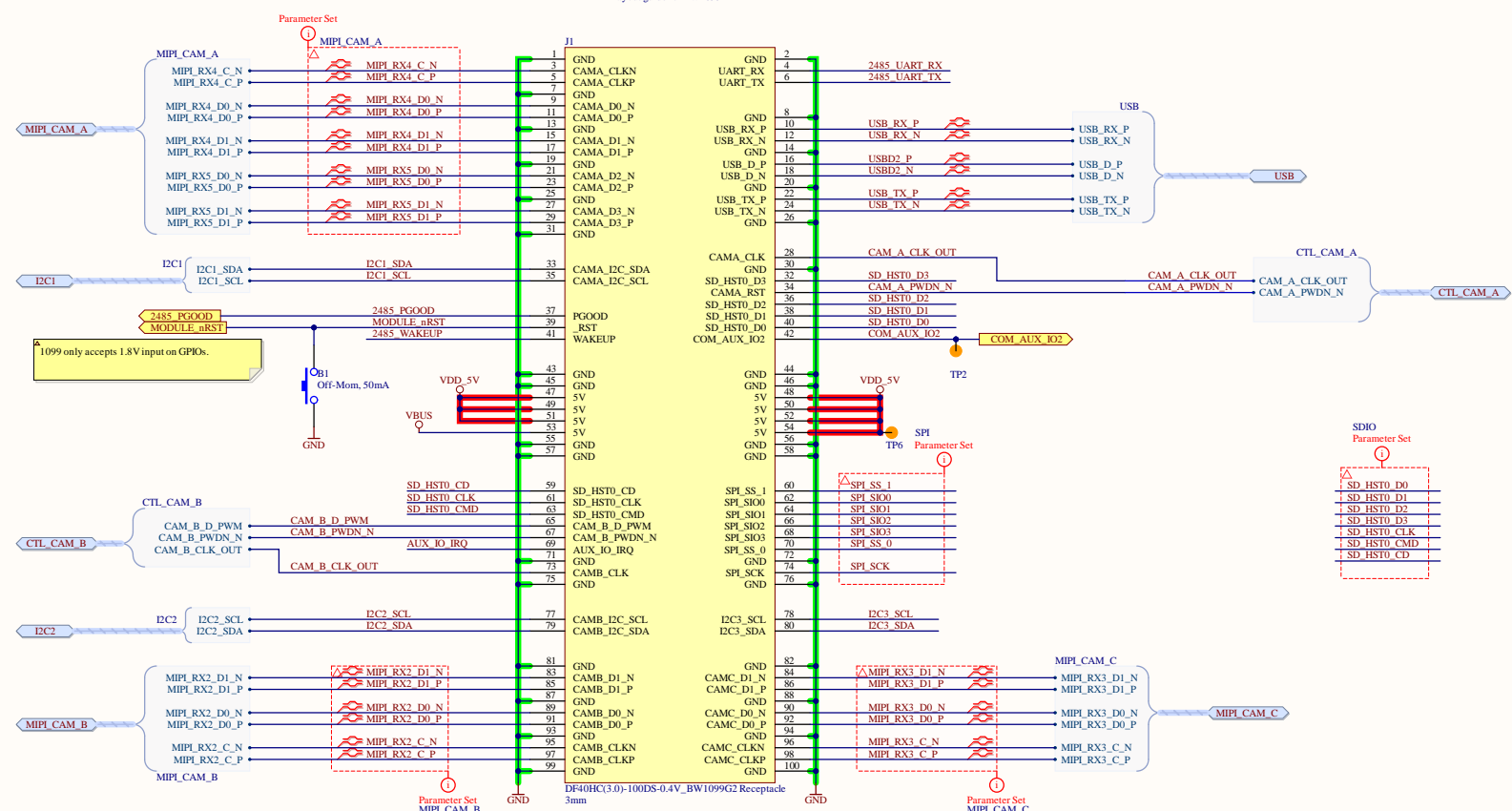




VDD_5V drawn by BW1099 can be up to 1A
VBUS on BW1099 is only sense input

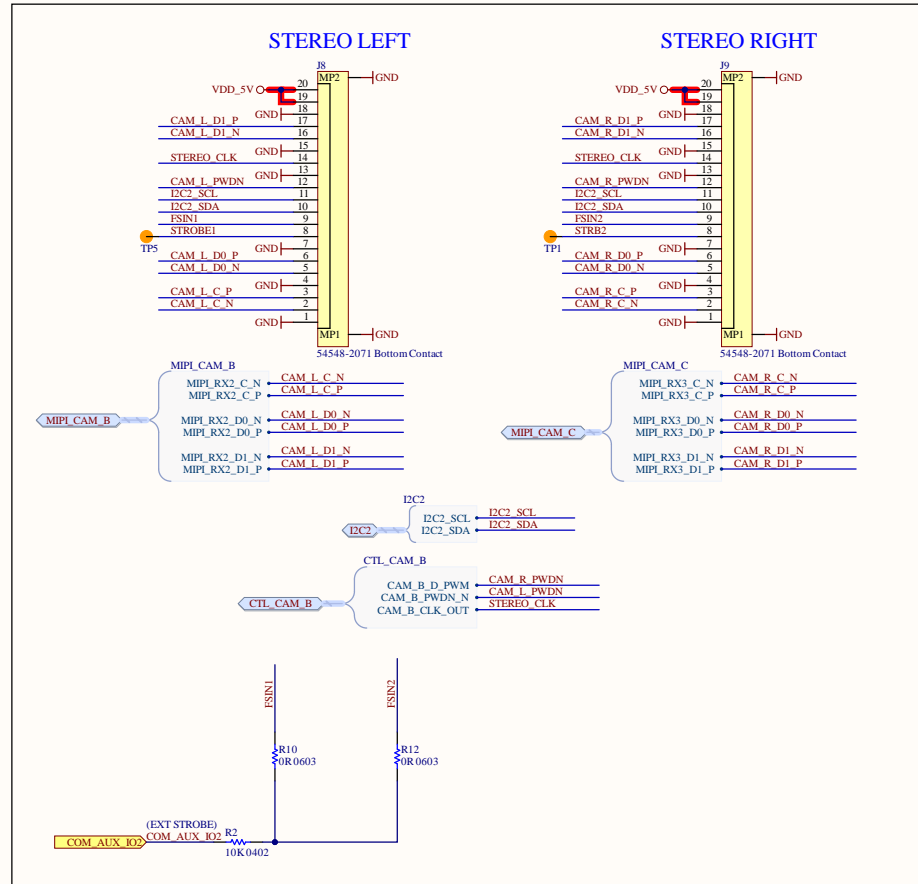
MIPI Lanes:
DPHYv1.2
Max 2.1 Gbps / 1 lane

Z1
BW1099 Placement Guide
Layout guide for BW1099

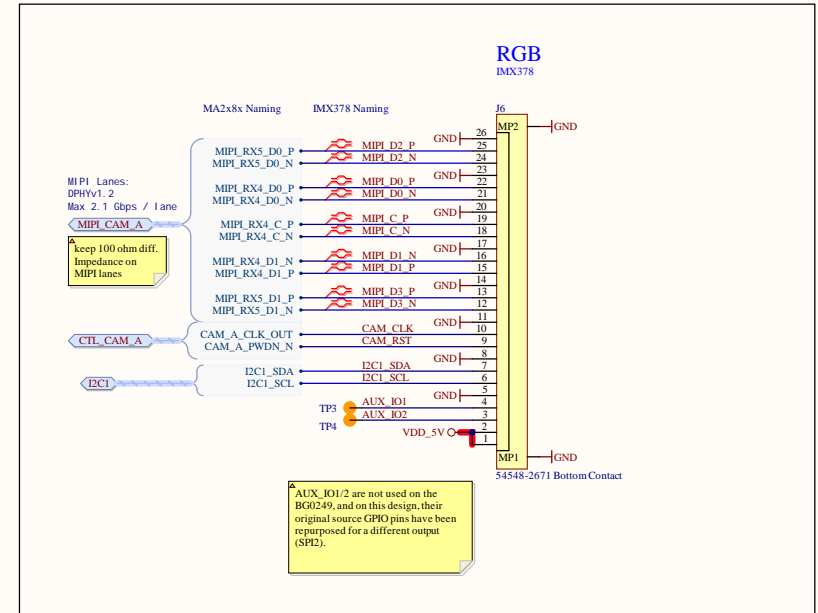


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Date: 21/04/2021	Time: 13:27:36	Sheet 3 of 5			
Drawn by: Brian Weinstein					

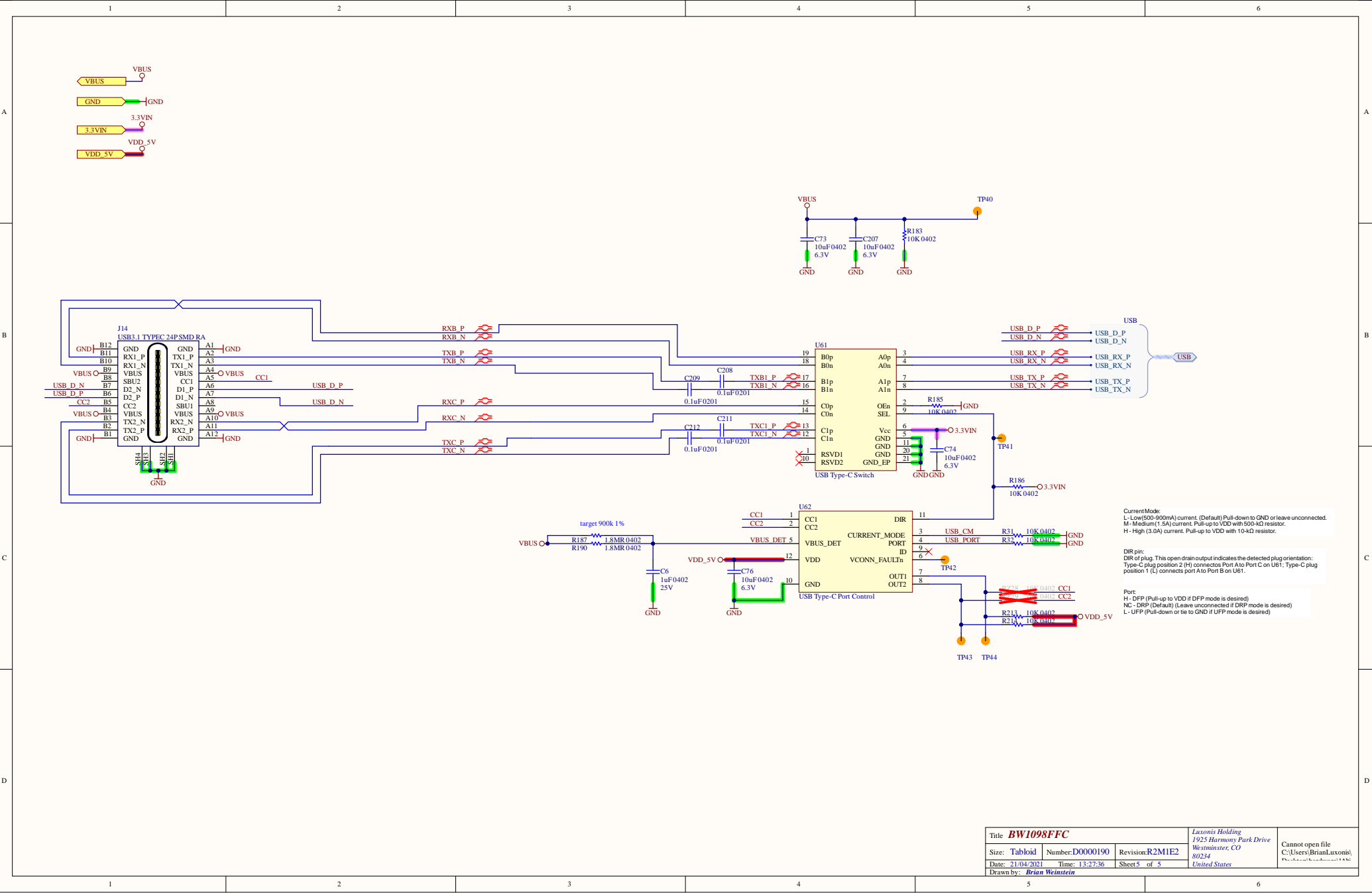
STEREO CAMERA PAIR



RGB CAMERA



Title BW1098FFC			Luxonis Holding 1925 Harmony Park Drive Westminster, CO 80234 United States		Cannot open file C:\Users\BrianLuxonis\Documents\BW1098FFC
Size: Tabloid	Number:D0000190	Revision:R2M1E2			
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Drawn by: Brian Weinstein					



Title BW1098FFC			Luxonis Holding 1925 Harmony Park Drive Westminster, CO 80234 United States	Cannot open file C:\Users\BrianLuxonis\Documents\B... 11 kb
Size: Tabloid	Number: D0000190	Revision: R2M1E2		
Date: 21/04/2021	Time: 13:27:36	Sheet 5 of 5		
Drawn by: Brian Weinstein				