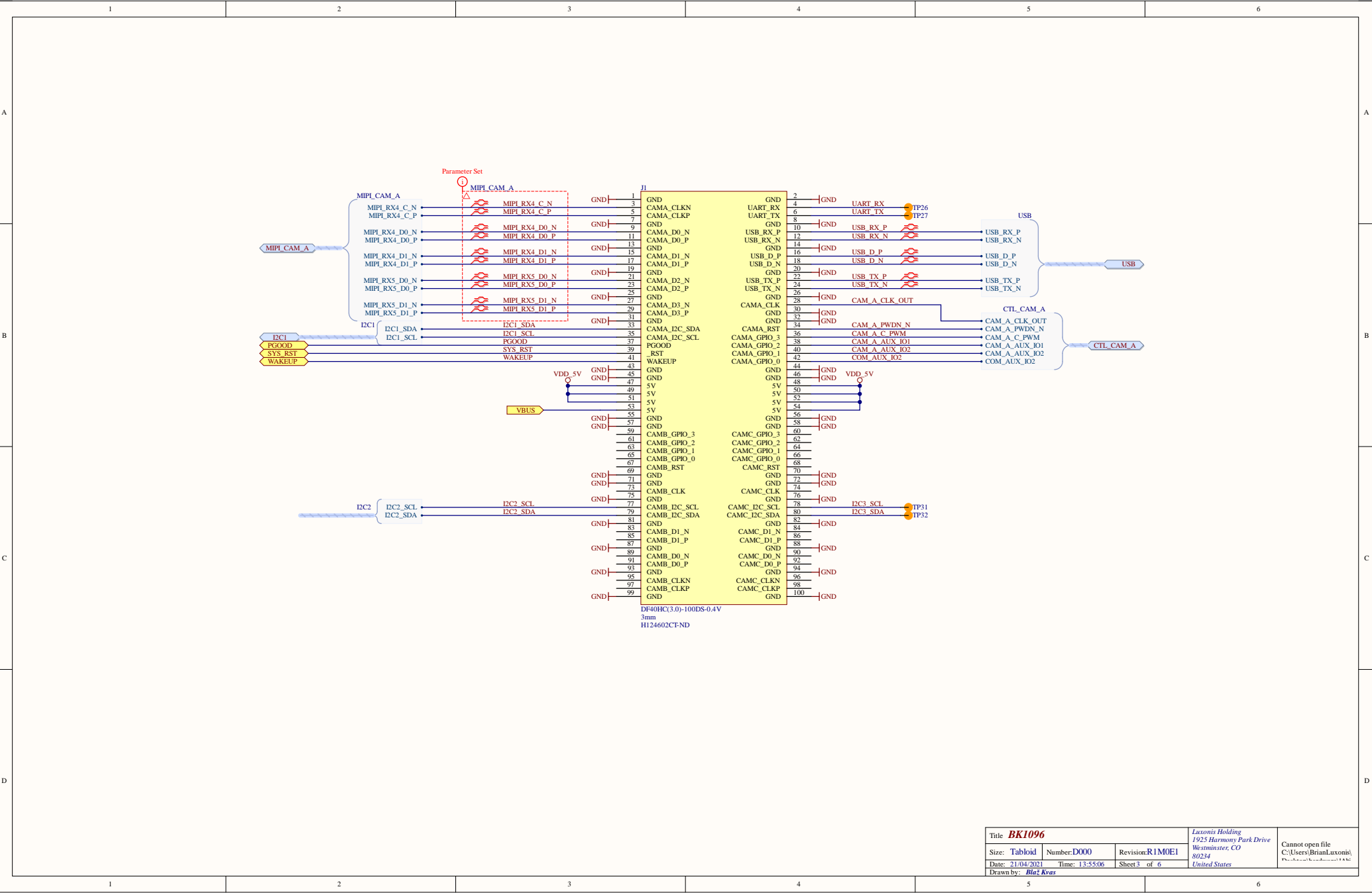


Title BK1096			Luxonis Holding 1925 Harmony Park Drive Westminster, CO 80234 United States	Cannot open file C:\Users\BrianLuxonis\Documents\BK1096_SchDoc
Size: Tabloid	Number: D000	Revision: R1M0E1		
Date: 21/04/2021	Time: 13:55:06	Sheet 1 of 6		
Drawn by: Blaz Kvas				

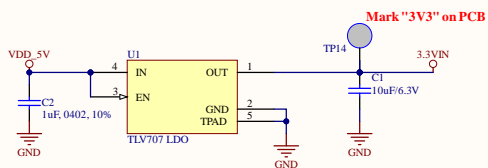
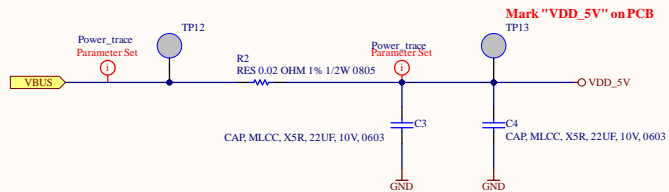
Project: *BK1096*
Current Revision: *R1M0E1*

BK1096 **Revision History:**

Date	Revision	Reason for Change	Changes Implemented
07/31/2020	Initial release		
04/21/2021	R0M0E0 --> R1M0E1	1) Slow plug issue with USB type-C	1. Added 1uF capacitor to VBUS_DET updated PCB and fabrication files

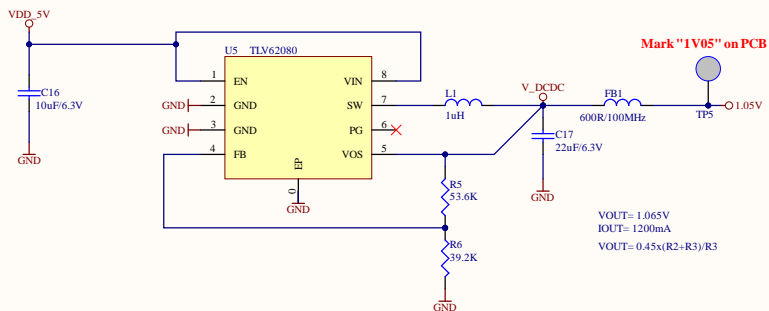


POWER INPUT



DC-DC CONVERTER

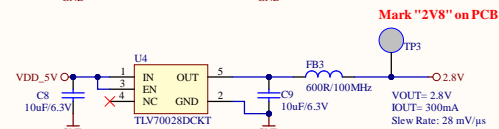
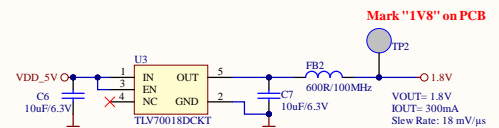
DC-DC Converter is used for reducing the voltage drop in 1.05V LDO in order to avoid heating



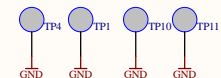
FAN CONNECTOR



POWER SUPPLIES FOR CAMERA MODULE



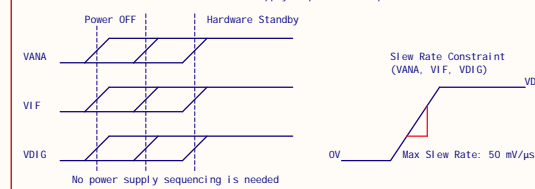
Mark "GND" on PCB



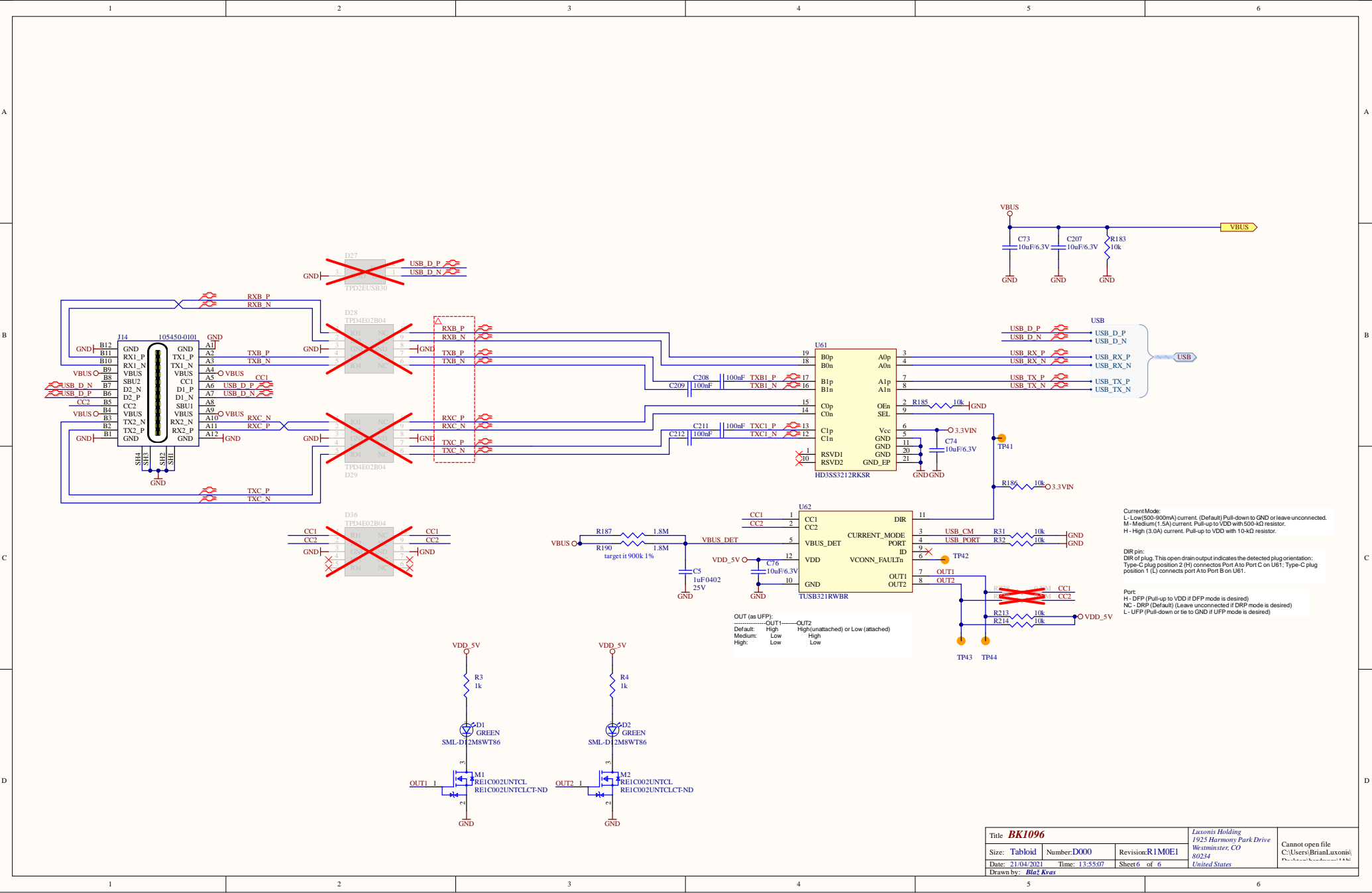
Supply Information

Supply Name	Module	Sensor	Voltage	Max Current
AVDD	VANA		2.8V ± 0.1	55mA
DOVDD	VIF		1.8V ± 0.1	2.5mA
VDVDD	VDIG		1.05V ± 0.1	446mA

Power Supply Sequence & Requirements



Title BK1096			Luxonis Holding 1925 Harmony Park Drive Westminster, CO 80234 United States	Cannot open file C:\Users\Brian\Luxonis\Documents\Bk1096\TAB1
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Current Mode:
L- Low (500-900mA) current. (Default) Pull-down to GND or leave unconnected.
M- Medium (1.5A) current. Pull-up to VDD with 500-kΩ resistor.
H- High (3.0A) current. Pull-up to VDD with 10-kΩ resistor.

DIR pin:
DIR of plug. This open drain output indicates the detected plug orientation:
Type-C plug position 2 (H) connects Port A to Port C on U61. Type-C plug position 1 (L) connects port A to Port B on U61.

Port:
H- DFP (Pull-up to VDD if DFP mode is desired)
ND- DRP (Default) (Leave unconnected if DRP mode is desired)
L- UFP (Pull-down or tie to GND if UFP mode is desired)

Title BK1096			Luxonis Holding 1925 Harmony Park Drive Westminster, CO 80234 United States	Cannot open file C:\Users\Brian\Luxonis\Documents\BK1096
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Drawn by: Blaz Kvas				