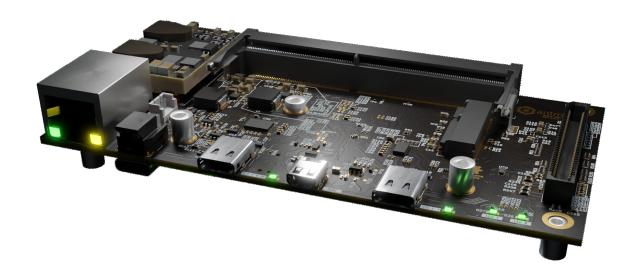
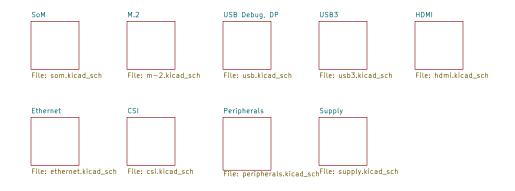
Jetson Orin Baseboard github.com/antmicro/jetson-orin-baseboard

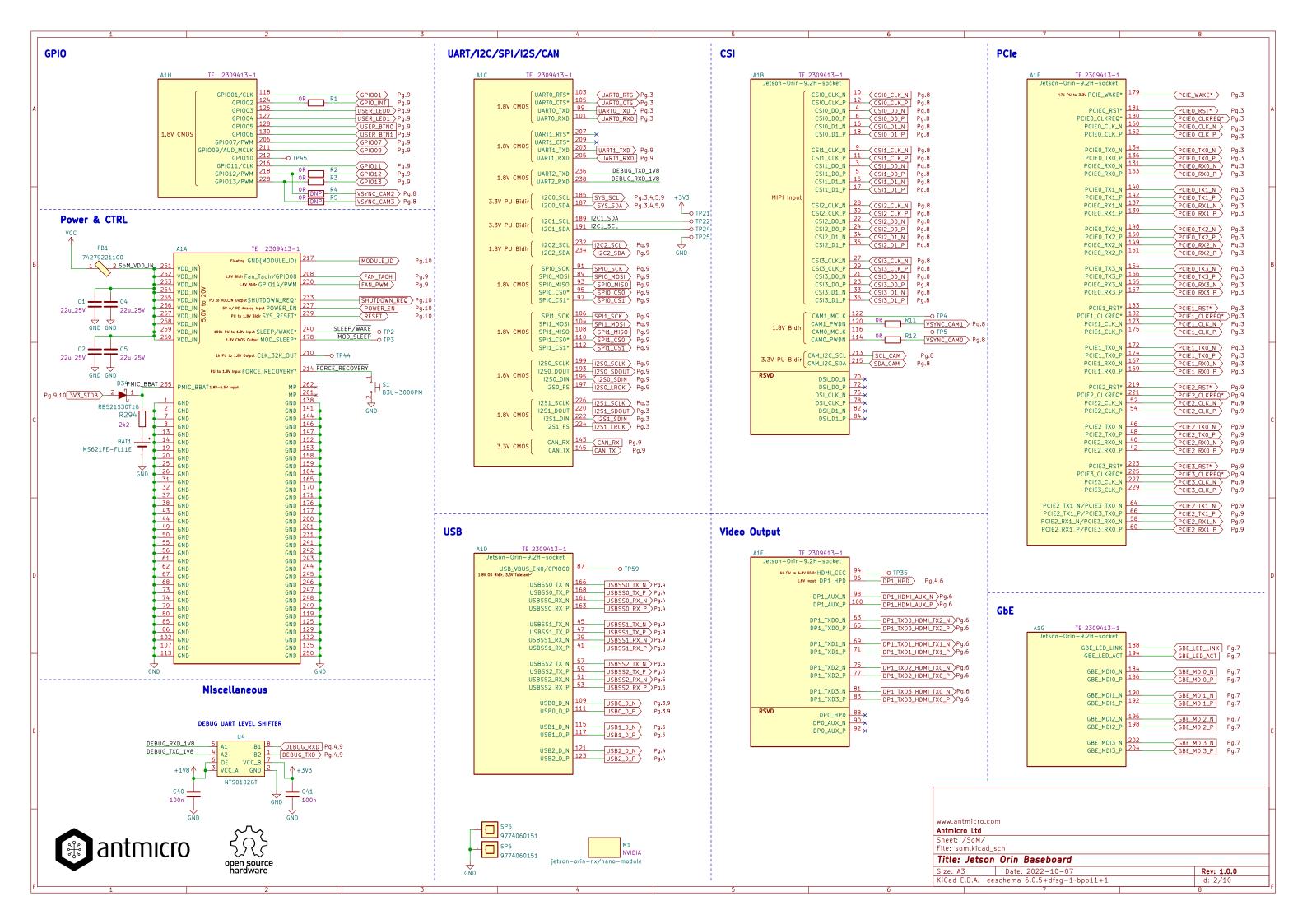


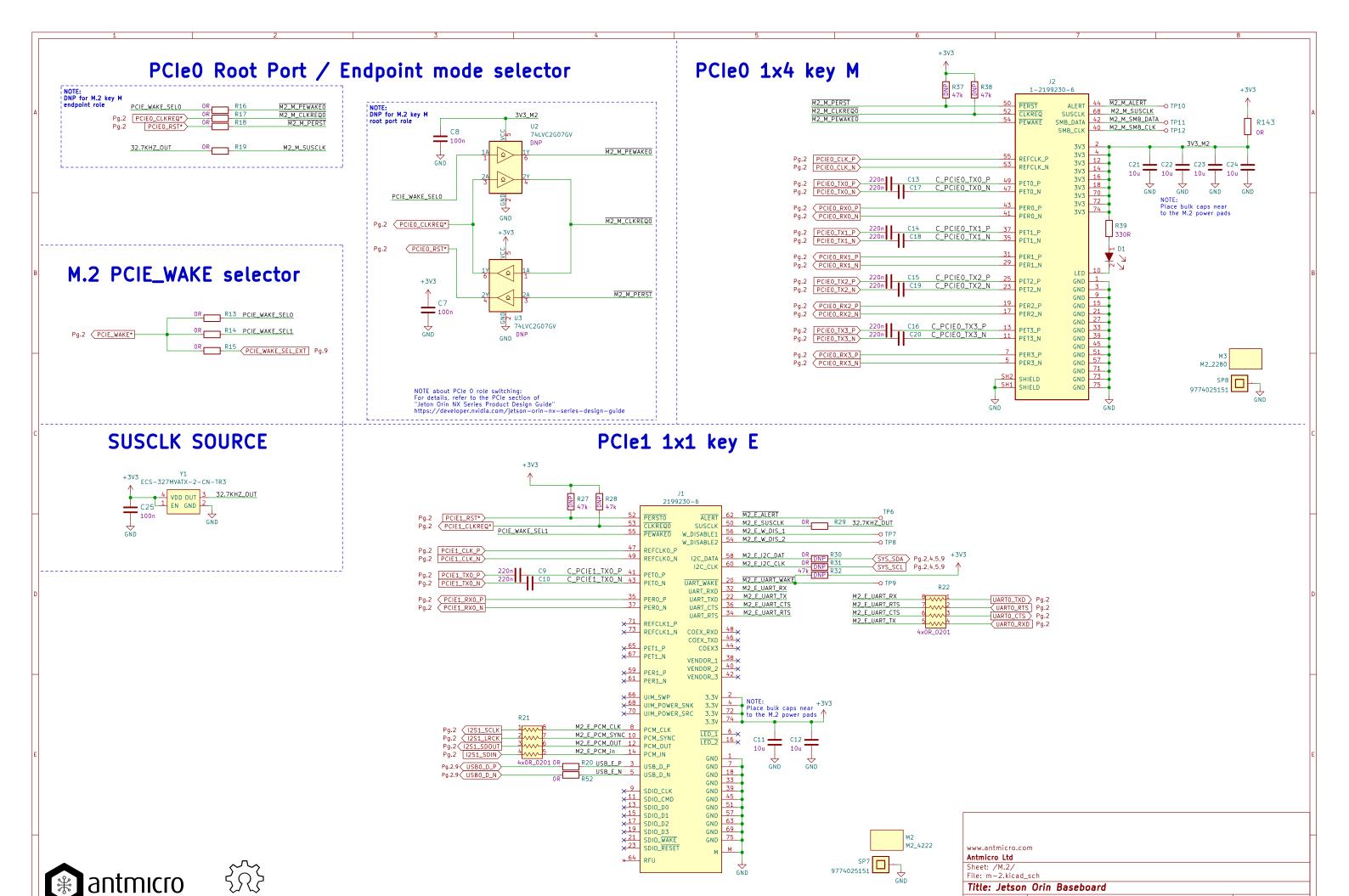


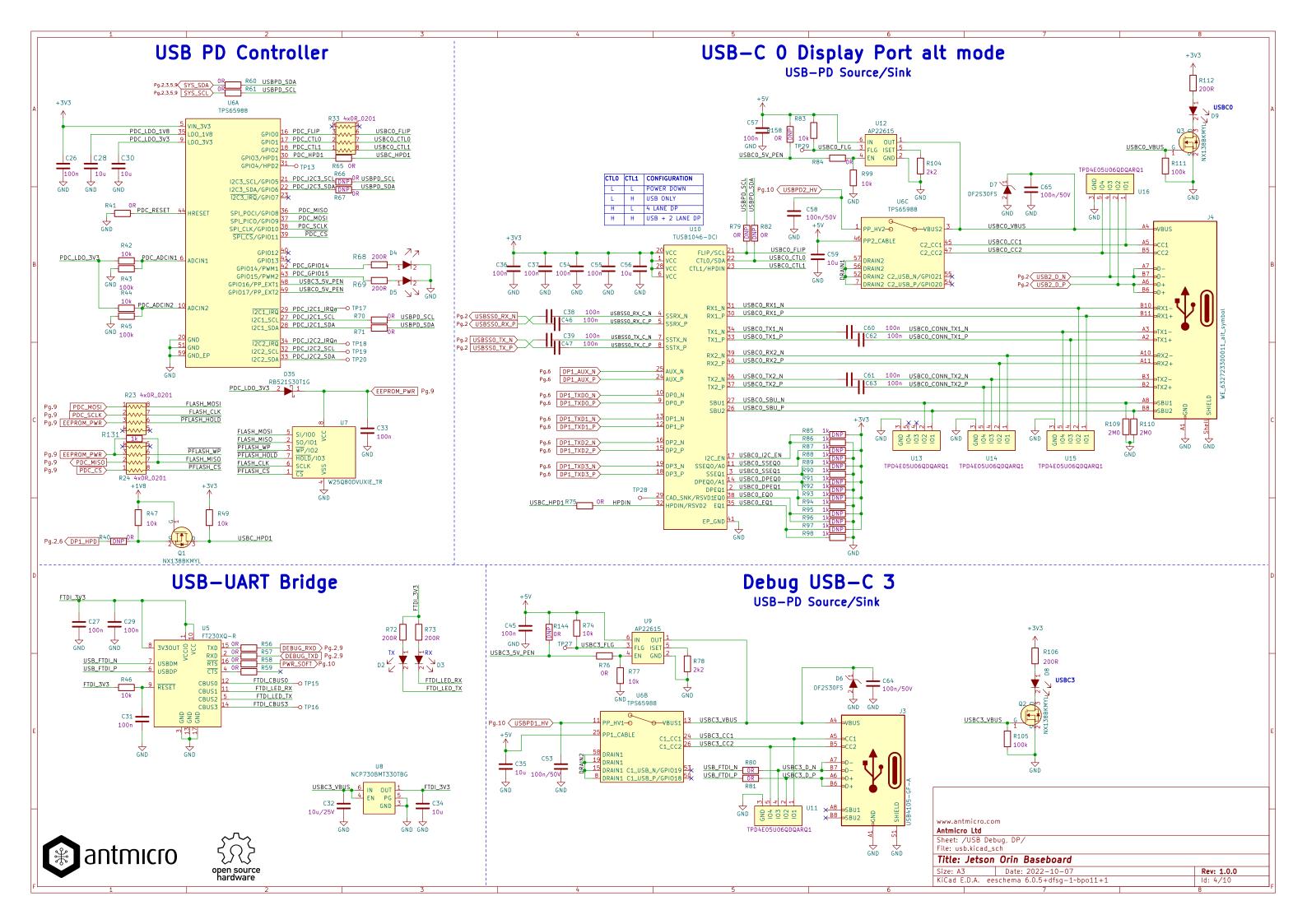


\* antmicro

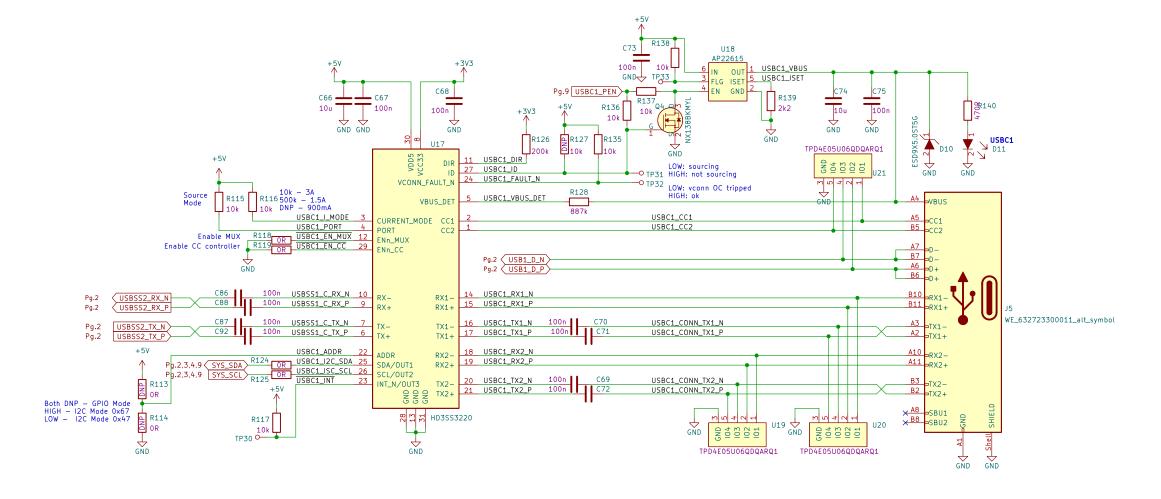
www.antmicro.co	om			
Antmicro Ltd				
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Size: A3	Date: 2022-10-07		Rev: 1.0.0	Т
KiCad E.D.A. eeschema 6.0.5+dfsg-1~bpo11+1		ld: 1/10	Т	
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# USB-C 1







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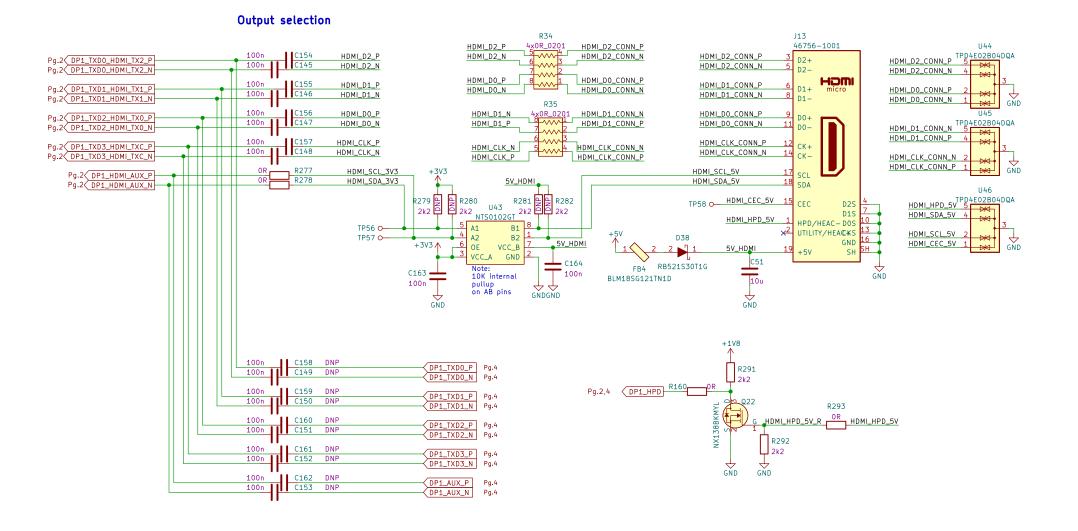
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Size: A3 Date: 2022-10-07 Rev: 1.0.0

KiCad E.D.A. eeschema 6.0.5+dfsg-1-bpo11+1 Id: 5/10

#### **HDMI** Connector







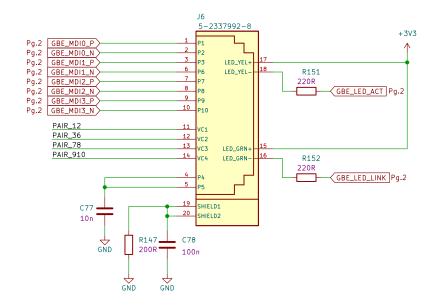
www.antmicro.com
Antmicro Ltd
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Title: Jetson Orin Baseboard

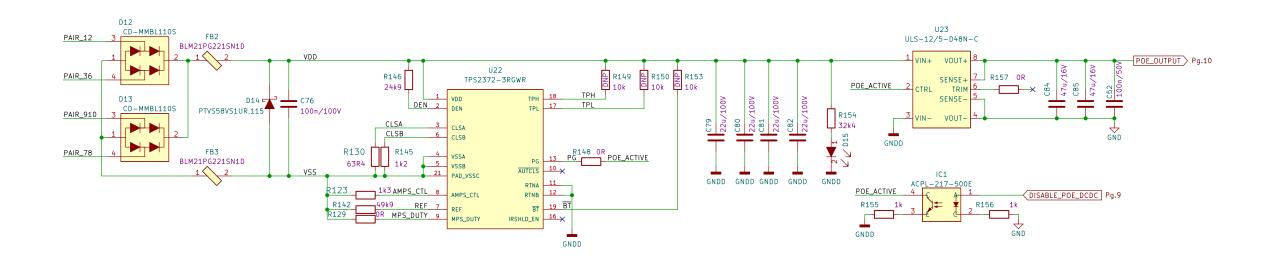
Size: A3 Date: 2022-10-07 Rev: 1.0.0

KiCad E.D.A. eeschema 6.0.5+dfsg-1-bpo11+1 Id: 6/10

## **Ethernet Connector**

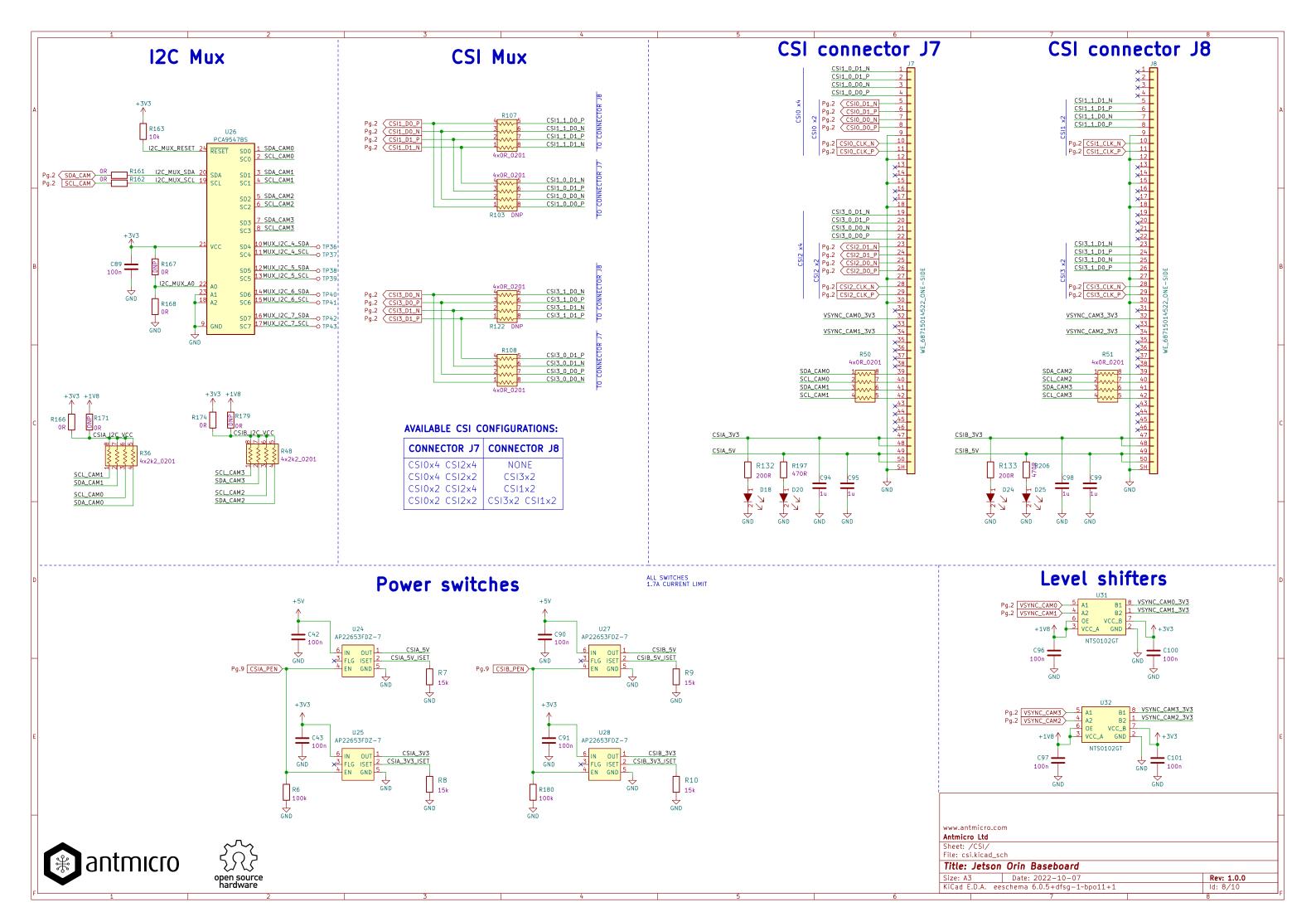


## Power over Ethernet









#### **Expansion connector** GPIO expander J11 ERF8-040-05.0-L-DV-K-TR R219 GPIOEX\_P0\_1 Pg.2 GPIO\_INT GPIOEX\_PO\_ PCIE2\_TX0\_CONN\_N OR GPIOEX\_I2C\_SDA13 OR GPIOEX\_I2C\_SCL12 PCIE2\_RX0\_N —○ TP34 GPIOEX\_RESET 1 RESET GPIOEX\_ADDR16 ADDR PCIE3\_CLK\_P CAL6408ABSHP R218 PCIE2\_RST\_CONN\* PCIE2\_CLKREQ\_CONN\* PCIE3\_CLKREQ\_CONN\* PCIE\_WAKE\_SEL\_EXT\_CONN GPI007\_CONN GPIO11\_CONN UART1\_TXD\_CONN USB\_CONN\_N USB\_CONN\_P **Expansion connector resistors** SPI1\_MOSI\_CONN Fan connector GPI007\_CONN GPI001\_CONN Pg. Pg.2 PCIE2\_RST\* Pg.2 PCIE2\_CLKREQ\* Pg.2 GPI001 PCIE\_WAKE\_SEL\_EXT\_CONN PCIE3\_CLKREQ\_CONN\* PCIE3\_RST\_CONN\* PCIE2\_CLKREQ\_CONN\* R100 3V3\_STDB Pg.2,10 4x330R\_0402 C114 <u></u> I2SO\_SCLK\_CONN UART1\_TXD\_CONN UART1\_RXD\_CONN Pg.2 UART1\_RXD GND 🕁 GPI009\_CONN Pg.2 GPI009 SPIO\_MOSI\_CONN SPIO\_SCK\_CONN SPI1\_MISO\_CONN SPI1\_MOSI\_CONN NTS0102GT Pg.2,3 USBO\_D\_N D22 1 TPD1E0B04DPYR Pg.2,3 USBO\_D\_P TPD1E0B04DPYR TPD1E0B04DPYR Pg.2 PCIE2\_RXO\_N TPD1E0B04DPYR TPD1E0B04DPYR Debug connector **Buttons LED** indicators TAG-CONNECT J9 TC2050-IDC-NL USBSS2\_TX\_CONN\_P D21 TPD1E0B04DPYR R232 R242 USER\_BTN0 Pg.2 USER\_BTN1 > Pg.2 S2 B3U-3000PM Pg.2 USER\_LED0 Pg.2 USER\_LED1 S3 B3U-3000PM R222 R230 ☐ 100k Ŭ 100k www.antmicro.com Antmicro Ltd Sheet: /Peripherals/ File: peripherals.kicad\_sch antmicro Title: Jetson Orin Baseboard Size: A3 Date: 2022-10-07 KiCad E.D.A. eeschema 6.0.5+dfsg-1~bpo11+1

