

*ZED Link Mono Capture Card

GMSL2

Deserializer board

Compatible with NVIDIA Orin™ NX and NANO,
Xavier™ NX and NANO Developer Kit

Supports 1 ZED X/ ZED-X Mini camera or 1
ZED X One camera

Requires external 5V to 19V DC power supply

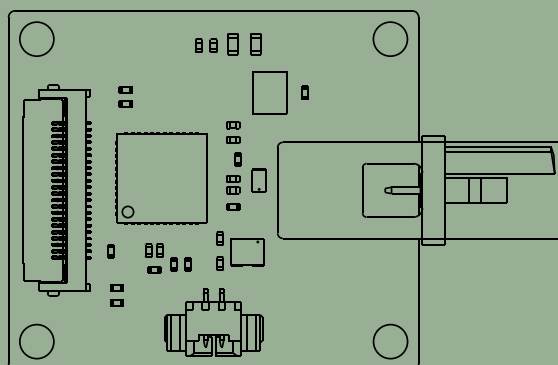
Support Power over cable (12V out)

Supports External Trigger / HW Sync through
MFP0 (Out) and MFP1 (In) (J4 Header)

Deserializer: Maxim MAX9296A

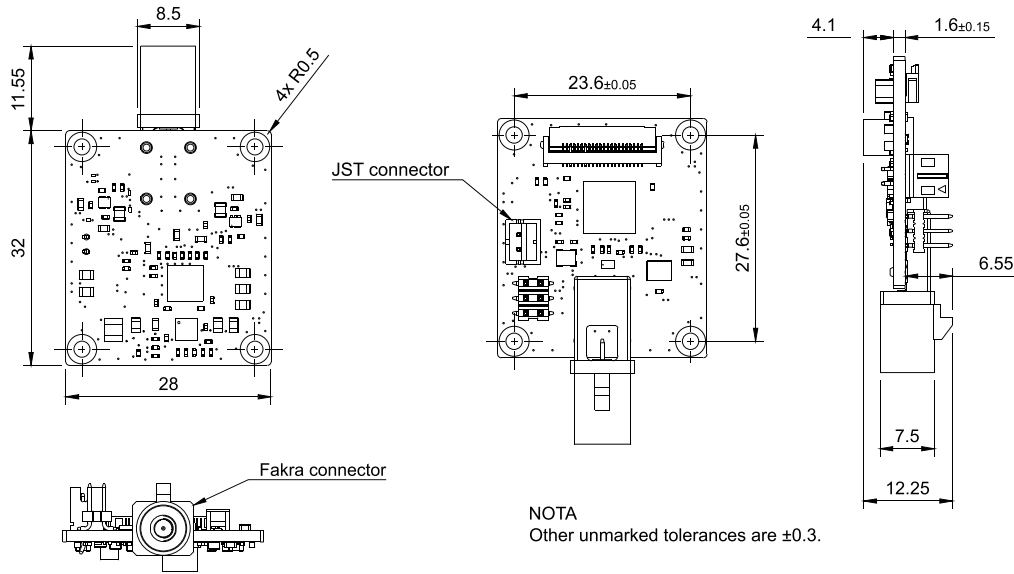
Operating temperature: -20°C ~ +85°C

Weight: ~ 8 g

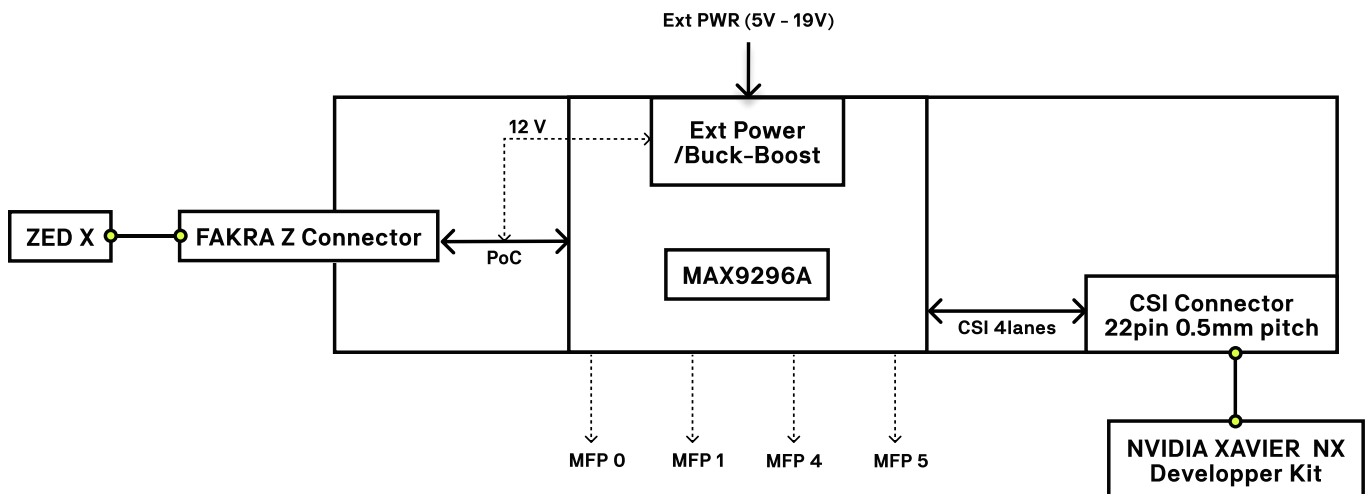


*ZED Link Mono Capture Card Technical Specifications

Dimensions



Functional diagram

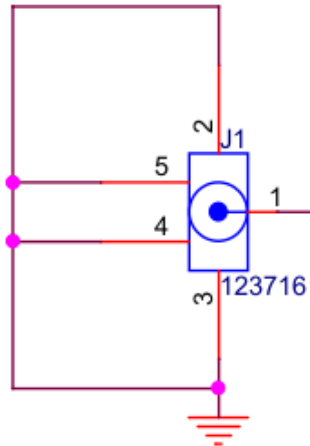


*ZED Link Mono Capture Card Interfaces

Interface J1 (Fakra)

Part number 59S2AQ-40MT5-Z_1

1 GMSL2 I/O



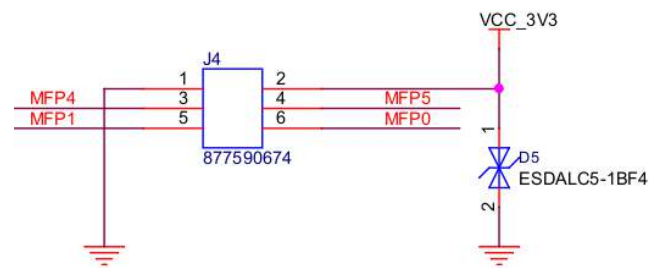
Interface J4 (GPIO Header)

Part number Molex 877590674

6 pins 2 mm pitch

MFP0 is used as FSync Output (master mode)

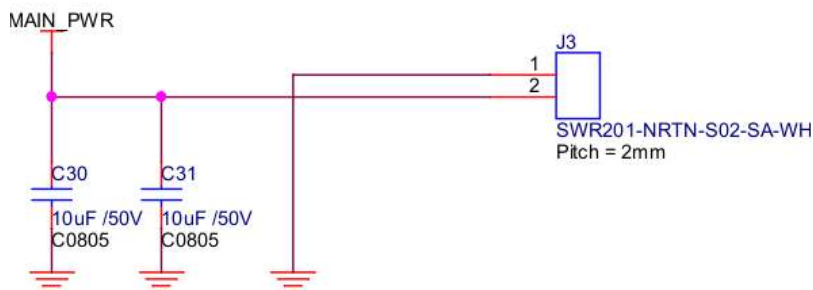
MFP1 can be used as FSync Input (slave mode)



Interface J1 (External 5V - 19V)

Part number SWR201-NRTN-S02-SA-WH or B2B-PH-K-S

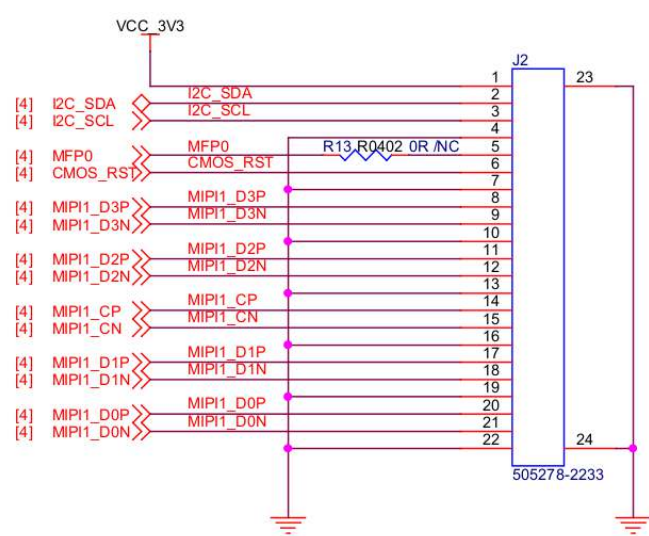
Pitch 2 mm



*ZED Link Mono Capture Card Interfaces

Interface J2 (MIPI CSI 22 pins)

- Part number Molex 505278-2233
- 22 pins 0.5 mm pitch
- Use a 15 pins 1mm pitch to 22 pins 0.5mm pitch cable for Jetson Xavier NX or Nano devKit
- Use a cables 22 pins 0.5mm pitch to 22 pins 0.5mm pitch OPP Side for Orin NX/Nano devKit



Revision History

Revision	Description	Release date
1.0	First release	03/21/2023

*ZED Link Duo Capture Card

GMSL2

Deserializer board

Compatible with NVIDIA Jetson AGX Orin™,
Orin™ NX and NANO Developer Kit

Compatible with NVIDIA Jetson AGX Xavier™,
Xavier™ NX and NANO Developer Kit

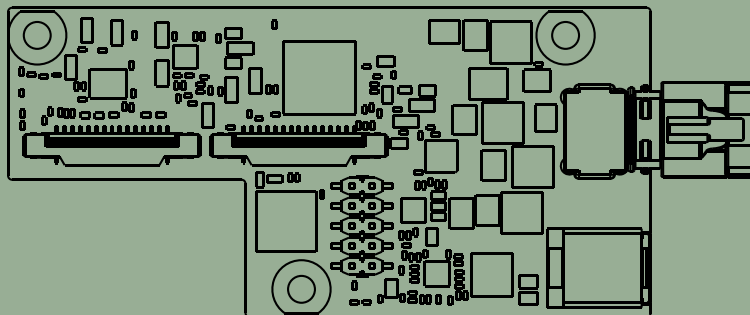
Supports up to 2 ZED X/ ZED-X Mini cameras
and 2 mono cameras

Supports external 14V-19V DC power supply

Deserializer: Maxim MAX96712

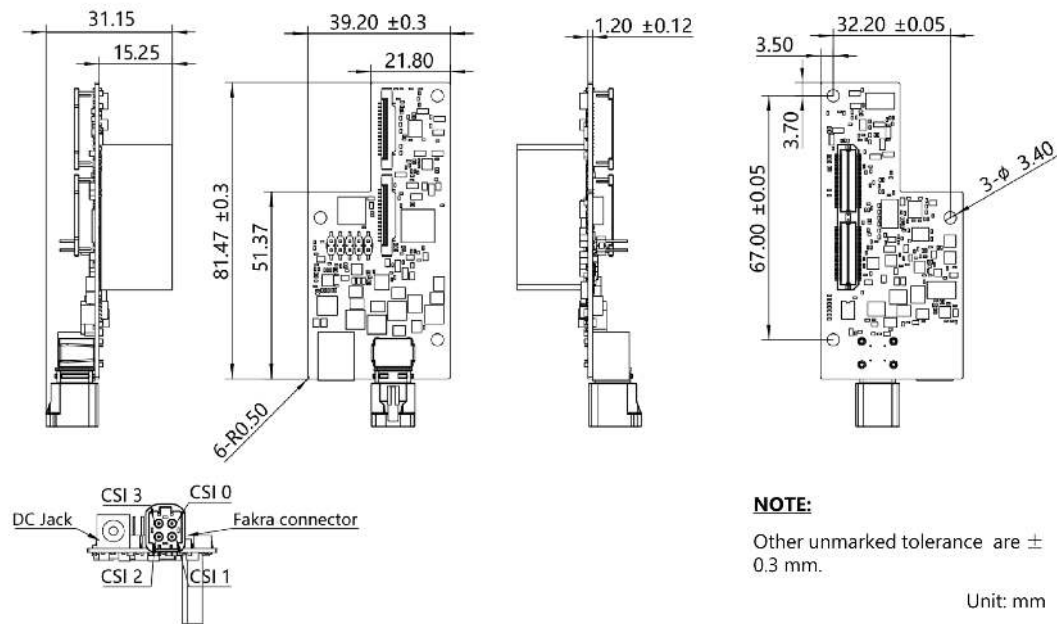
Operating temperature: -20°C ~ +85°C

Weight: ~ 30 g

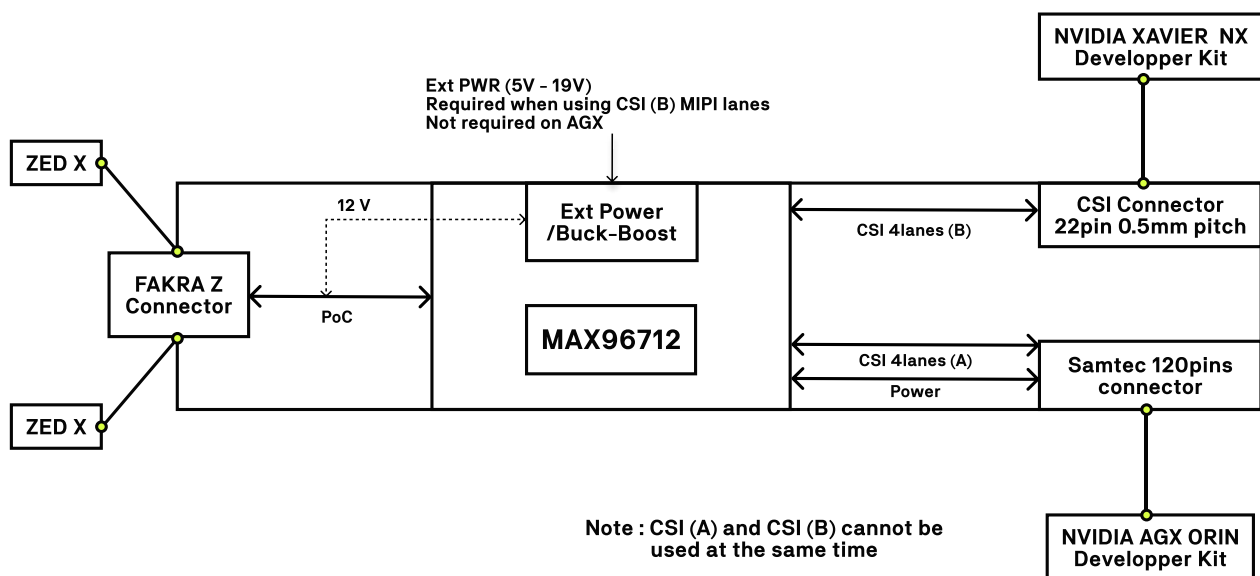


*ZED Link Duo Capture Card Technical Specifications

Dimensions



Functional diagram

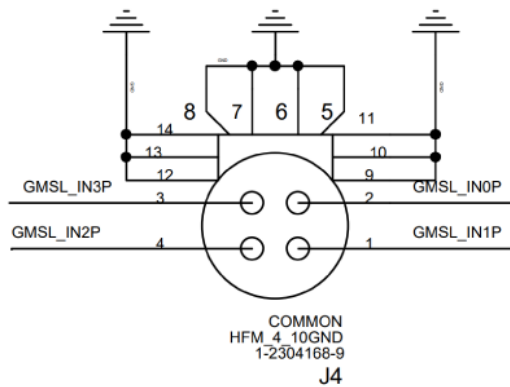


*ZED Link Duo Capture Card Interfaces

Interface J4 (Fakra)

Part number 1-2304169-Q

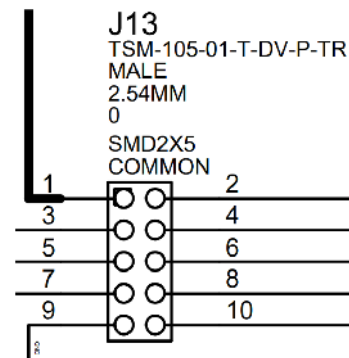
4 pins



Interface J13 (GPIO Header)

Part number TSM-105-01-T-DV-P-TR

10 pins



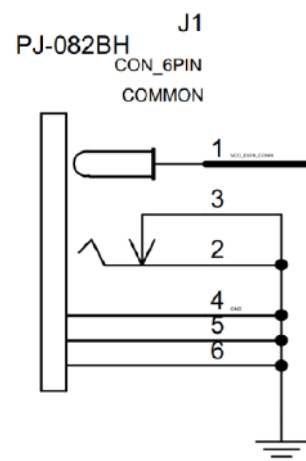
Interface J1 (External 19V)

Part number J-082BH

DC Jack

Inner diameter : 2.5mm

Outer diameter : 6.5mm



*ZED Link Duo Capture Card Interfaces

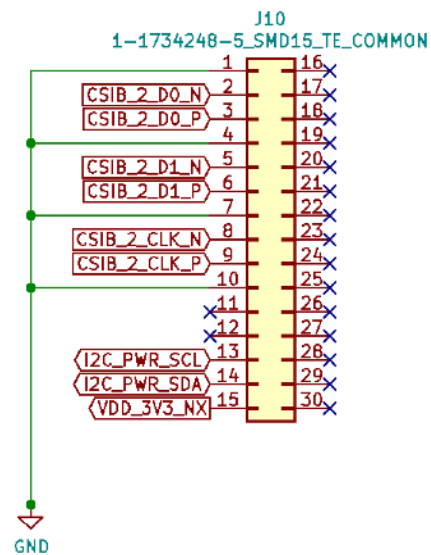
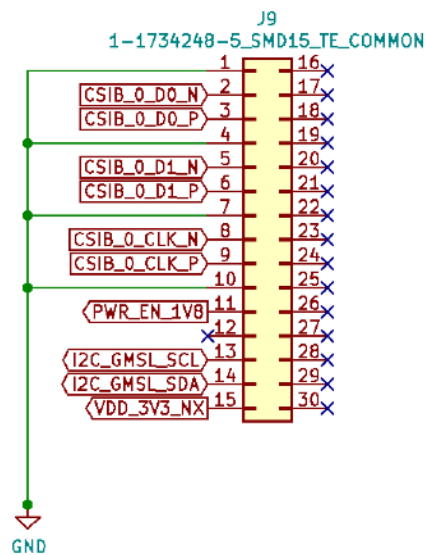
Interface J9 and J10 (MIPI CSI 15 pins)

Part number 1-1734248-5

2x15 pins

Can be connected to Jetson Orin™ and Xavier™ NX and Nano Developer Kits using Arducam 15 to 22 MIPI cables

Cannot be used simultaneously with the Samtec 120 pins connector J501mm



*ZED Link Duo Capture Card Interfaces

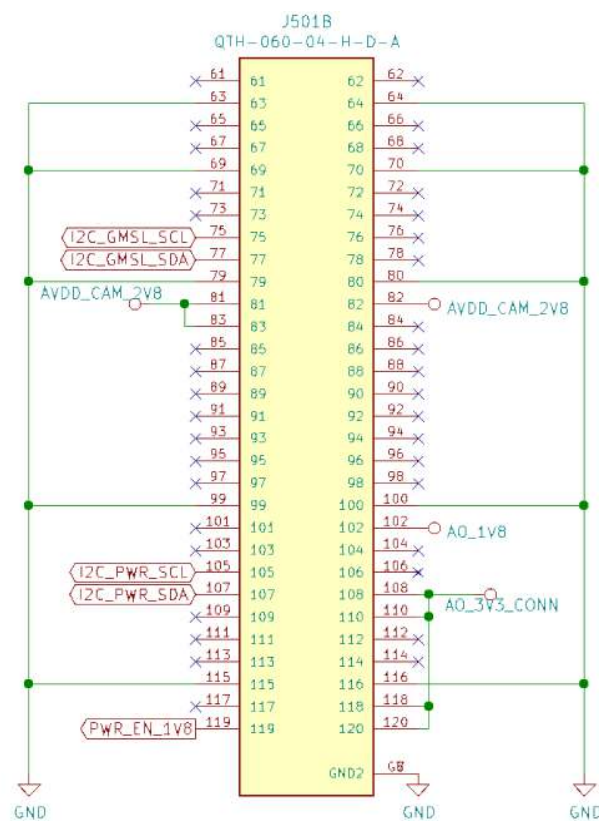
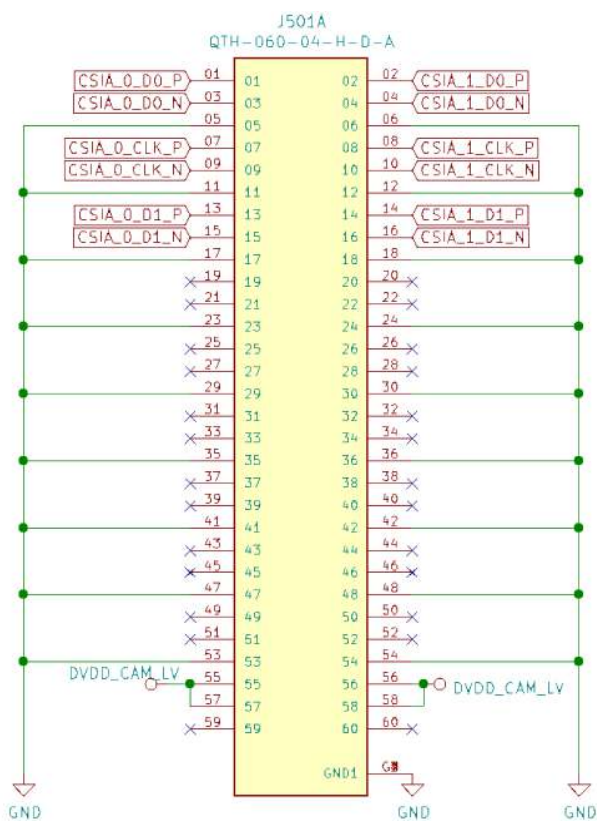
Interface J501 (Samtec to AGX)

Part number QTH-060-04-H-D-A-TR

120 pins

Can be used with Orin AGX and Xavier AGX Developer Kits

16mm board to board distance



Interface J501 (Samtec to AGX)

Revision	Description	Release date
1.0	First release	03/21/2023

*ZED Link Quad Capture Card

GMSL2

Deserializer board

Compatible with NVIDIA Jetson AGX Orin™,
AGX Xavier™ Developer Kit

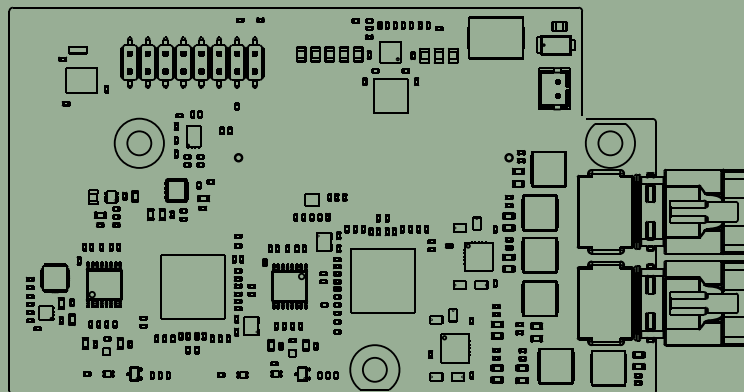
Supports up to 4 ZED X/ ZED-X Mini cameras
and 4 ZED X One mono cameras

Requires external 9V to 19V power supply

Deserializer: 2 x Maxim MAX96712

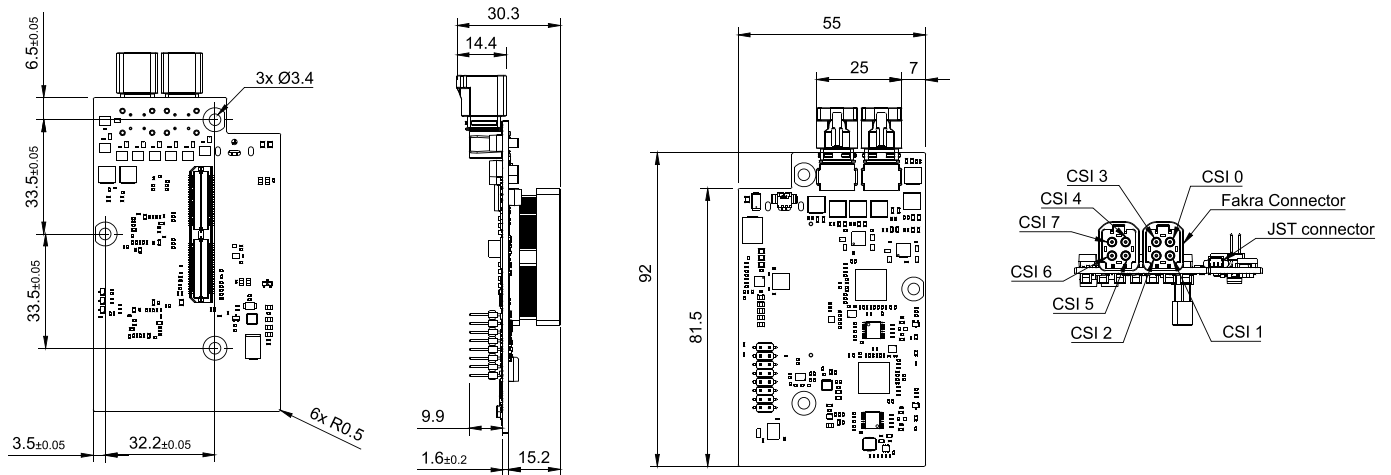
Operating temperature: -20°C ~ +75°C

Weight: ~ 55 g



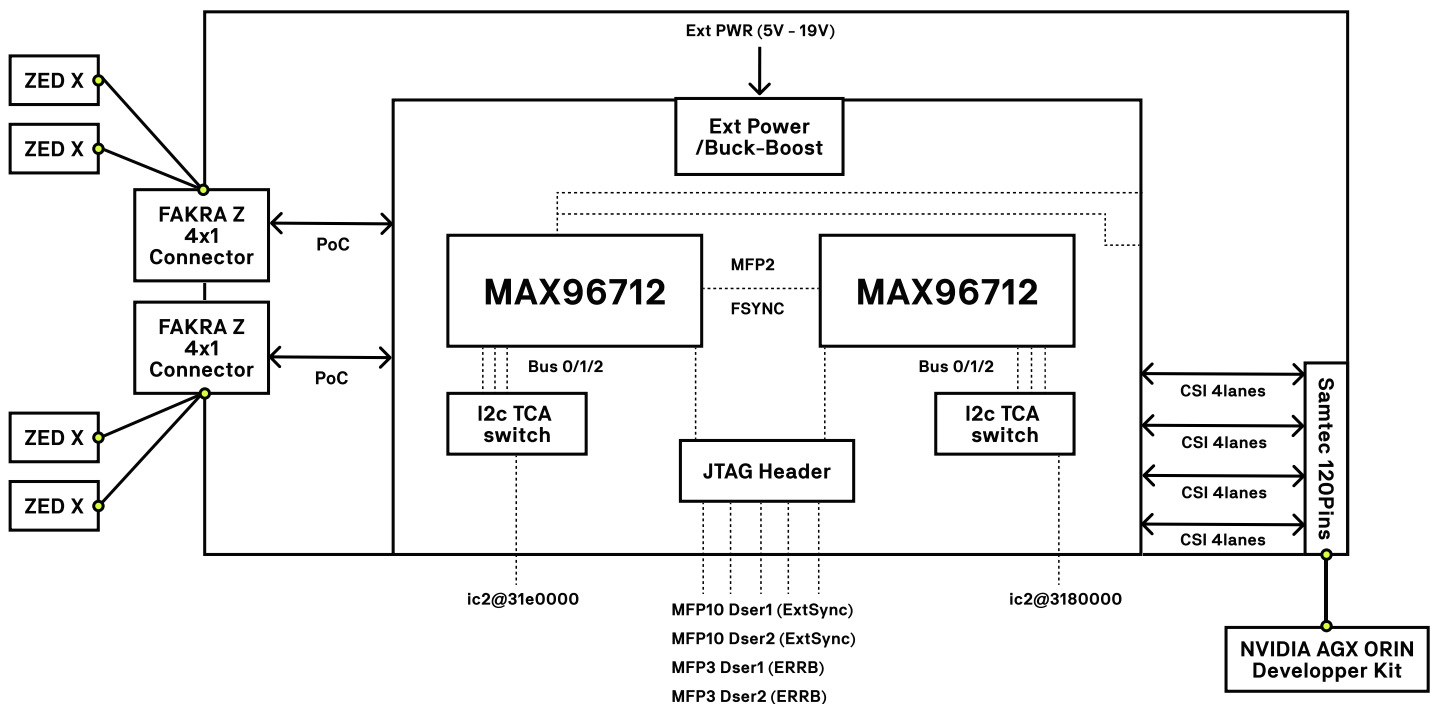
*ZED Link Quad Capture Card Technical Specifications

Dimensions



NOTA
Other unmarked tolerances are ±0.3mm

Functional diagram

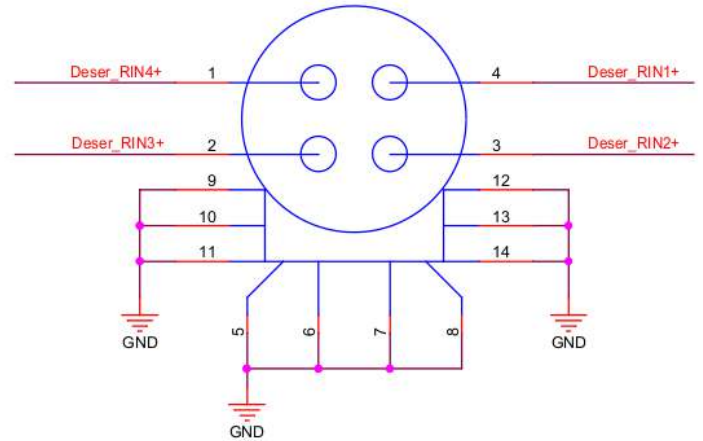


*ZED Link Quad Capture Card Interfaces

Interface J1 & J2 (Fakra Z 4x1)

Part number TE 1-2304168-9

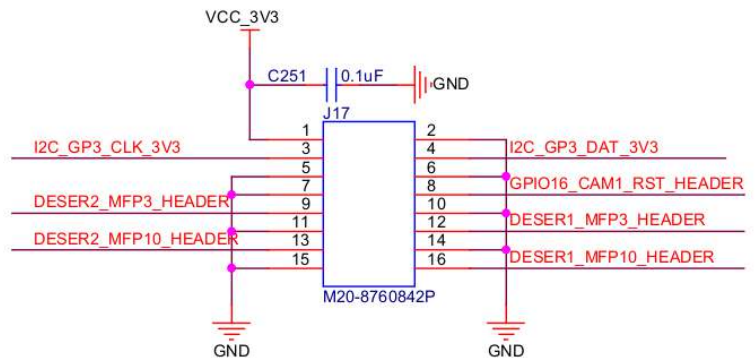
2x 4 GMSL2 I/O



Interface J4 (GPIO Header)

Part number Harwin M20-8760842P

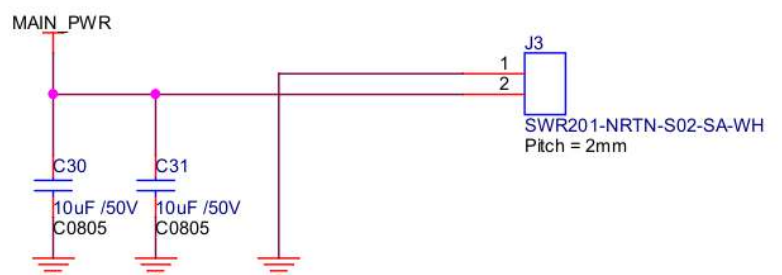
16 pins 2.54mm pitch



Interface J1 External (5V - 19V)

Part number SWR201-NRTN-S02-SA-WH or B2B-PH-K-S

Pitch 2 mm



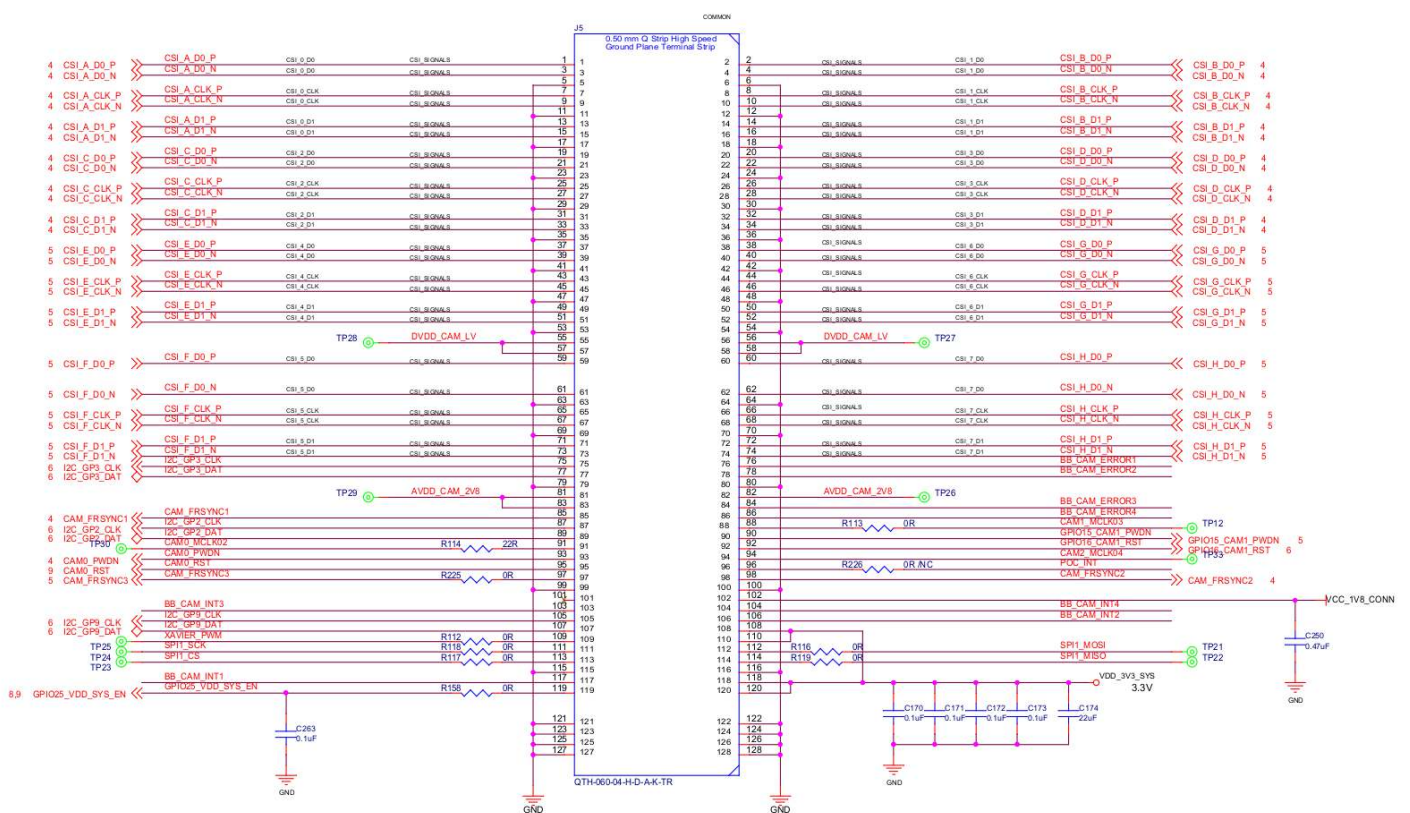
*ZED Link Quad Capture Card Interfaces

Interface J5 (Samtec to AGX)

Part number Samtec QTH-060-04-H-D-A-K-TR

Can be used with Orin AGX and Xavier AGX Developer Kits

16mm board to board distance



Interface J501 (Samtec to AGX)

Revision	Description	Release date
1.0	First release	03/21/2023

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[StereoLabs:](#)

[GMSL2 Capture Card Quad](#) [GMSL2 Capture Card Mono](#) [GMSL2 Capture Card Duo](#)