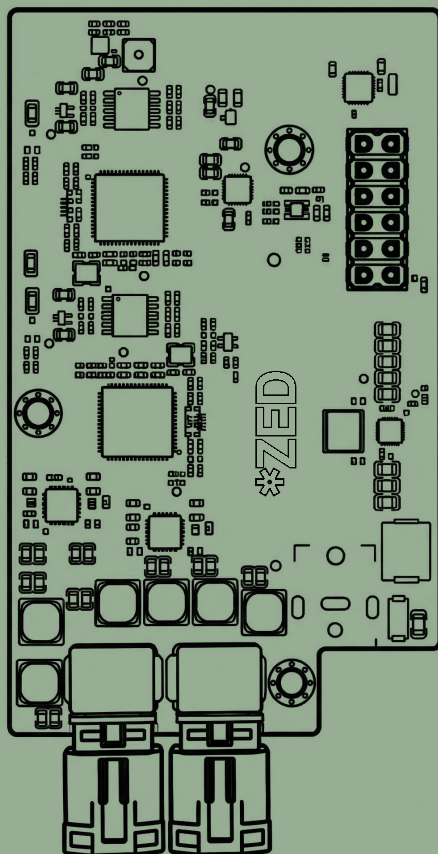


*ZED Link Capture Card Quad

Overview & Datasheet

The ZED Link Quad is a high-density GMSL2 capture card engineered to maximize sensor integration on the NVIDIA® Jetson Orin™ platform. Capable of interfacing with up to eight cameras, it provides an unprecedented 40Gbps total bandwidth with ultra-low latency. This makes it the ultimate choice for the most demanding deployments that require 360° surround perception, comprehensive multi-angle coverage, or massive high-resolution sensor arrays.



*ZED Link Capture Card Quad Datasheet Revision History

Document Version	Description	Revision Date
1.0	● Initial release	March 2023
1.1	● Added: Dimensions on technical drawings	May 2025
1.2	● Added: ZED Link Capture Card Quad Part Numbers	April 2026
1.3	● Minor corrections: Typos, wording	September 2026

*ZED Link Capture Card Quad General Specifications

Massive 8-Camera Deployment

The ZED Link Capture Card Quad is the definitive choice for large-scale vision applications, capable of managing up to eight cameras. Its architecture is engineered for 360° situational awareness, making it ideal for advanced surround perception applications.

Ultra-Large Bandwidth

Engineered with a 40Gbps total bandwidth capacity, the ZED Link Quad maximizes system throughput. It supports simultaneous processing of multiple high-resolution streams, ensuring absolute data integrity for complex, advanced multi-sensor deployments.

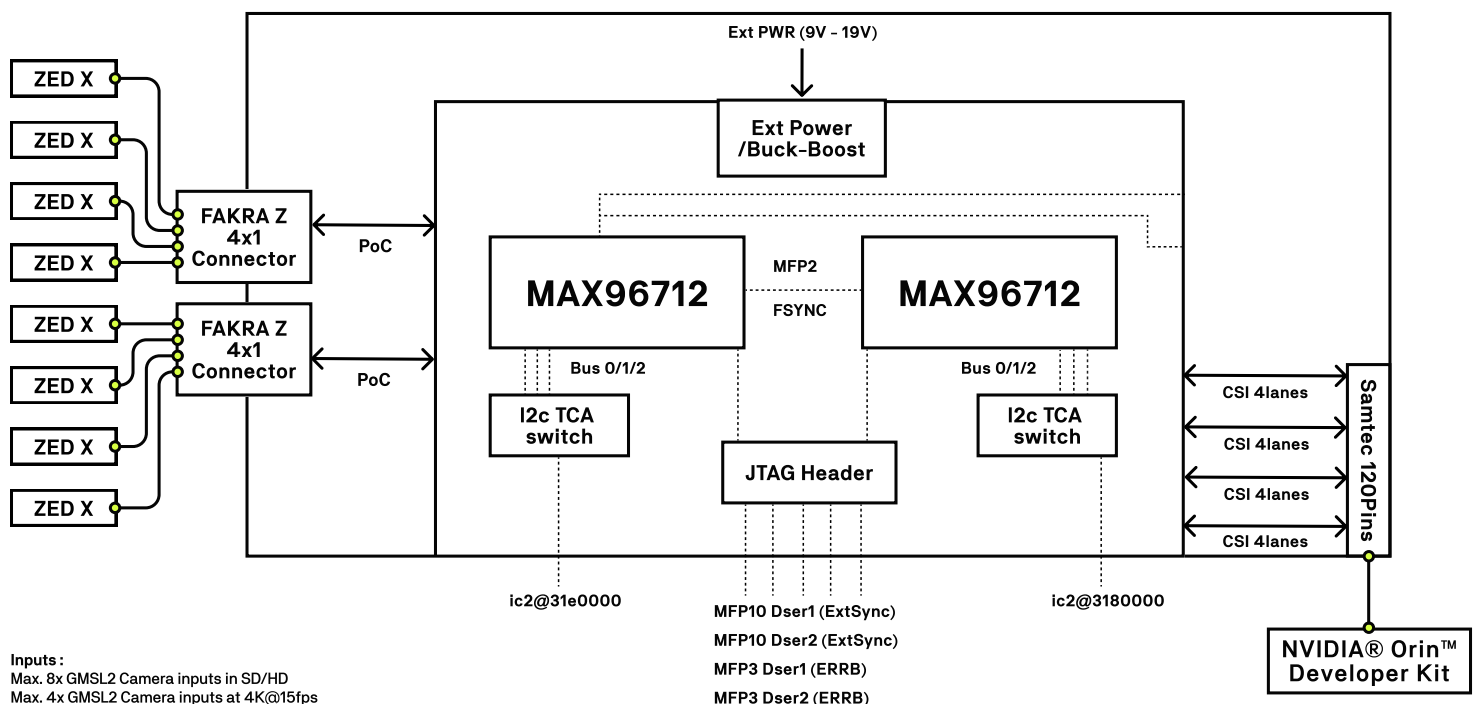
Secure Board to Board Connection

Designed to leverage the full power of the NVIDIA® Jetson AGX Orin™, the ZED Link Quad features a robust board-to-board connector. This secure interface is built to withstand high-vibration and tough conditions, ensuring a reliable, secure connection.

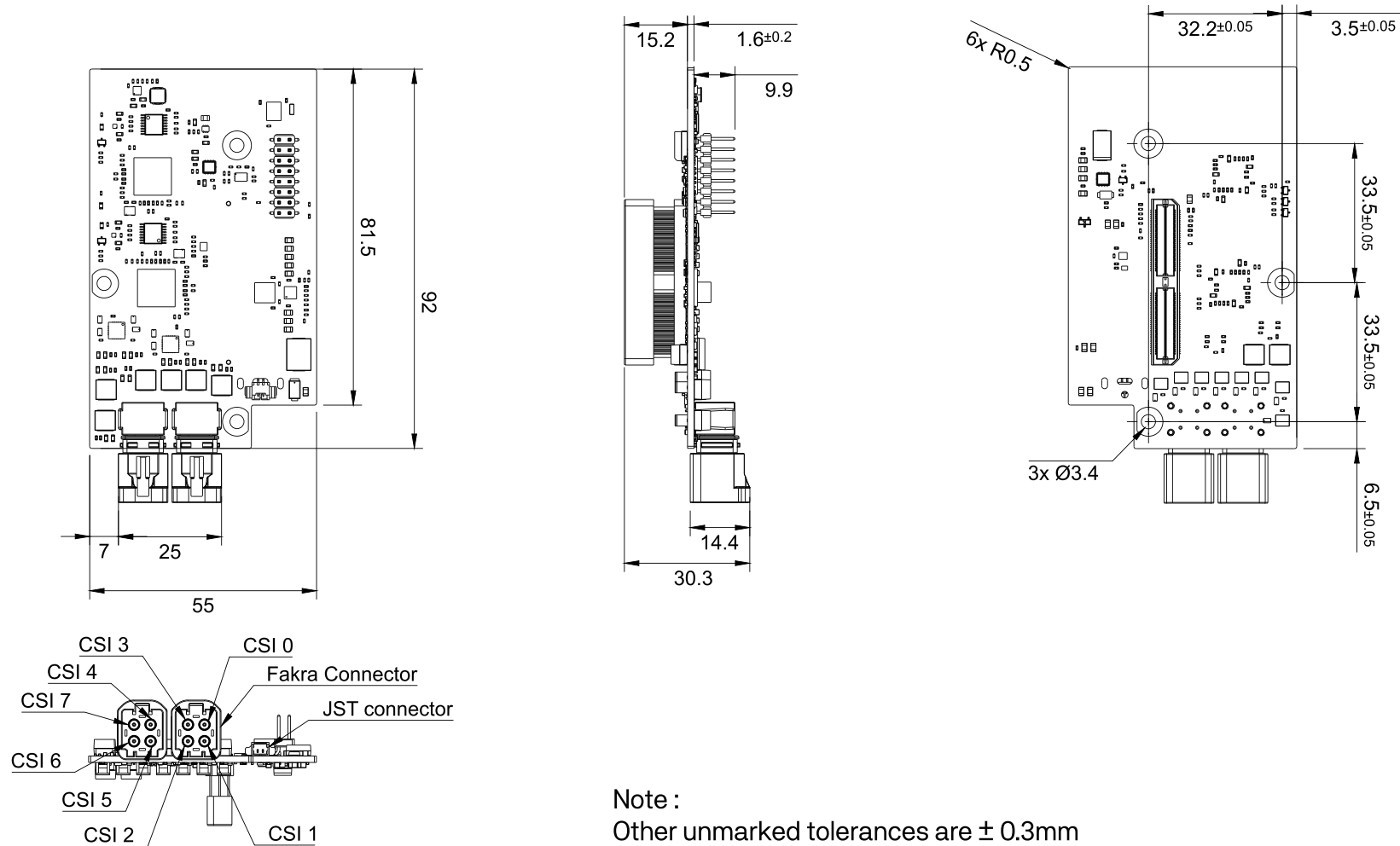
ZED Link Capture Card Quad General Specifications

Computer Compatibility	NVIDIA® Jetson AGX Orin™
Camera Compatibility	ZED Link Quad is compatible with all ZED X / ZED X One camera models
Capture Capability	Max. 8x GMSL2 Camera inputs in SD/HD Max. 4x GMSL2 Camera inputs at 4K@15fps
Deserializer	2x MAX96712
Input Voltage	9 - 19V DC
Typical Power Consumption	~0.29W
Operating Temperature	-20°C to +75°C
Weight	~55g

Functional diagram



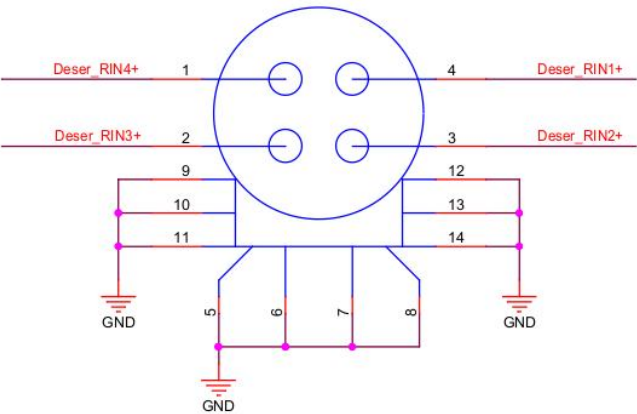
*ZED Link Capture Card Quad Technical Drawings



*ZED Link Capture Card Quad Interfaces

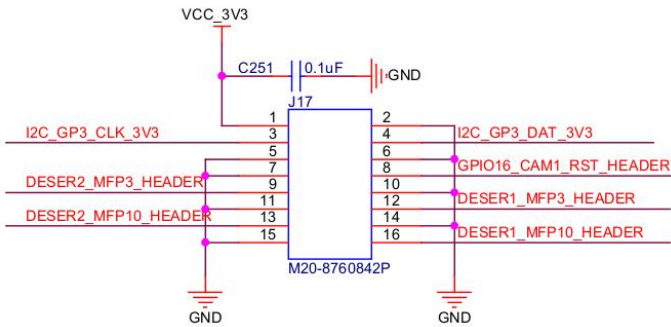
Interface J1 & J2 (Fakra Z 4x1)

Part Number	TE 1-2304168-9
Connector Type	2x FAKRA Z Connector



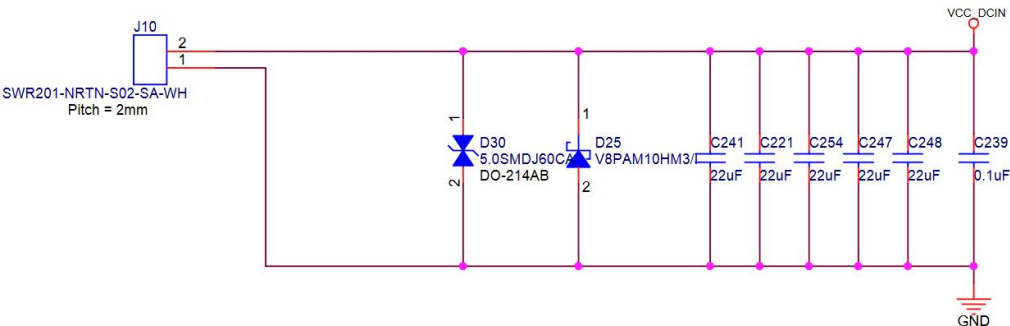
Interface J17 (GPIO Header)

Part Number	Harwin M20-8760842P
Connector Profile	16 pins 2.54 mm pitch
I/O Configuration	MFP10 can be used as Fsync Input (Slave Mode) or Output (Master Mode)



Interface J10 (External 9V - 19V)

Part Number	SWR201-NRTN-S02-SA-WH or B2B-PH-K-S
Connector Profile	2 pins 2 mm pitch



Interface J5 (Samtec to AGX)

StereoLabs* stereolabs.com



*ZED Link Capture Card Quad Part Number

ZED Link Capture Card Quad Part Number

ZED Link Capture Card Quad	
SKU	ACC-212000