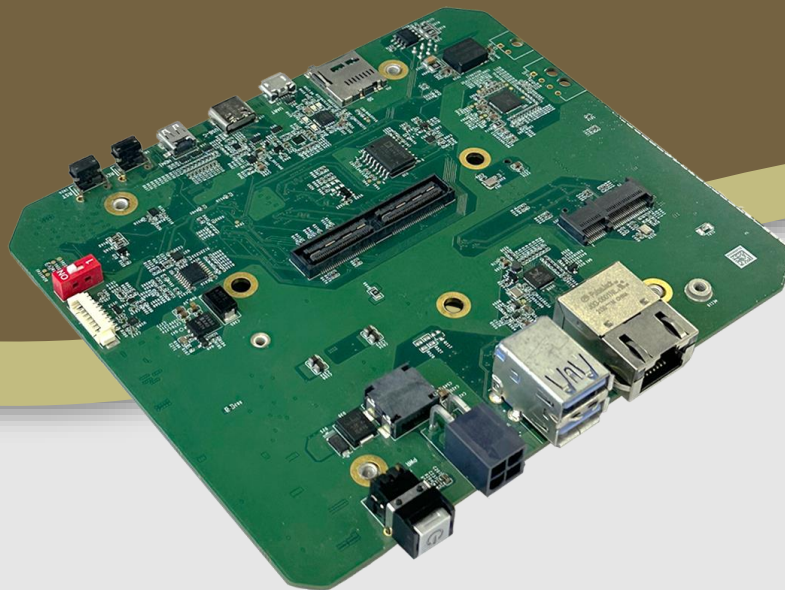




LEOPARD
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LI-AGO-CB



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Sales:

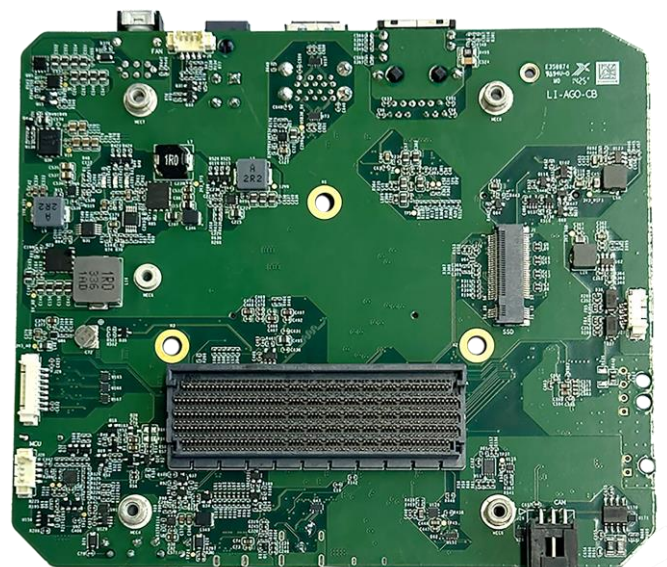
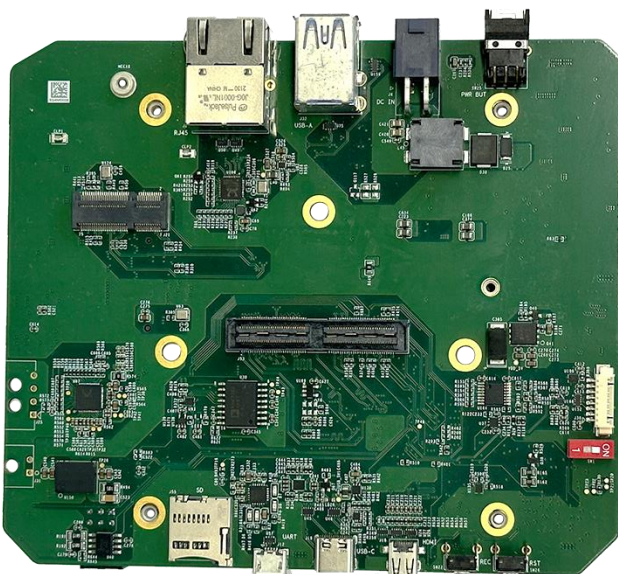
sales@leopardimaging.com

Support:

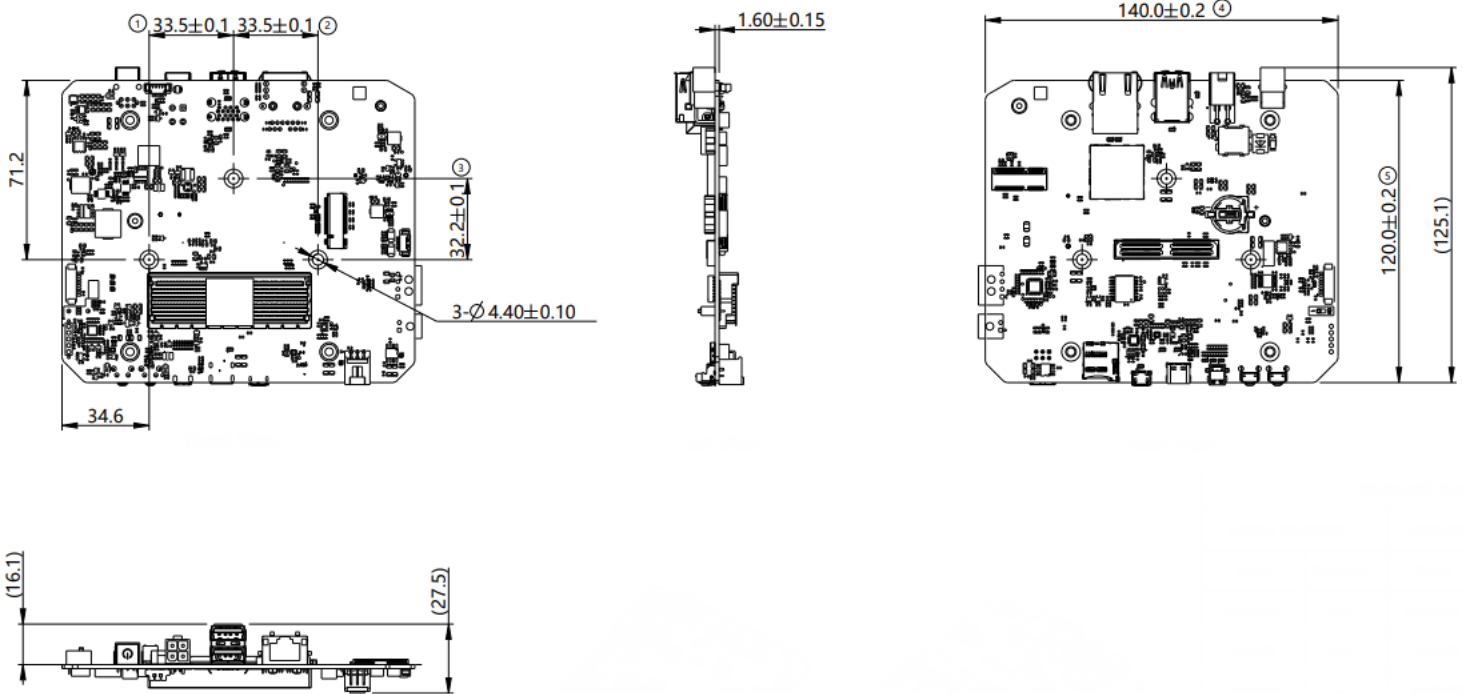
support@leopardimaging.com

TECHNICAL FEATURES

- Carrier board for NVIDIA® Jetson AGX Orin™ SOM
- 1 x Camera adapter board connection interface
- 1 x Push button power switch
- 1 x Power socket interface
- 2 x USB3.0 Type-A interfaces (stacked)
- 1 x USB3.0 Type-C interface
- 1 x RJ45 Gigabit Ethernet interfaces
- 1 x Micro HDMI interface
- 1 x USB 2.0 Micro-B interface (UART to USB20)
- 1 x Fan connector (4-pin)
- 1 x Micro SD card interface
- 1 x M.2 Key-E interface for WIFI & Bluetooth
- 1 x M.2 Key-M interface for SSD
- Operating temperature: TBD
- Weight: ~ 135 g



DIMENSIONS



NOTE:

- ⊗ marked are important sizes.
- Tolerances for others unmarked - refer to the Tolerance Table.
- All materials are compliant with RoHS requirements.
- Unit: mm

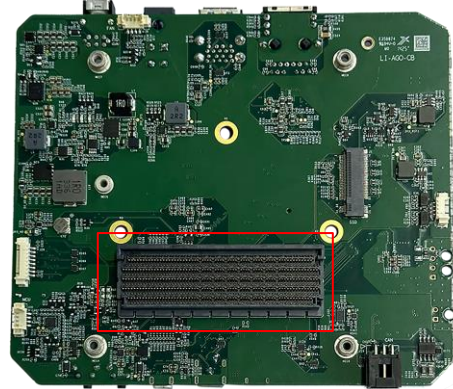
TOLERANCE TABLE					
LENGTH TOLERANCE		CHAMFER TOLERANCE		ANGLE TOLERANCE	
Size X	Tolerance	Size X	Tolerance	Size X	Tolerance
0.5 < X ≤ 3	±0.1	0.5 < X ≤ 3	±0.2	X ≤ 10	±1°
3 < X ≤ 6	±0.1	3 < X ≤ 6	±0.5	10 < X ≤ 50	±30'
6 < X ≤ 30	±0.2	6 < X ≤ 30	±1	50 < X ≤ 120	±20'
30 < X ≤ 120	±0.3	X > 30	±2	120 < X ≤ 400	±10'
120 < X ≤ 400	±0.5			X > 400	±5'
400 < X ≤ 1000	±0.8				
X > 1000	±1.2				

BOM

#	Items	QTY	Unit
1	LI-AGO-CB V3.0	1	Piece
2	19 VDC power supply: 1 x 19V power adapter + 1 x cable adapter NOTE: The cable adapter is for testing only	1	Set
3	USB30 cable A Plug to A Plug for system flash	1	Piece

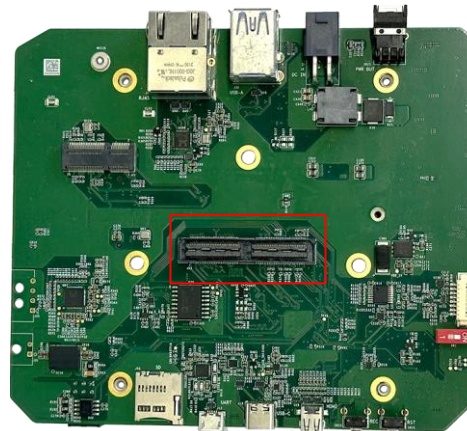
Interface For AGX Orin SOM (J11)

- Part#: 2034560003
- Number of Positions: 699
- Number of Rows: 11



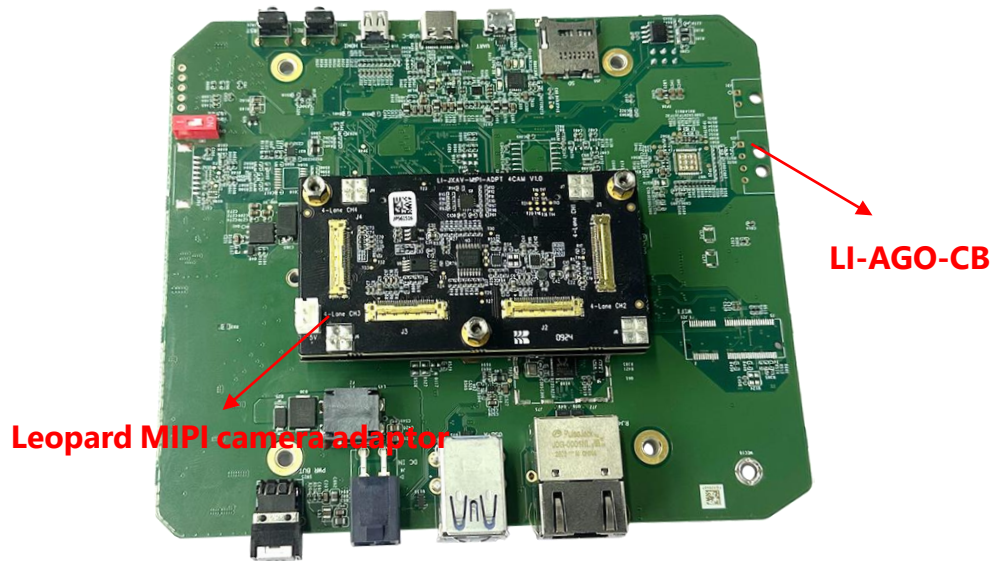
MIPI CSI / GMSL2 Extension Interface (J53)

- Part#: QSH-060-01-H-D-A
- Number of Positions: 120
- Number of Rows: 2
- Pitch: 0.5 mm



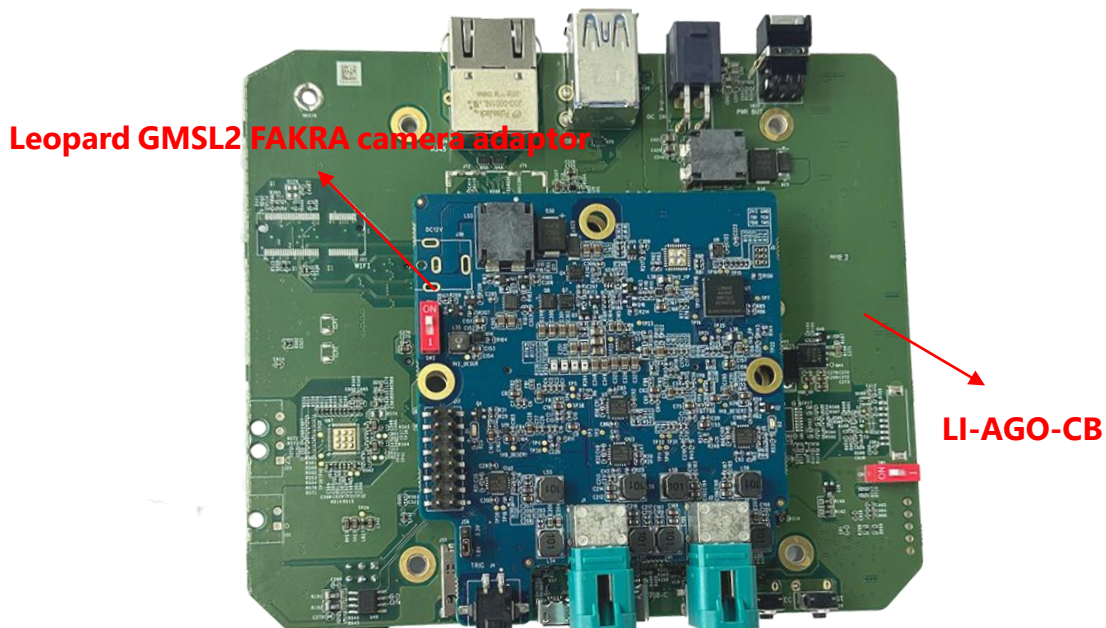
Typical adaptor board connection for Leopard Imaging MIPI cameras

✓ Supports up to 4x Leopard MIPI camera



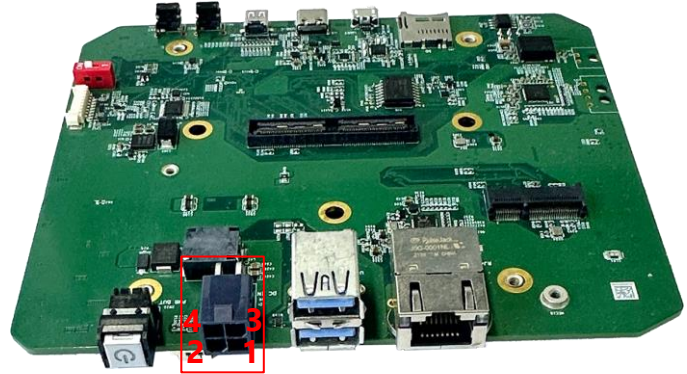
Typical adaptor board connection for leopard Imaging GMSL2 cameras

✓ Supports up to 8x Leopard GMSL2 camera



Power Supply Interface (J6)

- Part#: 1724480004
 - Number of Positions: 4
 - Power supply range: 12 ~ 20 VDC
- Note:** 19 VDC in default.

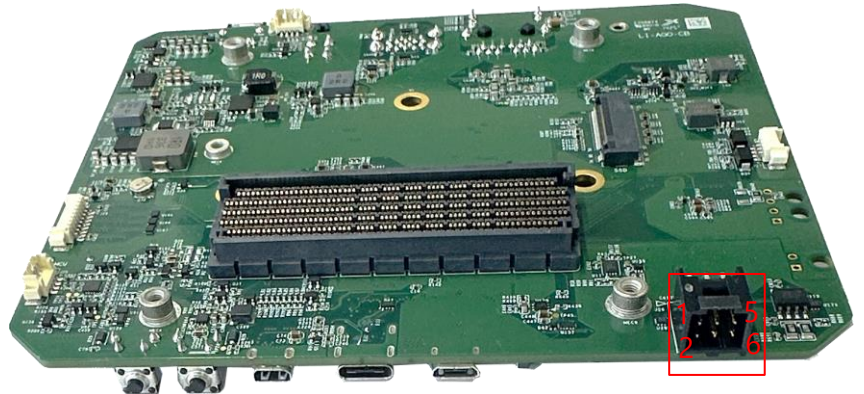


PINOUT

Pin No	Pin Name	Description	Pin Type	Voltage Level
1	VCC	Power supply	Power	12V ~ 20V
2	VCC	Power supply	Power	12V ~ 20V
3	GND	GND	-	-
4	GND	GND	-	-

CAN Interface (J26)

- Part#: 0901303206
- Number of Positions: 6

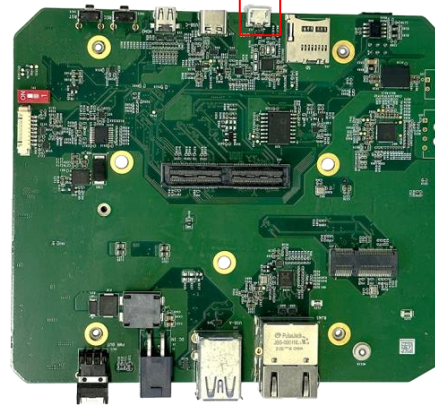


PINOUT

Pin No	Pin Name	Description	Pin Type	Voltage Level
1	VDD5V_ISO	Power supply output	Power	5V
2	CAN0_H_OUT	H signal of CAN0	Bidir	5V
3	CAN0_L_OUT	L signal of CAN0	Bidir	5V
4	GND	GND	-	-
5	CAN1_H_OUT	H signal of CAN1	Bidir	5V
6	CAN1_L_OUT	L signal of CAN1	Bidir	5V

UART Port J12 (USB2.0 Micro-B)

- USB2.0 UART bridge integrated



RS232 INTERFACE (J27)

- Part#: 532610471
- Number of Positions: 4

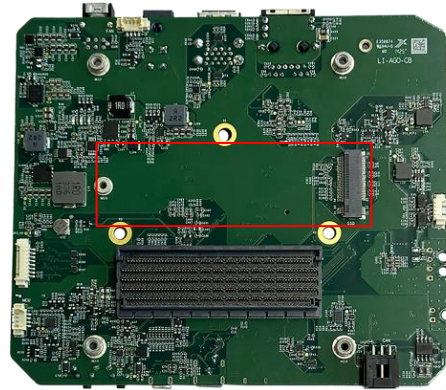


PINOUT

Pin No	Pin Name	Description	Pin Type	Voltage Level
1	VDD5V_ISO	Power supply output	Power	5V
2	RS232_OUT1_TX	TX signal of RS232	Output	$\pm 5V$
3	RS232_OUT1_RX	RX signal of RS232	Input	$\pm 30V$
4	GND	GND	-	-

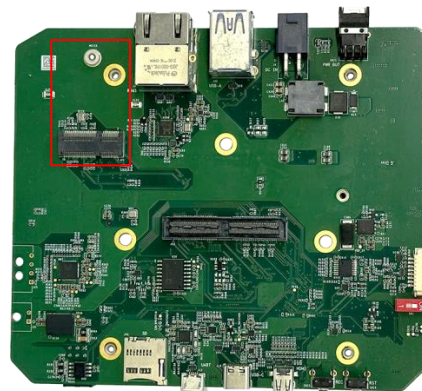
- M.2 Key M Connector for SSD

- Part#: SM3ZS067U310AMR1200
- Number of Positions: 67



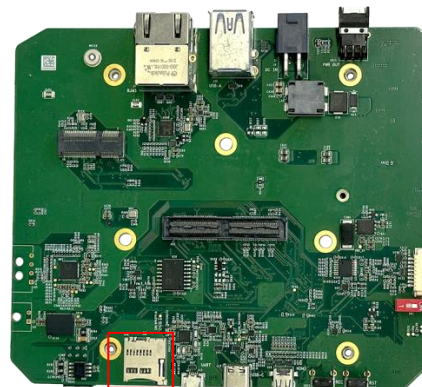
- M.2 Key E Connector for WIFI & Bluetooth

- Part#: 246411067401894E
- Number of Positions: 67



- SD Card Interface

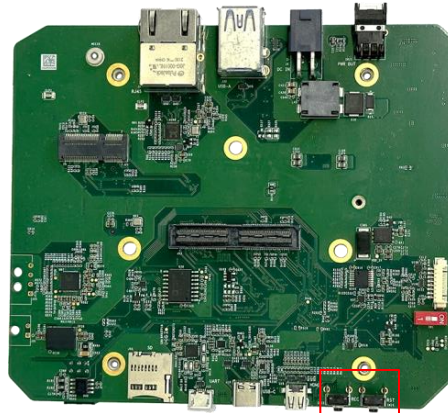
- SD Card Memory: Supports up to 2TB



• BUTTONS (Recovery & Reset)

■ Part#: 1571610-2

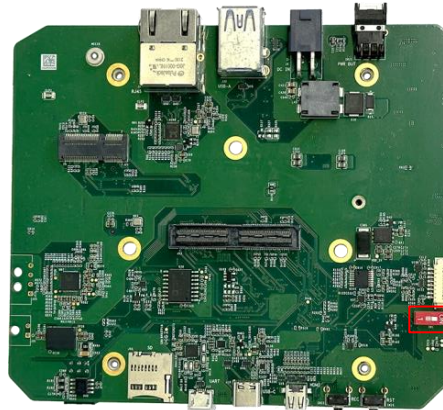
Button	Function
SW22	Recovery
SW26	Reset



• BOOT MODE (SW1)

■ Part#: ZX-2.54BM-1PZC

Status	Boot Mode
On	Auto Mode
1	Manual Mode



● REVISION HISTORY

Revision	Description	Release Date
1.0	First release.	16 May 2023
1.1	1. Updated technical features and BOM. 2. Replaced schematics of interface J9 and J58 with actual interface pictures.	04 Sep 2023
1.2	1. Updated pictures, dimensions and interfaces info.	01 Sep 2025

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