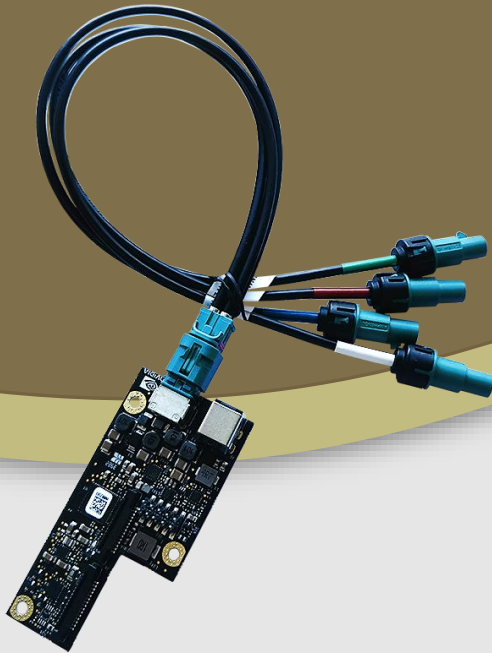




LEOPARD
IMAGING

E3653-A03



Address:

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Sales:

sales@leopardimaging.com

Support:

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TECHNICAL FEATURES

- Compatible with NVIDIA® Jetson AGX Xavier™ and AGX Orin™ Developer Kit
- Includes two items: E3653-A03 board + LI-FCB-4T1-SS-0.3M-NP-A0 cable
- Supports up to 4 GMSL2 cameras
- Supports external 19 VDC power supply
- Deserializer: Maxim MAX96712
- Operating temperature: -20°C ~ +85°C
- Weight: ~ 30 g (without cable)
- Part#: **E3653-A03**



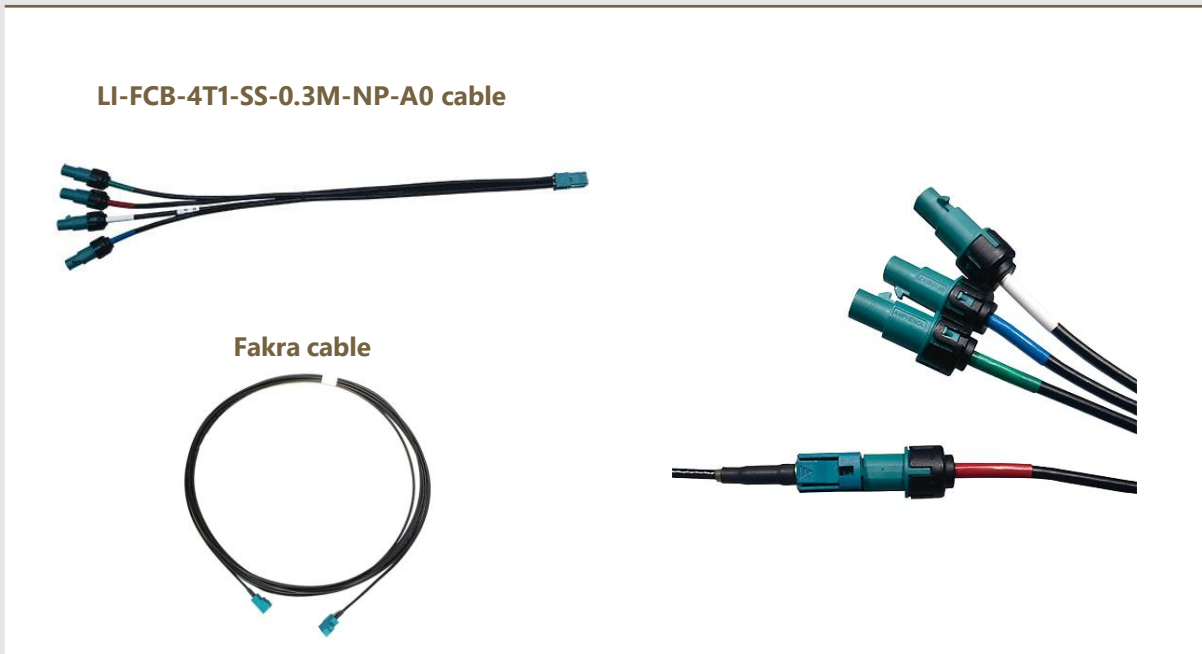
BOM DETAILS

#	Items	Part Number	QTY
1	GMSL2 DeSer Board	E3653-A03	1
2	4T1 cable (length: 0.3 m)	LI-FCB-4T1-SS-0.3M-NP-A0	1

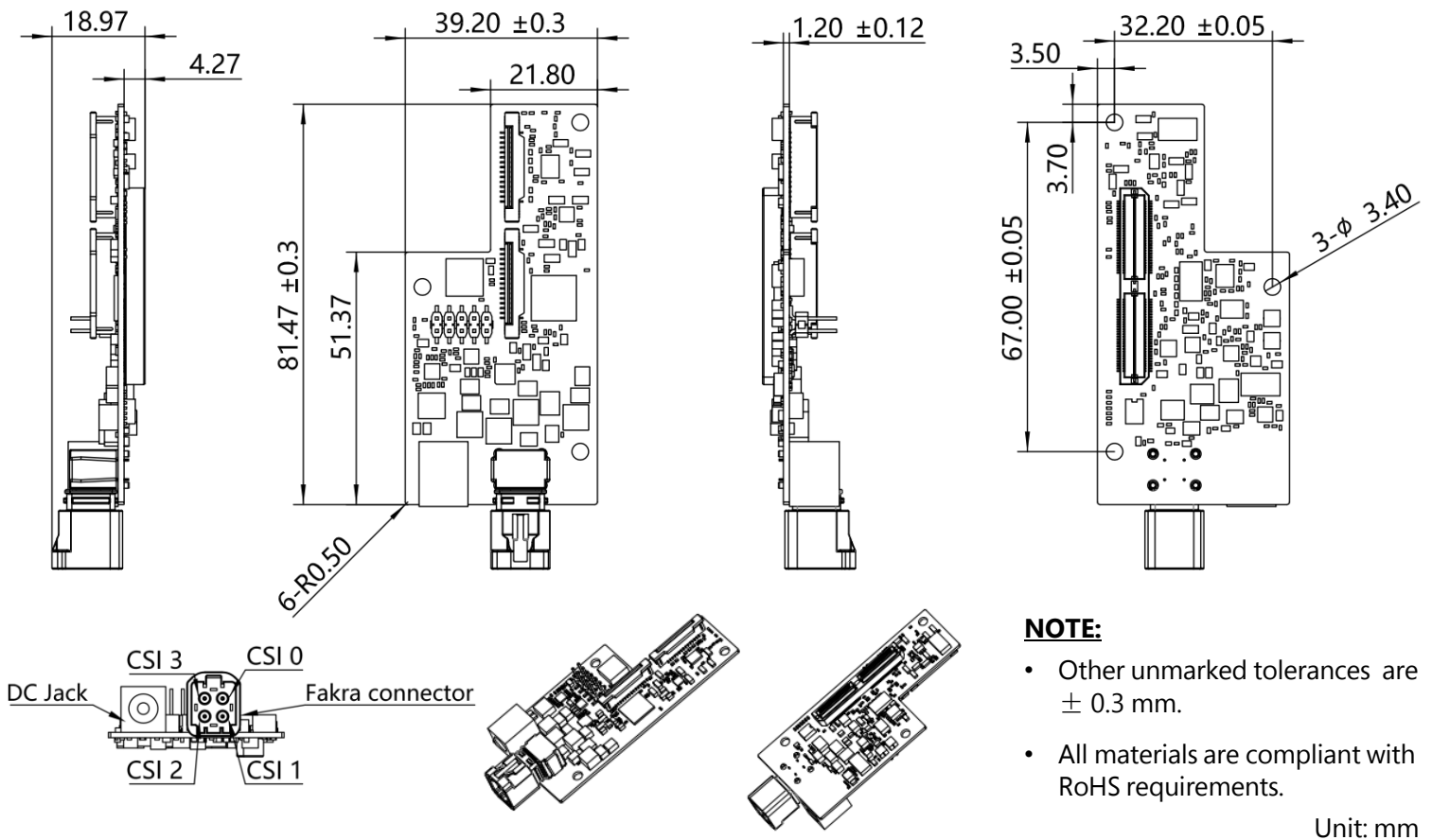
NOTE:

LI-FCB-4T1-SS-0.3M-NP-A0 could connect to the following Fakra cables:

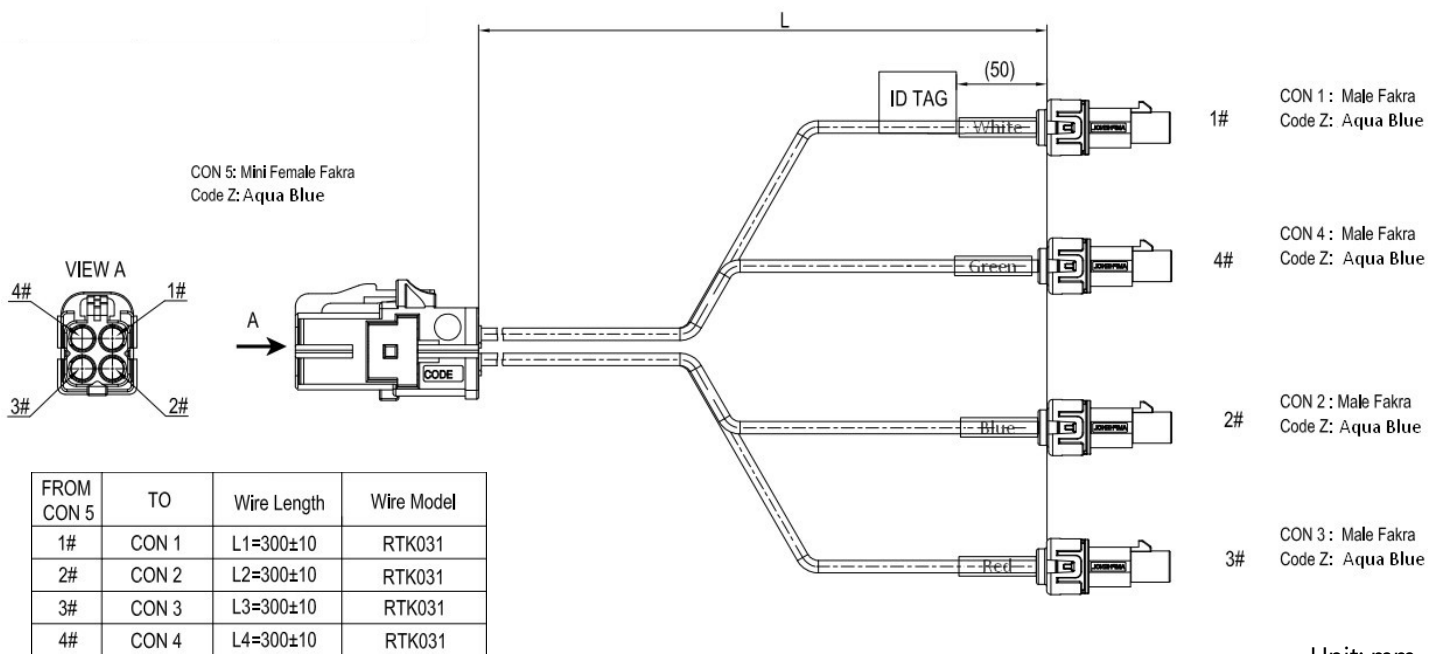
#	Items	Length	Website Address
1	FAK-SMZSMZ-6M	6 m	https://leopardimaging.com/product/accessories/cables/fak-smzsmz-6m/
2	FAK-SMZSMZ-5M	5 m	https://leopardimaging.com/product/accessories/cables/fak-smzsmz-5m/
3	FAK-SMZSMZ-3M	3 m	https://leopardimaging.com/product/accessories/cables/fak-smzsmz/



DIMENSIONS: E3653-A03 BOARD

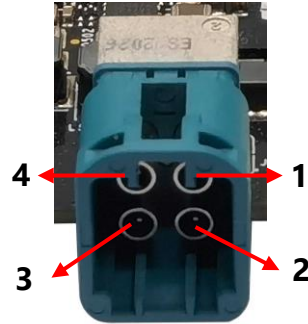


MECHANICAL DIAGRAM: LI-FCB-4T1-SS-0.3M-NP-A0 CABLE



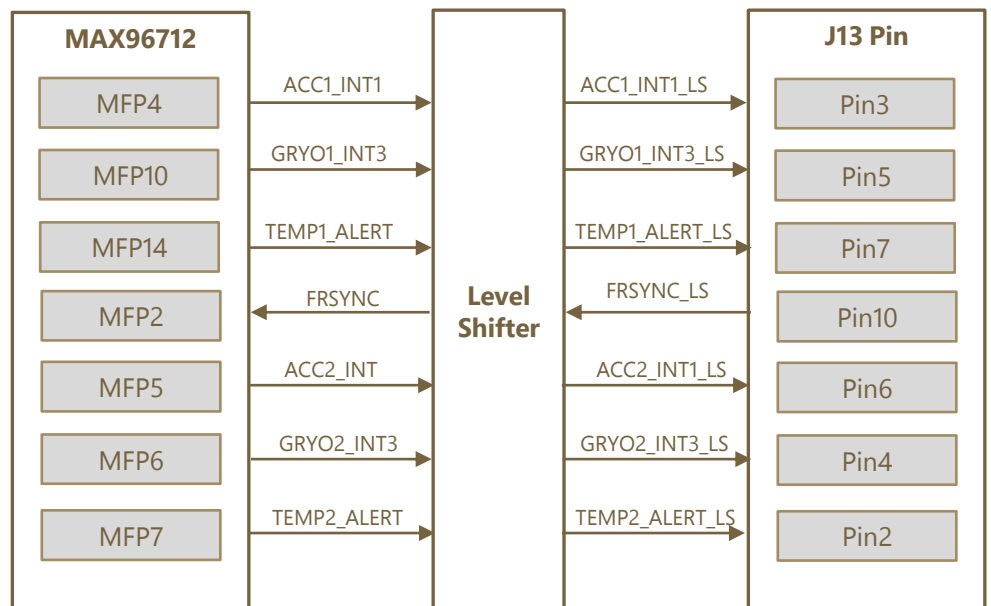
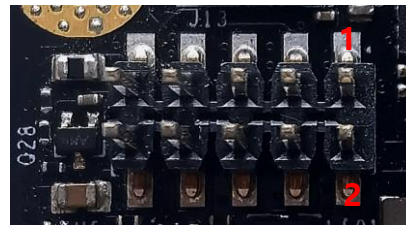
INTERFACE J4 (Fakra)

- Part#: 1-2304168-9
- Number of positions: 4



INTERFACE J13 (GPIO Header for IMU)

- Part#: TSM-105-01-T-DV-P-TR
- Number of positions: 10



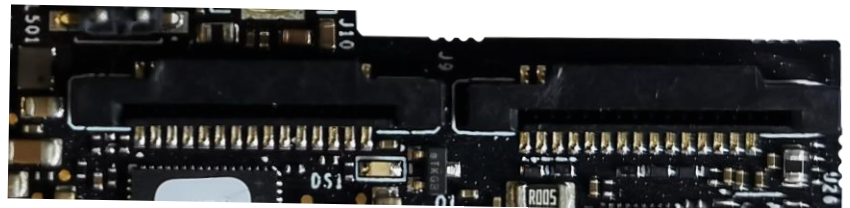
● INTERFACE J1 (External 19V)

- Part#: PJ-082BH
- Number of positions: 2
- Connector type: Jack
- Inner diameter (mm): 2.5
- Outer diameter (mm): 6.5



● INTERFACE J9 AND J10 (Cam Connector, MIPI Signal Transmitting Interface)

- J9 / J10 Part#: 1-1734248-5
- Number of positions on J9 / J10: 30
- J9 / J10 can connect to Nvidia Jetson Xavier NX or NANO carrier board
- J9 and J10 cannot be used with J501 simultaneously



● INTERFACE J501 (To Xavier Kit)

- Part#: QTH-060-01-H-D-A
- Number of positions: 120
- J501 can connect to Jetson AGX Xavier and AGX Orin Developer Kit
- J501 cannot be used with above J9 and J10 simultaneously



● REVISION HISTORY

Revision	Description	Release Date
1.0	First release.	24 May 2021
1.1	Added operating temperature and updated 2D drawing and pictures.	24 June 2021
1.2	Added BOM and info about LI-FCB-4T1-SS-2M-NP-T1 cable.	22 June 2022
1.3	Deleted Xavier NX and Nano and added AGX Orin in "Technical Features" section.	07 Oct 2023
1.4	Updated cable info and replaced schematics with actual interface pics.	24 Nov 2023

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