



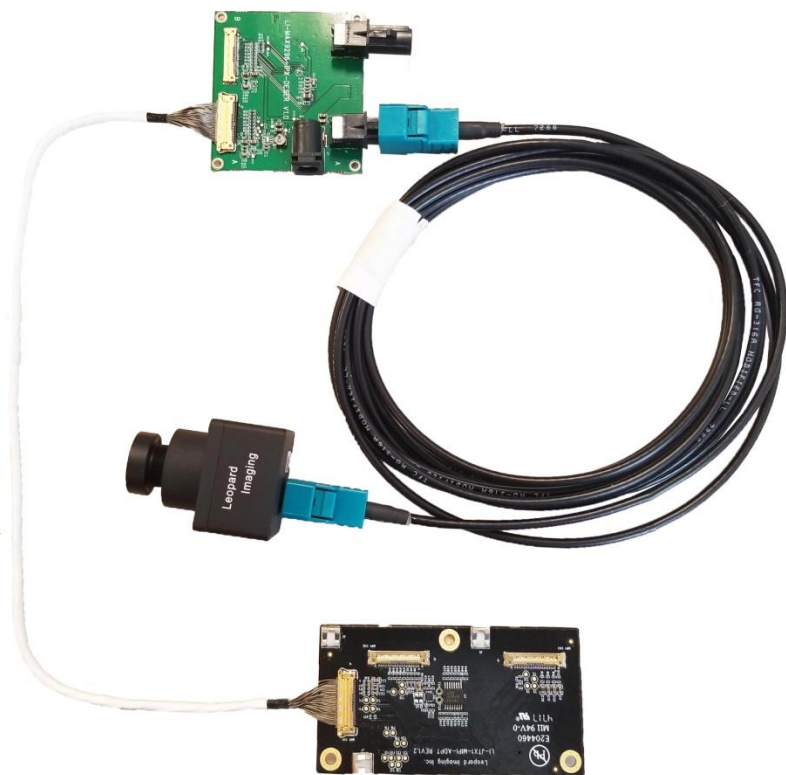
LEOPARD IMAGING INC

LI-JEVA-IMX424-GMSL2-xxxH

Data Sheet

Key Features

- Compatible with Nvidia® Jetson™ TX1/TX2 Developer Kit
- Support one GMSL2 camera
- Sony Diagonal 9.69mm (Type 1/1.7) CMOS Image Sensor IMX424
- Effective pixels: 3849H x 1929V
- Pixel size: 2.25 um x 2.25 um
- RCCB Sensor
- Lens: FOV H 40 / 65 / 120
- GMSL2 Serializer
- Includes De-serializer to convert serial interface to MIPI interface
- Length of Fakra cable: 3 meters
- Support multiple length Fakra cables
- Length of the I-PEX cable: 300mm
- Support M12 lens or M16 lens
- Provide customization services
- Part#: **LI-JEVA-IMX424-GMSL2-xxxH**



Application

- Automotive ADAS
- Machine vision

BOM

Nvidia TX1/TX2 Developer Kit not included

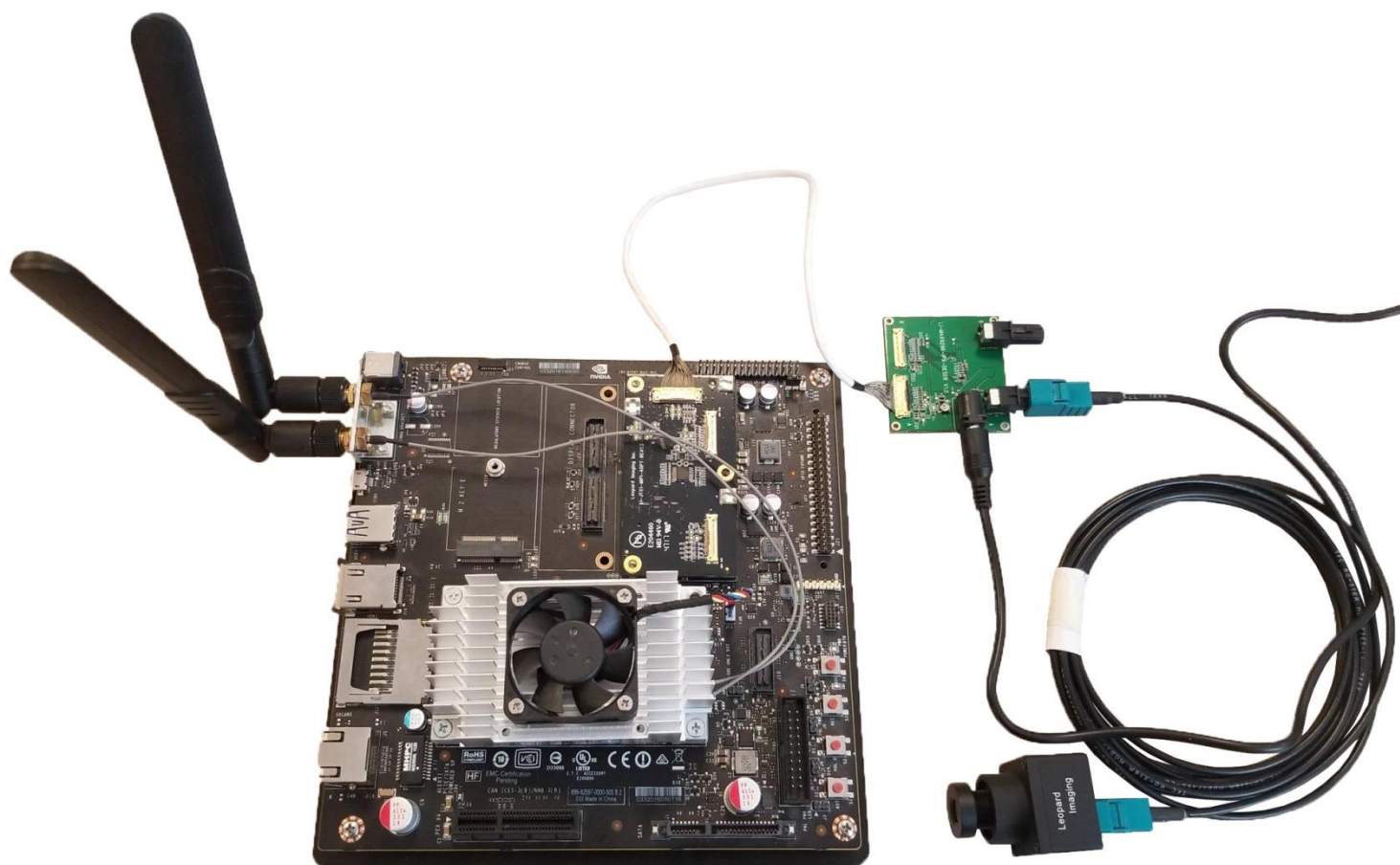
#	Items	QTY
1	LI-IMX424-GMSL2-xxxH	1
2	FAK-SMZSMZ 3M	1
3	LI-GMSL2-IPX-DESER	1
4	FAW-1233-03 cable	1
5	LI-JTX1-MIPI-ADPT	1
6	LI-PS12-01	1



Leopard Imaging Inc.

48820 Kato Rd, Suite 100B, Fremont, CA 94538, USA
Phone: +1-408-263-0988
Fax: +1-408-217-1960
Email: sales@leopardimaging.com
Website: www.leopardimaging.com

Compatible with Nvidia Jetson TX1/TX2 Developer Kit

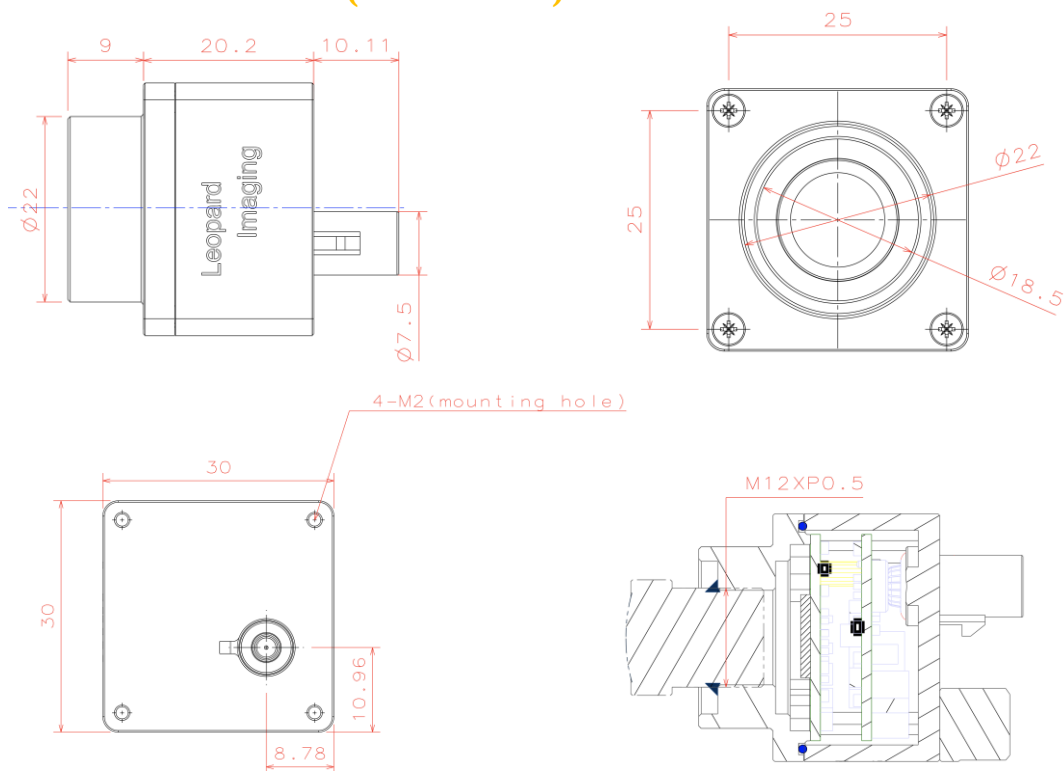


Leopard Imaging Inc.

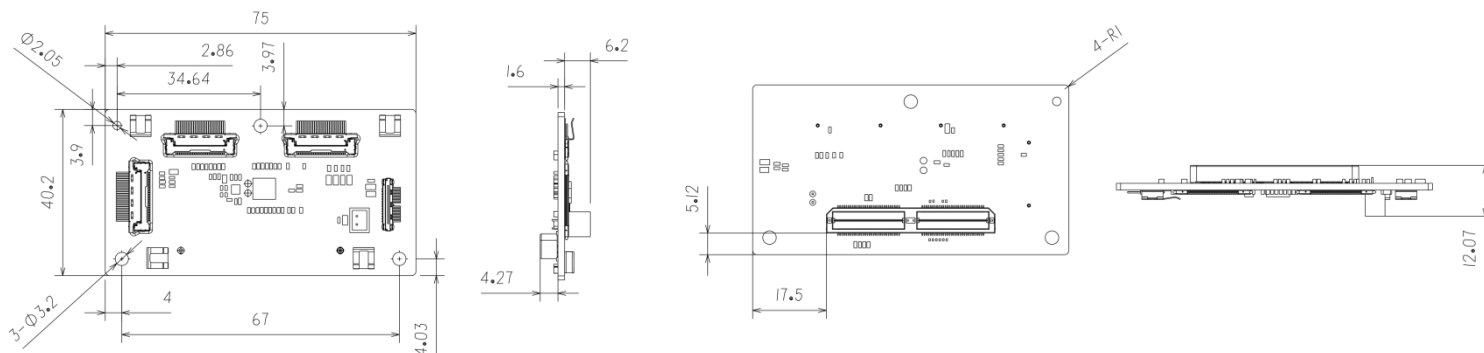
48820 Kato Rd, Suite 100B, Fremont, CA 94538, USA
Phone: +1-408-263-0988
Fax: +1-408-217-1960
Email: sales@leopardimaging.com
Website: www.leopardimaging.com

Dimensions

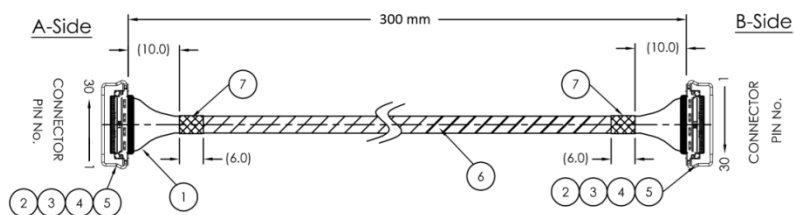
LI-IMX424-GMSL2-xxxH (without lens)



LI-JTX1-MIPI-ADPT

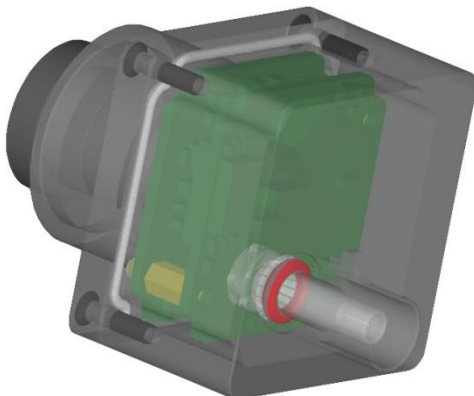


FAW-1233-03



Leopard Imaging Inc.

48820 Kato Rd, Suite 100B, Fremont, CA 94538, USA
Phone: +1-408-263-0988
Fax: +1-408-217-1960
Email: sales@leopardimaging.com
Website: www.leopardimaging.com

Camera Spec	
Image Sensor	Sony Diagonal 9.69mm (Type 1/1.7) CMOS Image Sensor IMX424
Optical format	1/1.7"
Number of effective pixels	3849 (H) x 1929 (V)
Pixel size	2.25um (H) x 2.25um (V)
Color Filter Arrays	RCCB sensor
Interface	GMSL2 Serial interface
Lens mount	M12 or M16 lens
Weight	45 g
Operation Temp	-40 ~ 105 °C
Storage Temp	-40 ~ 125 °C
Water proof : IP67 (Up to IP69K) Lens must be glued	
▪ Metal Housing ▪ Water-proof M12 lens ▪ Sealed Gasket (White) ▪ Sealed O-ring (Red)	
Cable Connector	
▪ Housing Connector- FAKRA Z Type ▪ Cable length: 3 meters Support single Coax Cable transmit up to 12 meters ▪ Cable Part#: FAK-SMZSMZ-0008 FAKRA type connectors	



Lens Information

Part#: LI-JEVA-IMX424-GMSL2-xxxH

Note:

xxxH - 040H: FOV H 40 °
065H: FOV H 65 °
120H: FOV H 120 °

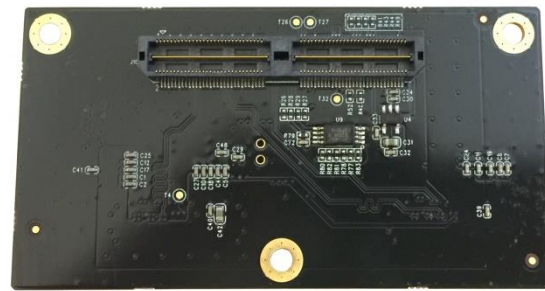
LI-IMX424-GMSL2-040H	LI-IMX424-GMSL2-065H	LI-IMX424-GMSL2-120H
		
Lens: DSL612 Lens EFL: 11.9 mm F/#: 2.0 FOV(D): 44.5° FOV(H): 39° FOV(V): 20° Mount: M12	Lens: DSL608 Lens EFL: 7.9 mm F/#: 2.0 FOV(H): 71.5° FOV(H): 64.5° FOV(H): 32° Mount: M12	Lens: CAR-53 Lens EFL: 4.47 mm F/#: 1.6 FOV(H): 133.6° FOV(H): 118.7° FOV(H): 52.2° Mount: M16



Leopard Imaging Inc.

48820 Kato Rd, Suite 100B, Fremont, CA 94538, USA
Phone: +1-408-263-0988
Fax: +1-408-217-1960
Email: sales@leopardimaging.com
Website: www.leopardimaging.com

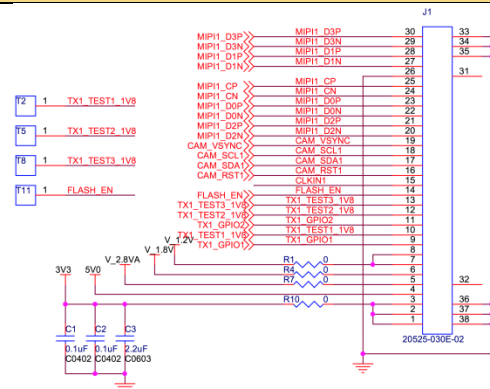
LI-JTX1-MIPI-ADPT



Interfaces

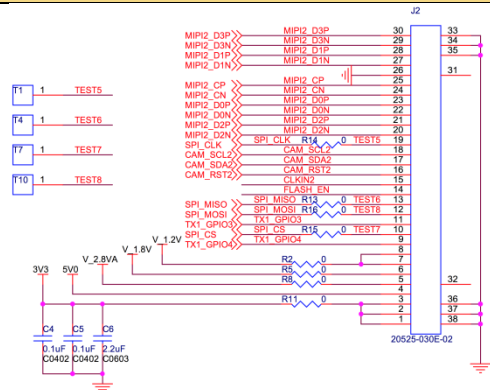
Interface J1

- Part#: 20525-030E-02C
- Number of Positions: 30
- Pitch: 0.4mm
- Mating I-PEX cable: FAW-1233-03 (300mm)



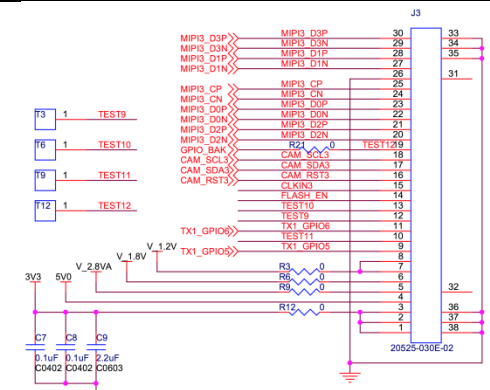
Interface J2

- Part#: 20525-030E-02C
- Number of Positions: 30
- Pitch: 0.4mm
- Mating I-PEX cable: FAW-1233-03 (300mm)



Interface J3

- Part#: 20525-030E-02C
- Number of Positions: 30
- Pitch: 0.4mm
- Mating I-PEX cable: FAW-1233-03 (300mm)



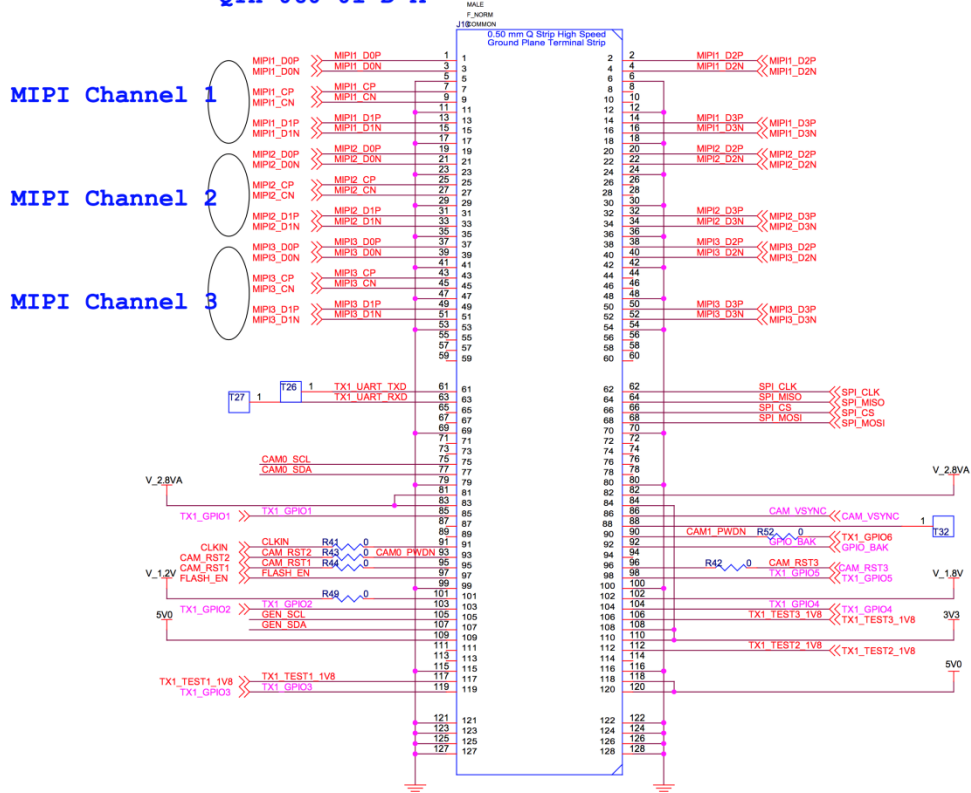
Leopard Imaging Inc.

48820 Kato Rd, Suite 100B, Fremont, CA 94538, USA
 Phone: +1-408-263-0988
 Fax: +1-408-217-1960
 Email: sales@leopardimaging.com
 Website: www.leopardimaging.com

Interface J10

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

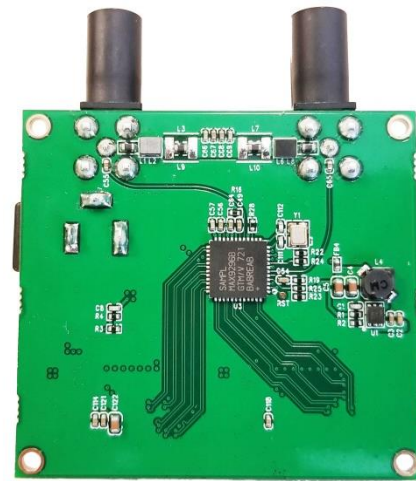
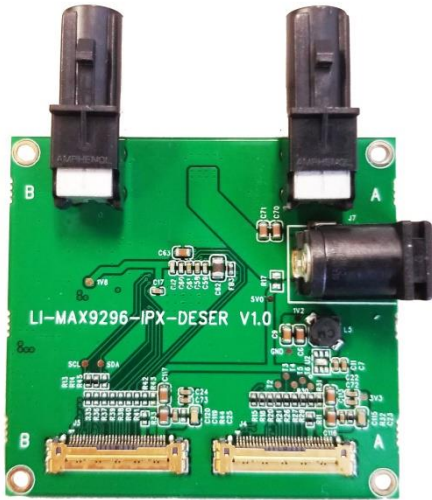
Vertical Mating connector of Jetson TX1 J22 QTH-060-01-D-A



Leopard Imaging Inc.

48820 Kato Rd, Suite 100B, Fremont, CA 94538, USA
 Phone: +1-408-263-0988
 Fax: +1-408-217-1960
 Email: sales@leopardimaging.com
 Website: www.leopardimaging.com

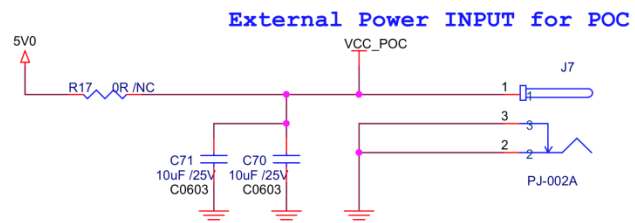
LI-GMSL2-IPX-DESER



Interfaces

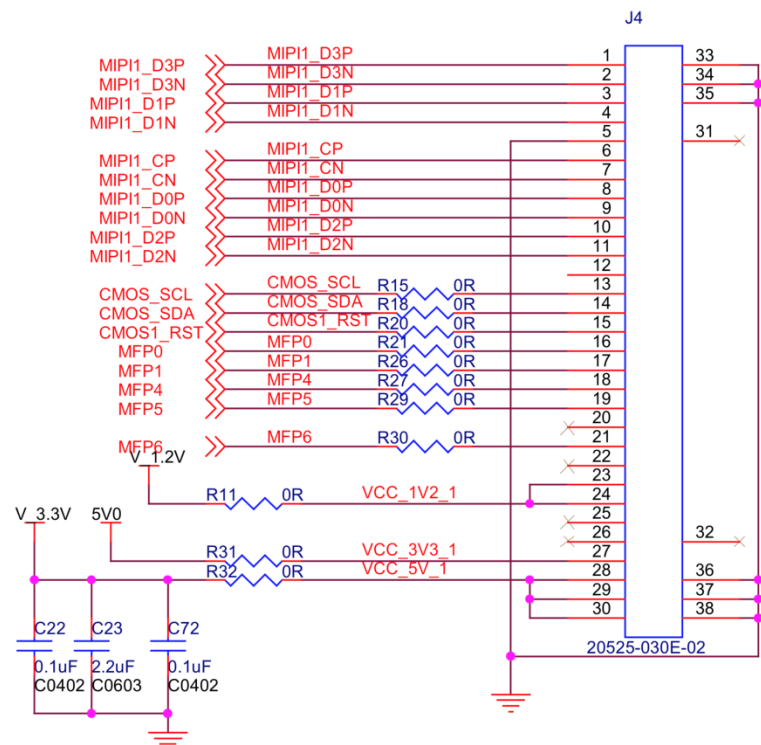
Interface J7

- Part#: PJ-002A
- Power Supply: 12V DC



Interface J4

- Part#: 20525-030E-02C
- Number of Positions: 30
- Pitch: 0.4mm
- Mating I-PEX cable: FAW-1233-03 (300mm)

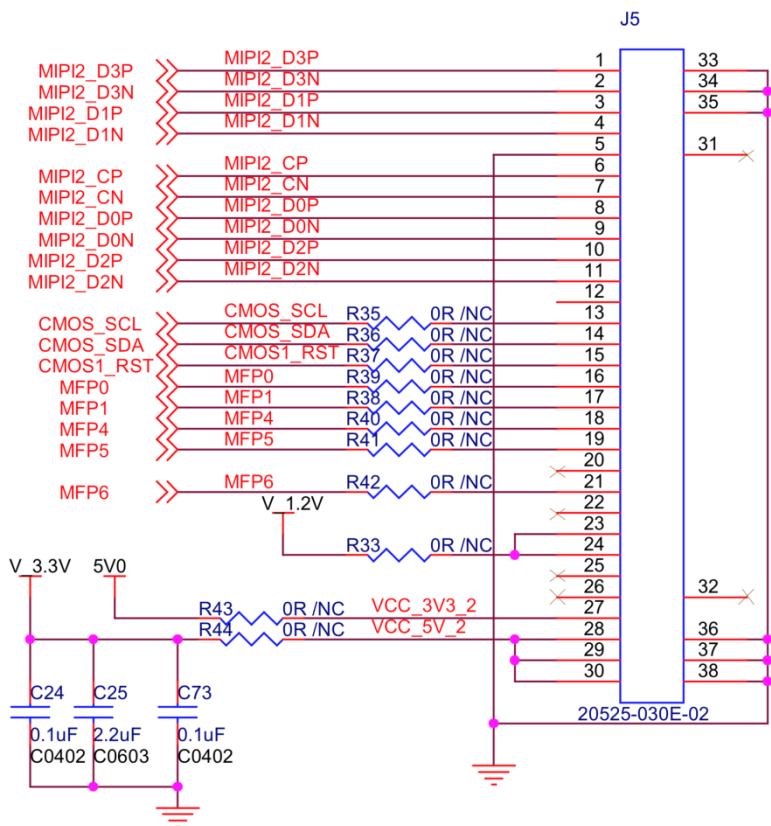


Leopard Imaging Inc.

48820 Kato Rd, Suite 100B, Fremont, CA 94538, USA
 Phone: +1-408-263-0988
 Fax: +1-408-217-1960
 Email: sales@leopardimaging.com
 Website: www.leopardimaging.com

Interface J5

- Part#: 20525-030E-02C
- Number of Positions: 30
- Pitch: 0.4mm
- Mating I-PEX cable: FAW-1233-03 (300mm)



Leopard Imaging Inc.

48820 Kato Rd, Suite 100B, Fremont, CA 94538, USA
 Phone: +1-408-263-0988
 Fax: +1-408-217-1960
 Email: sales@leopardimaging.com
 Website: www.leopardimaging.com

Revision History

Revision	Description	Release Date
1.0	First Release	06. Aug. 2019



Leopard Imaging Inc.

48820 Kato Rd, Suite 100B, Fremont, CA 94538, USA
Phone: +1-408-263-0988
Fax: +1-408-217-1960
Email: sales@leopardimaging.com
Website: www.leopardimaging.com