



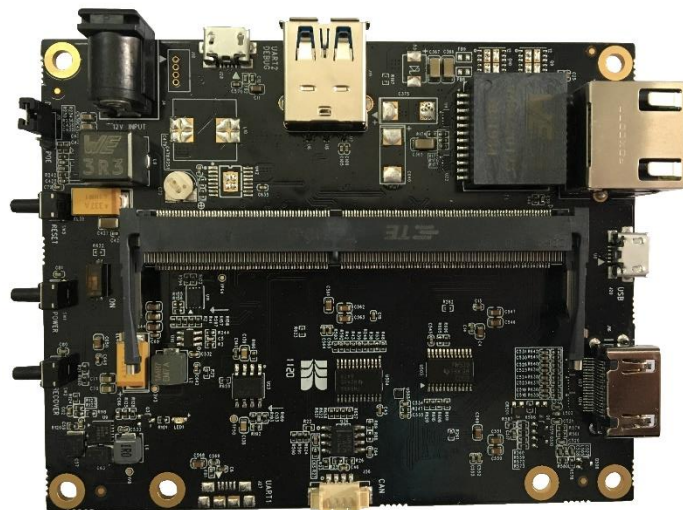
LEOPARD IMAGING INC

LI-XNX-CB-6CAM

Data Sheet

Technical details

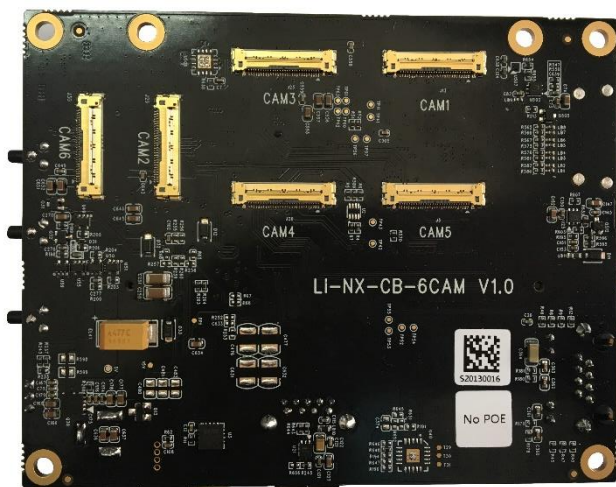
- Carrier board for NVIDIA® Jetson Xavier NX™ SOM
- 6 MIPI CSI-2 camera interfaces (5 x 2-lane and 1 x 4-lane)
- 1 Power interface (DC 12V)
- 1 HDMI interface
- 1 USB3.0 interface
- 1 RJ45 Ethernet interface
- 1 USB 2.0 micro B interface
- 2 UART interfaces (only one populated)
- 1 External I2C interface
- 1 CAN connector
- PoE supported (options)
- Weight: 61g +/- 2g (without NX SOM)
- Size: 100mm x 79mm
- Part#: **LI-XNX-CB-6CAM**



BOM

Xavier NX SOM not included

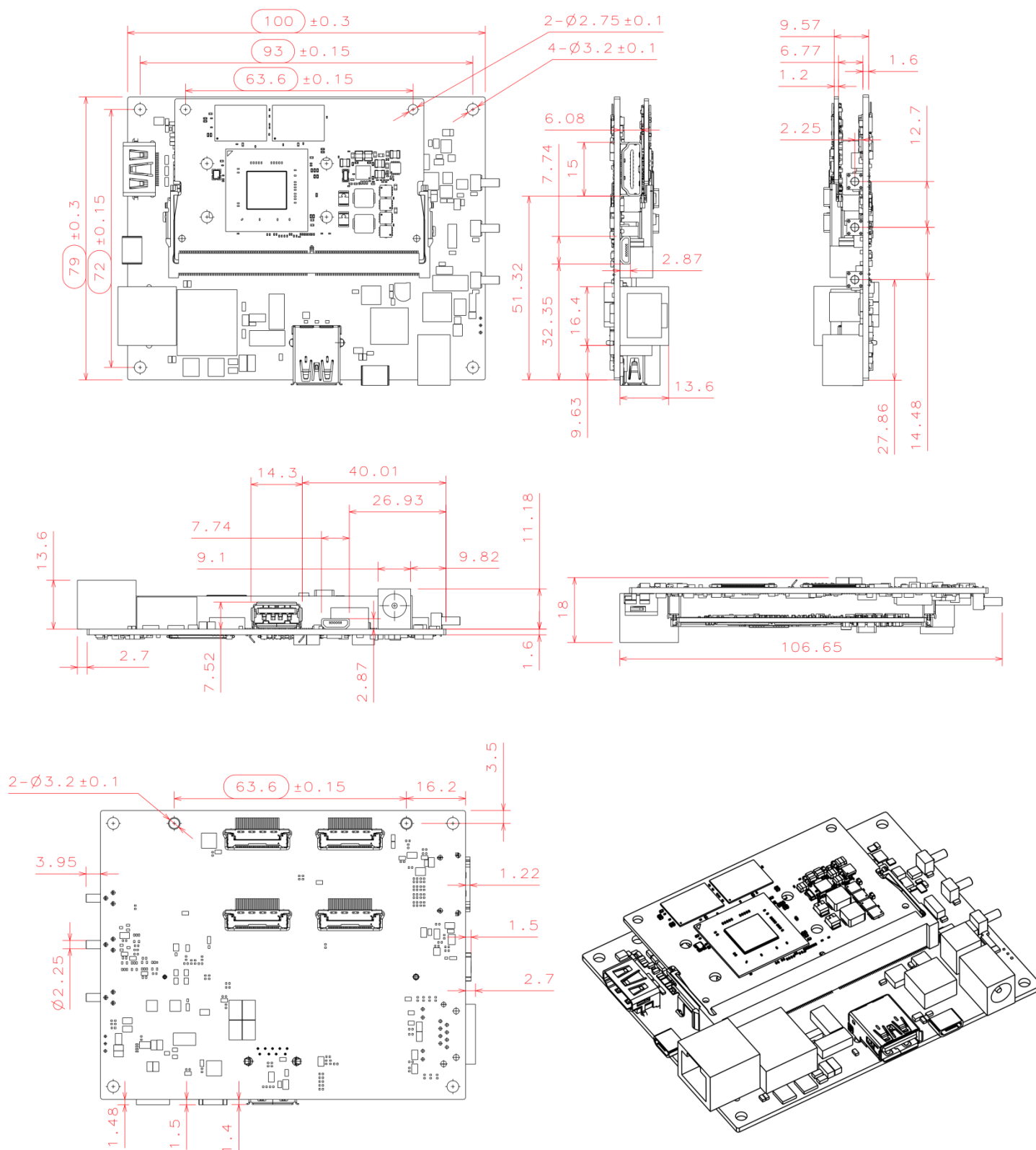
#	Items	QTY
1	LI-XNX-CB-6CAM board	1
2	DC 12V power supply	1
3	USB 2.0 Type A - Micro B cable	1



Leopard Imaging Inc.

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Website: www.leopardimaging.com

Dimensions



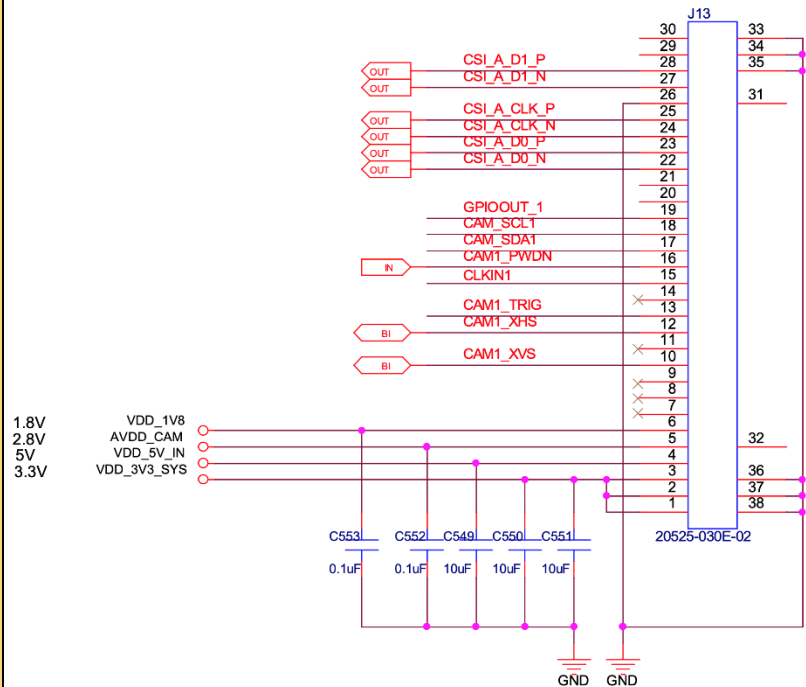
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Interfaces

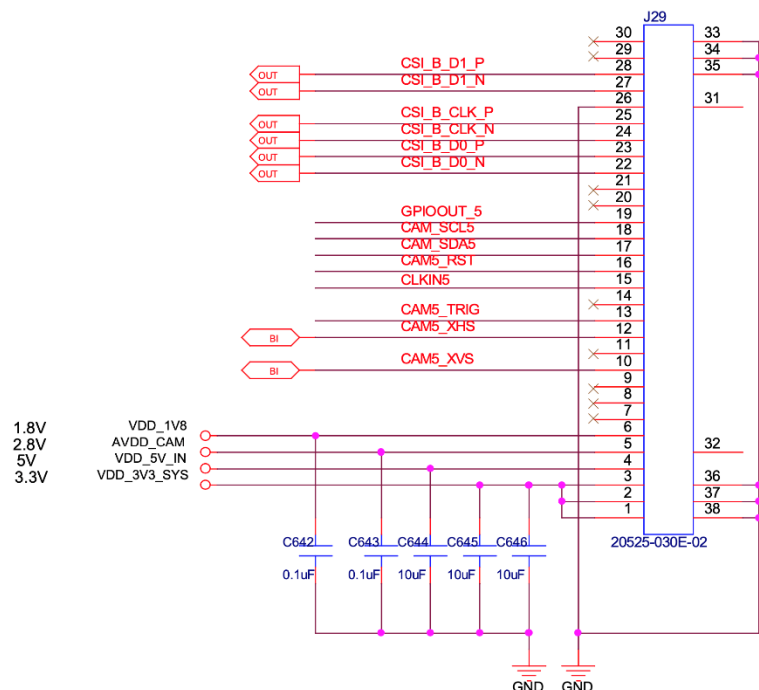
Interface J13 (CAM1)

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



Interface J29 (CAM2)

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

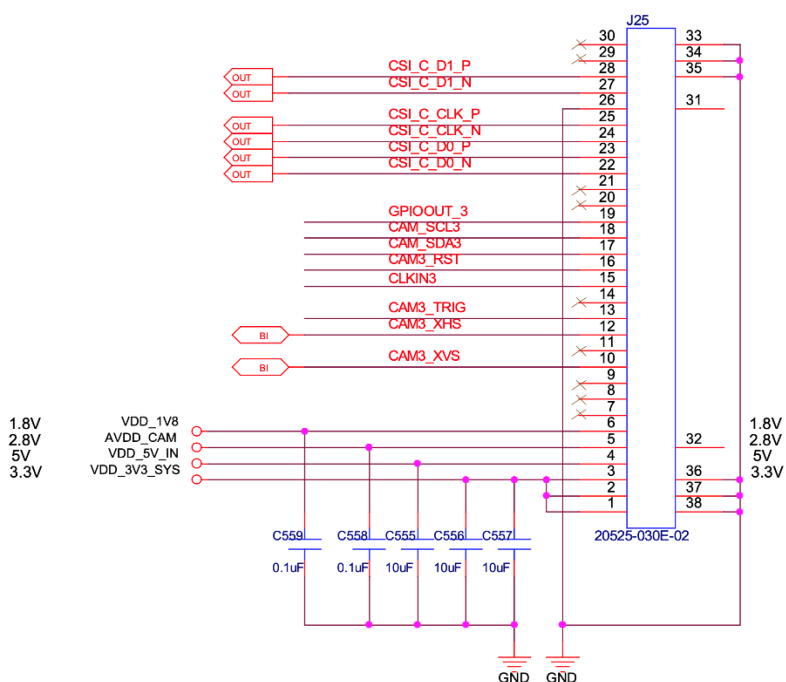


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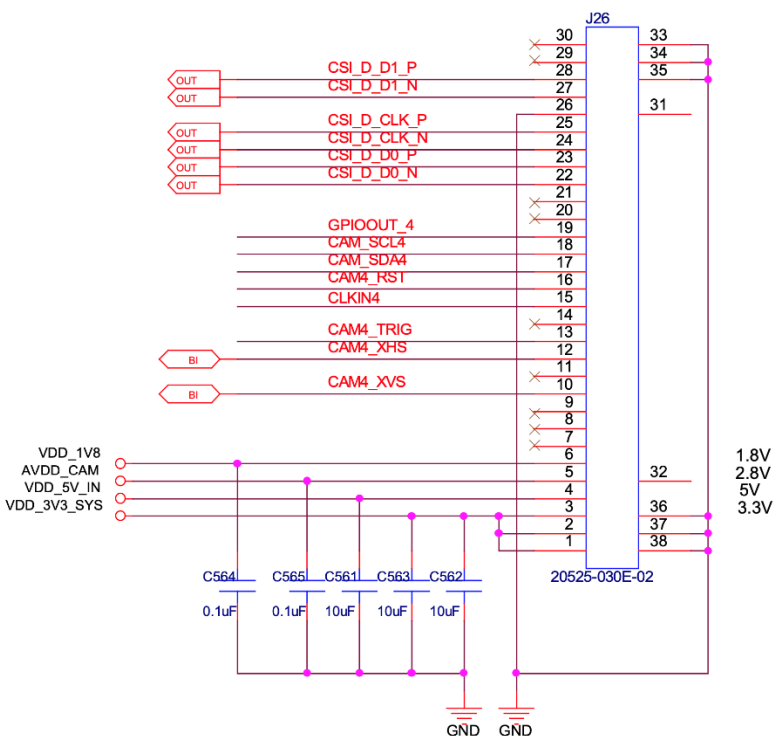
Interface J25 (CAM3)

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



Interface J26 (CAM4)

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

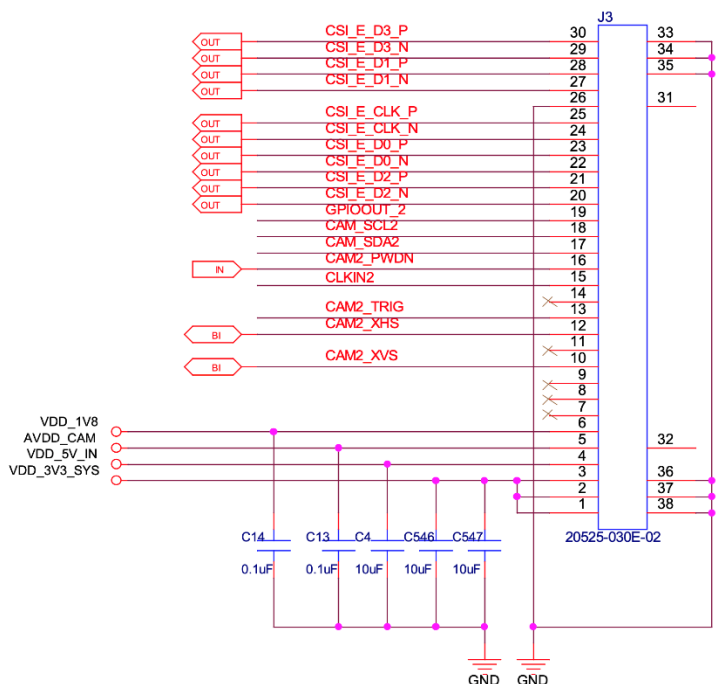


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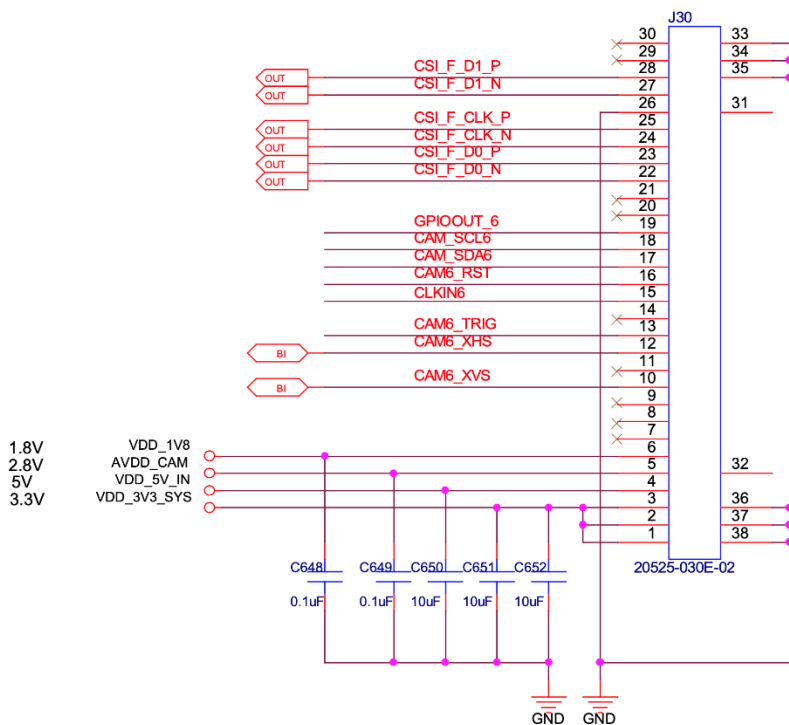
Interface J3 (CAM5)

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



Interface J30 (CAM6)

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

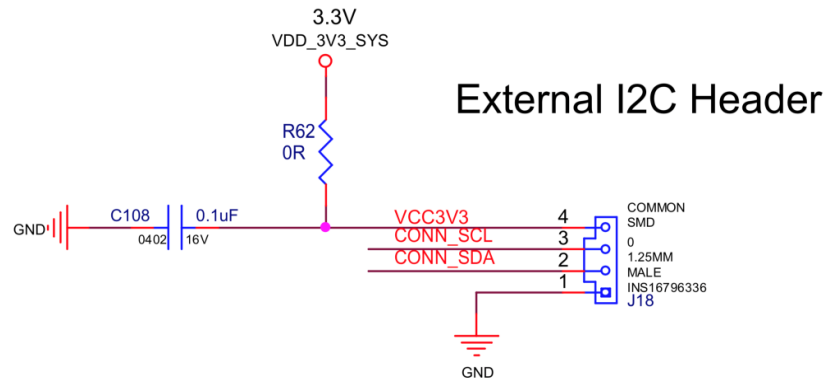


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Interface J18 (I2C header)

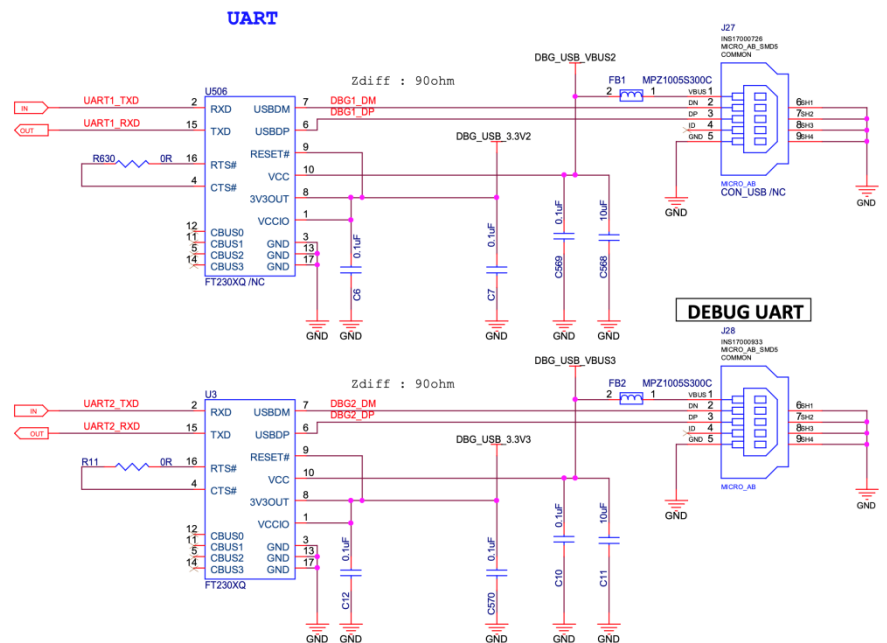
- Number of Positions: 4
- Pitch: 1.25 mm



J27, J28 (UART)

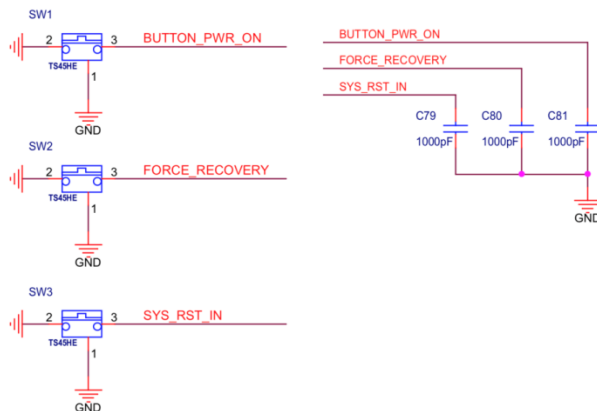
- USB 2.0 micro-B interface

Note: R27 is not populated.



Buttons (Power, Force_Recovery, Reset)

- Part#: TS45HE

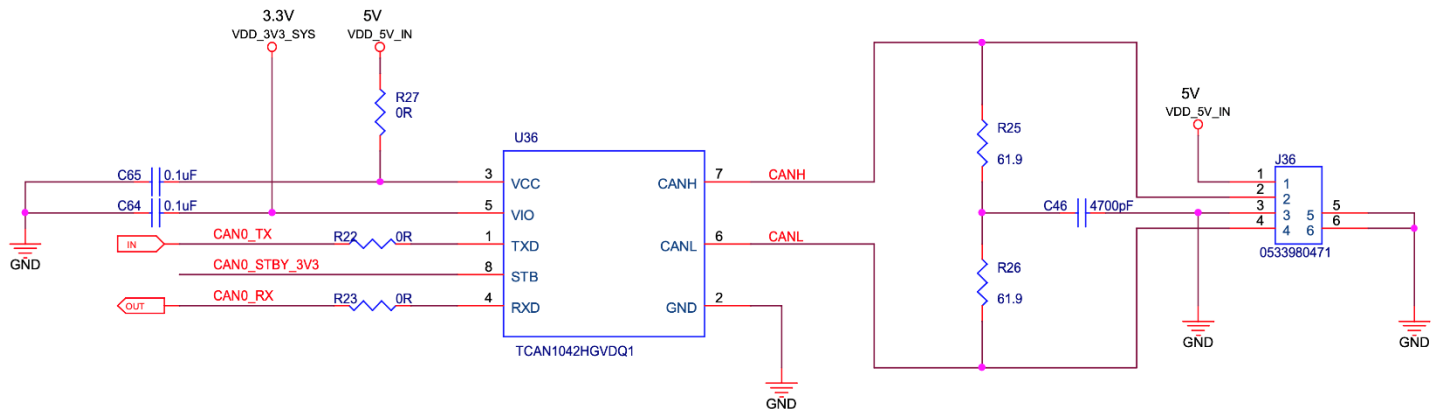


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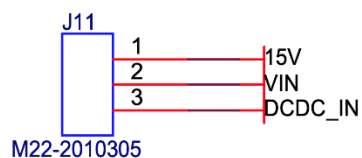
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Interface J36 (CAN connector)

- Part#: 0533980471
- Number of Positions: 4
- Pitch: 1.25 mm

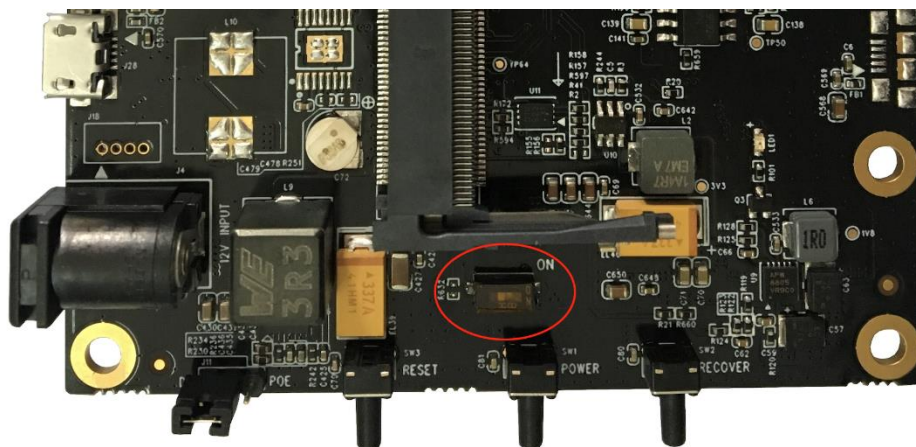


Interface J11 (Jumper for main power)



Auto Boot

SW4	Boot mode
ON	Manual boot
OFF	Auto boot



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Revision History

Revision	Description	Release Date
1.0	First Release	08. Apr. 2020



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