

# LI-IMX264-MIPI-M12

## Data Sheet

### Key Features

- Sony Diagonal 11.1 mm (Type 2/3) CMOS Image Sensor IMX264
- Active pixels: 2464 (H) x 2056 (V)
- Pixel size: 3.45 x 3.45  $\mu\text{m}$
- Color sensor
- Global Shutter
- Supports 4-lane or 2-lane MIPI interface
- 4-lane MIPI clock rate: 594 Mbps
- 2-lane MIPI clock rate: 918 Mbps
- Includes a FPGA to convert LVDS to MIPI
- Supports master, slave mode or trigger mode (master mode by default)
- Input clock supplied through connector or on-board oscillator (37.125 MHz) (on-board oscillator by default)
- Connector Part#: 20525-030E-02
- Supports M12 x P0.5 lens
- Weight: ~12 g
- Part#: **LI-IMX264-MIPI-M12**



### Lens Spec

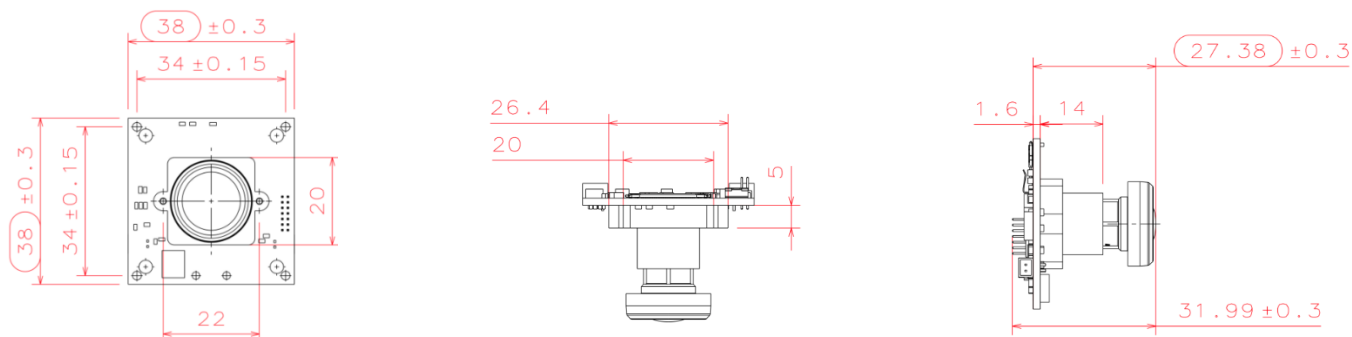
- Focal Length: 12 mm
- Aperture, F/#: 2.5
- Built in 650 nm IR cut filter
- FOV (H): 37°
- TV Distortion: < -1.2 %
- Mount: M12 x P0.5

### Applications

- Industrial Applications
- Intelligent Transportation System (ITS) Cameras



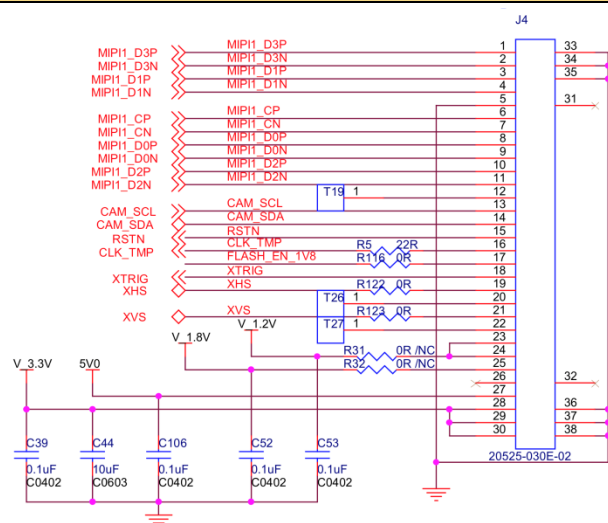
## Dimensions



## Interfaces

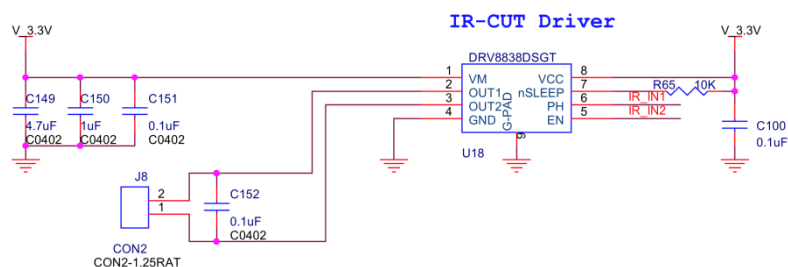
### Interface J4:

- Part#: 20525-030E-02
- Number of Positions: 30
- Pitch: 0.4 mm
- Mating I-PEX cable: LI-FAW-1233-T1 (200 mm)



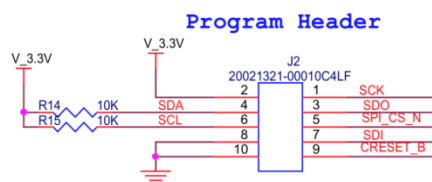
### Interface J8:

- Part#: 1734829-2
- Number of Positions: 2
- Pitch: 1.25 mm



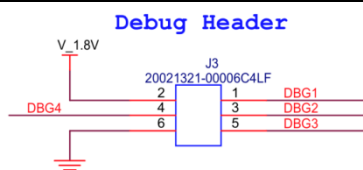
### Interface J2:

- Part#: 20021321-00010C4LF
- Number of Positions: 10
- Pitch: 1.27 mm



### Interface J3:

- Part#: 20021321-00006C4LF
- Number of Positions: 6
- Pitch: 1.27 mm



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## Revision History

| Revision | Description                              | Release Date  |
|----------|------------------------------------------|---------------|
| 1.0      | First release.                           | 20. Sep. 2018 |
| 1.1      | Added more specs.                        | 20. May. 2019 |
| 1.2      | Deleted info quoted from sensor spec.    | 26. May. 2022 |
| 1.3      | Updated board version from V1.0 to V1.1. | 30. Sep. 2022 |



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