CIPO/COPI have previously been referred to as MISO/MOSI.

**MAXIMUM Total output current sourced or sunked by sum of all I/Os and control pins is 140 mA.**

**MAXIMUM Output current sourced or sunked by any I/O and control pin is 20 mA.**

---

**Legend:**
- **Power**
- **Power Input**
- **Power Output**
- **Ground**
- **GPIO Digital External**
- **Analog External**
- **Main Part**
- **Secondary Part**
- **Internal Component**
- **Other Pins (Reset, System Control, Debugging)**
- **I2C**
- **SPI**
- **UART/USART**
- **Other SERIAL Communication**
- **Analog**
- **PWM/Timer**
- **LED**
- **RGB LED**
- **Other**

---

**Notes:**
1. It is not possible to power the board through the USB-A Connector.
2. Current limit ~500 mA.
3. Pins D66 and D67 are duplicated pins.
4. I2C4_SCL is shared with SCL1 pin of the headers.
5. I2C4_SDA is shared with SDA1 pin of the headers.
6. DSI PINS have only display feature, NO GPIO, NO Analog.
Connectors J5 and J6 are pass through pins and can be connected also on the other side of the board, from the bottom.

DSI PINS have only display feature, NO GPIO, NO Analog.

DO NOT connect the camera from the bottom side.

I2C4_SCL and I2C4_SDA are shared with SCL1 and SDA1 pins of the headers.

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Legend:
- Power
- Power Input
- Power Output
- Ground
- GPIO Digital External
- Analog External
- Main Part
- Secondary Part
- Internal Component
- Other Pins (Reset, System Control, Debugging)
- I2C
- Default
- SPI
- Default
- UART/USART
- Default
- Other SERIAL Communication
- Analog
- Default
- PWM/Timer
- Default
- LED
- RGB LED
- Other

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CIP0/COPI have previously been referred to as MISO/MOSI.
WARNING!
Advanced Section
The following information is for advanced use only and may not be officially supported by Arduino software.
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- UART/USART
- Other SERIAL Communication
- Analog
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- LED
- RGB LED
- Other

TOP VIEW

SKUs code: ABX00063
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- **SPI**
- **UART/USART**
- **Other SERIAL Communication**
- **Analog**
- **PWM/Timer**
- **Default**
- **RGB LED**
- **Other**

**SKU code:** ABX00063

**Full Pinout - Page 8 of 9**

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- LED
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