Technical details

- Carrier board for NVIDIA Jetson TX1/TX2 SOM
- 3 MIPI camera interfaces (4-lane)
- 1 micro SD card interface
- 1 USB3 Type A connector
- 1 HDMI connector
- 1 power socket (DC 12V)
- 1 RJ45 connector
- 1 USB 2.0 micro B interface
- 1 Fan connector (4 pin)
- 1 UART interface (4pin, 3.3V TTL)
- Weight: 54g (without TX1/2 SOM)
- Size: 87mm x 88mm
- Part#: LI-TX1-CB

BOM

<table>
<thead>
<tr>
<th>#</th>
<th>Items</th>
<th>QTY</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>LI-TX1-CB carrier board</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>DC 12V power supply</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>USB 2.0 Type A - Micro B cable</td>
<td>1</td>
</tr>
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Dimensions (with TX1/TX2 SOM)
Interfaces

Interface J1 (camera channel 1)
- Part#: 20525-030E-02C
- Number of Positions: 30
- Pitch: 0.4mm
- Mating I-PEX cable: FAW-1233-03 (300mm)

Interface J3 (camera channel 2)
- Part#: 20525-030E-02C
- Number of Positions: 30
- Pitch: 0.4mm
- Mating I-PEX cable: FAW-1233-03 (300mm)

Interface J6 (camera channel 3)
- Part#: 20525-030E-02C
- Number of Positions: 30
- Pitch: 0.4mm
- Mating I-PEX cable: FAW-1233-03 (300mm)
### Interface J18 (External I2C header)

- **Part #:** 0530470410
- **Number of Contacts:** 4
- **Pitch:** 1.25 mm
- **Mating Connector:** 0510210400

![Interface J18 Diagram](image)

### Interface J2 (JTAG header)

- **6-pin interface**

![Interface J2 Diagram](image)

### Button SW1, SW2, SW3

- **Part #:** TL3330AF130QG
- **Actuator Type:** Rectangular Button

![Button SW1, SW2, SW3 Diagram](image)
Fan Interface

- Part#: 0530470410
- Number of Contacts: 4
- Pitch: 1.25 mm
- Mating Connector: 0510210400

UART Interface

- Part#: 0530470410
- Number of Contacts: 4
- Pitch: 1.25 mm
- Mating Connector: 0510210400
Support one to three 4-lane MIPI cameras