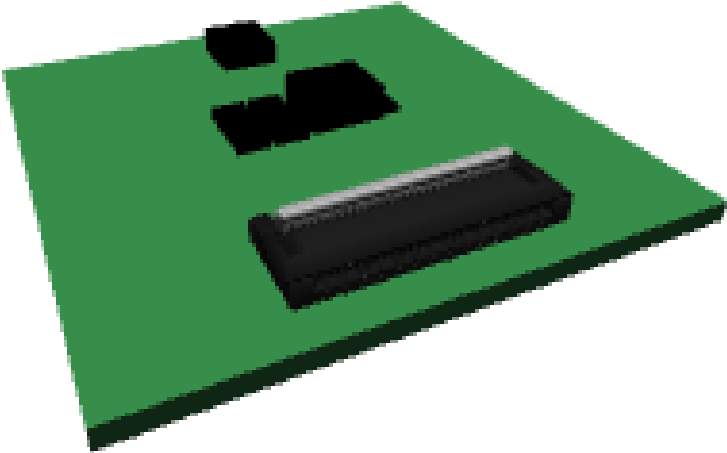


Tiny Caspa



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Board Description

Small camera using OmniVision OVM7692 CamaraCubeChip connected to the 27-pin Caspa camera interface.

Board Dimensions

2.2cm x 2.2cm

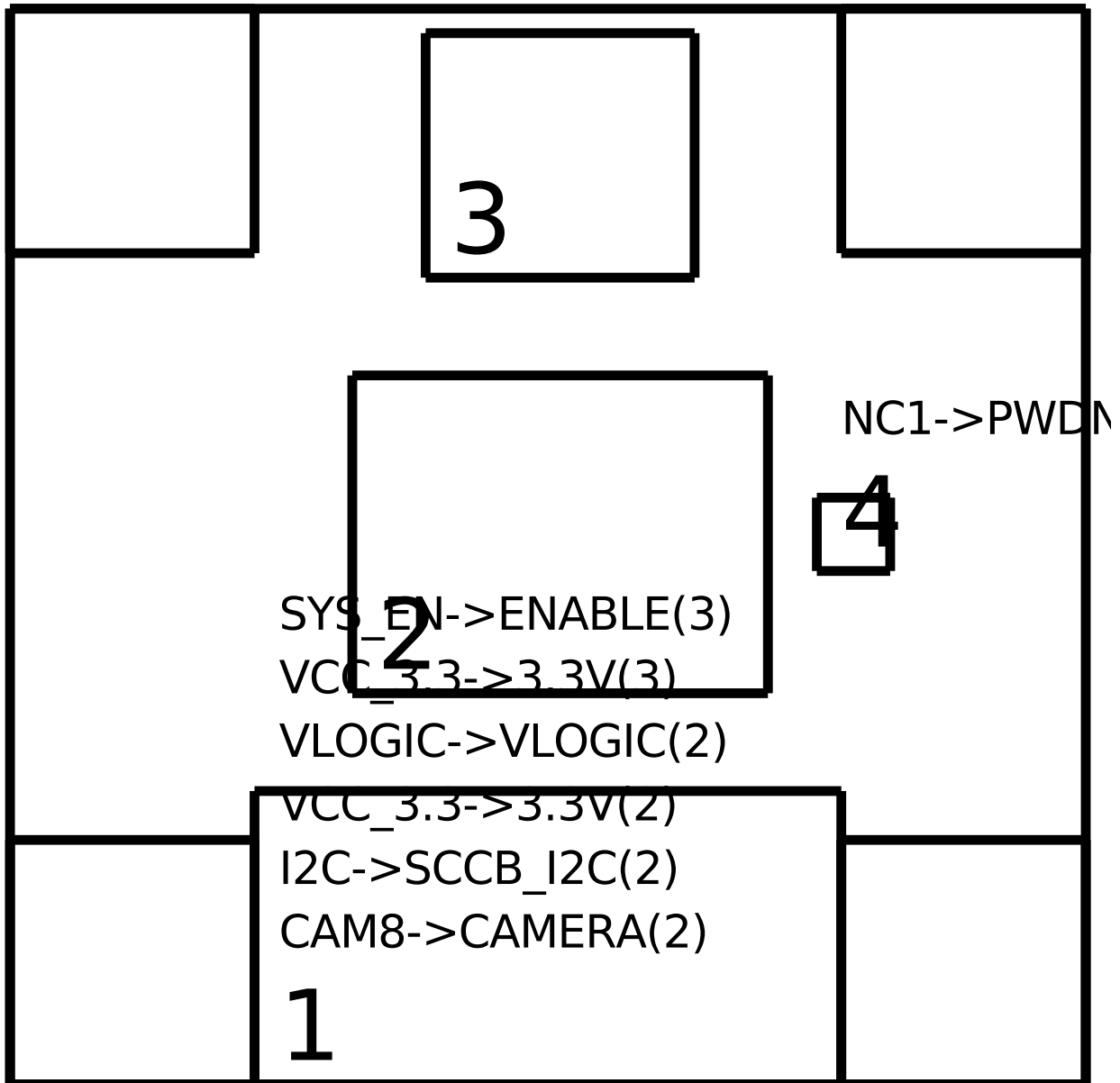


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1 Modules on Board



1.1 Headers

1.1.1 Parallel Camera Connector (v6) (1)

The 27-pin connector accepts the 27-wire ribbon cable used to connect a Caspa camera to your design.

This module provides the following connections:

- VCC.3.3 to:



- Tiny Camera (2)
- Flip-side Green LED (3)
- I2C to SCCB_I2C on Tiny Camera (2)
- CAM8 to CAMERA on Tiny Camera (2)
- SYS_EN to ENABLE on Flip-side Green LED (3)

Implemented as a test pad.

1.2 Sensors

1.2.1 Tiny Camera (v3) (2)

The 0.3MP Tiny Camera is connected to CAM8 on Parallel Camera Connector (1). The I2C bus communicates with I2C on Parallel Camera Connector (1). It can be powered down using NC1 on NC (4)

1.3 IO

1.3.1 Flip-side Green LED (v4) (3)

This 1608 standard size green LED, placed on the backside, provides an indicator for the signal SYS_EN on Parallel Camera Connector (1).

1.4 Mechanical

1.4.1 Mounting Hole (2.2mm)

A #0 mounting hole for securing the board with mounting pins.

1.4.2 Mounting Hole (2.2mm)

A #0 mounting hole for securing the board with mounting pins.

1.4.3 Mounting Hole (2.2mm)

A #0 mounting hole for securing the board with mounting pins.

1.4.4 Mounting Hole (2.2mm)

A #0 mounting hole for securing the board with mounting pins.



2 Module Connections Graph

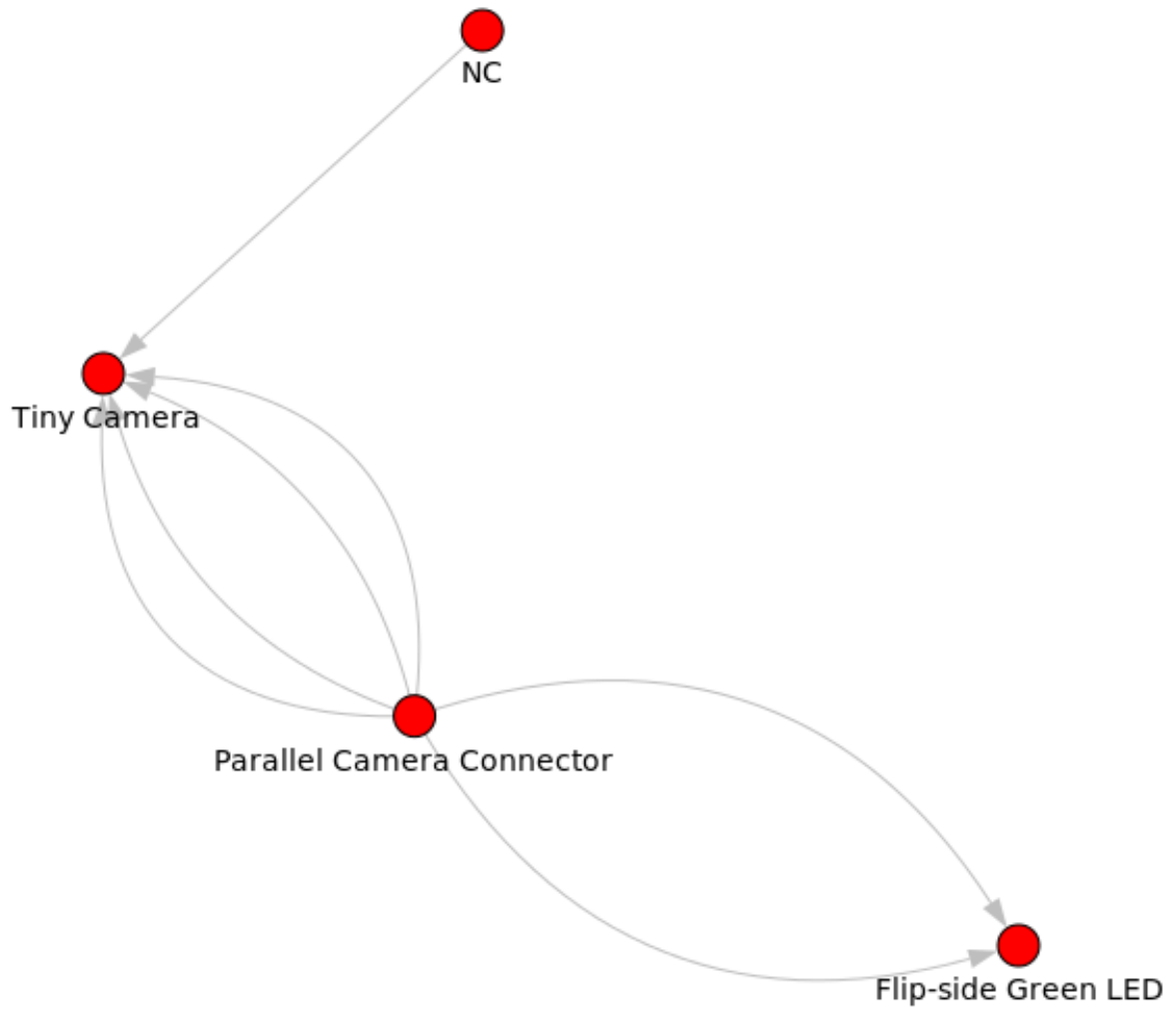


Figure 1: excludes power modules



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