

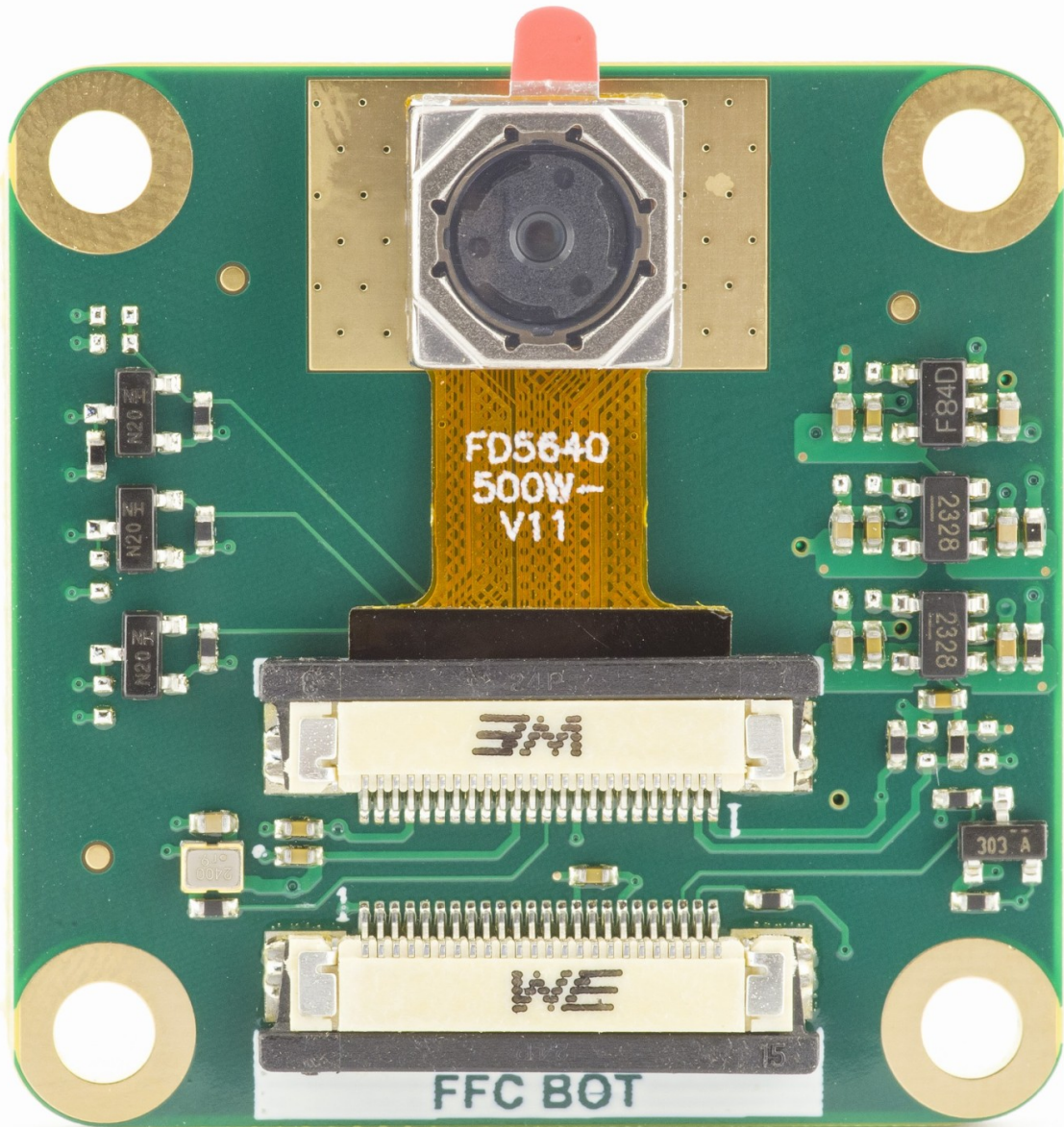
# 687.5640 camera module

Custom OV5640 MIPI camera 687.5640A

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# Overview

Custom interface board and OV5640 camera module



# Pinout

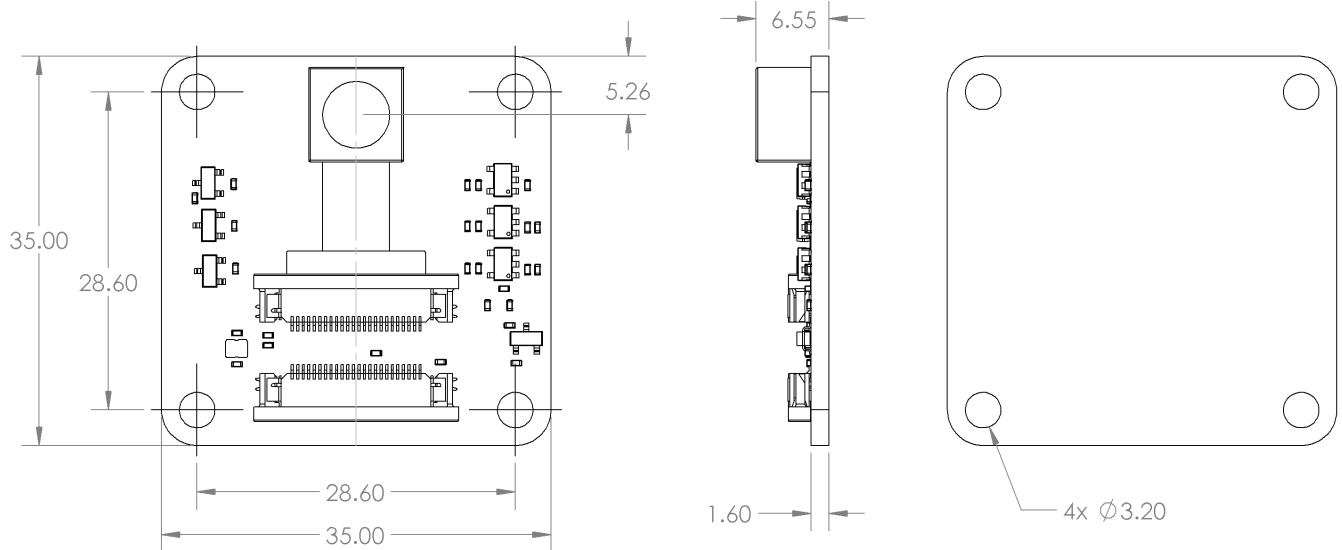
Interface connector 24pin 0.5mm pitch 68712414522 from Würth Elektronik.

| Pin | Signal        | Description         |
|-----|---------------|---------------------|
| 1   | GND           |                     |
| 2   | CSI_D0_N      |                     |
| 3   | CSI_D0_P      |                     |
| 4   | GND           |                     |
| 5   | CSI_D1_N      |                     |
| 6   | CSI_D1_P      |                     |
| 7   | GND           |                     |
| 8   | CSI_CLK_N     |                     |
| 9   | CSI_CLK_P     |                     |
| 10  | GND           |                     |
| 11  | CSI_GPIO0_RST |                     |
| 12  | CAM1_MCLK     |                     |
| 13  | SCL           |                     |
| 14  | SDA           |                     |
| 15  | 3.3V          | Camera power supply |
| 16  | N.C.          |                     |
| 17  | N.C.          |                     |
| 18  | GND           |                     |

|     |           |                              |
|-----|-----------|------------------------------|
| 19  | N.C.      |                              |
| 20  | N.C.      |                              |
| 21  | 5V        | Used for LED                 |
| 22  | CSI_GPIO1 | Camera Sensor Power Down     |
| 23  | CSI_GPIO2 | Camera Sensor Identification |
| 241 | CSI_GPIO3 | Power Supply Control         |

# Dimensions

- Board dimensions: 35 x 35 x 6.6mm
- Weight: 5.5g



# Revision history

| Revision         | Date       | Notes            |
|------------------|------------|------------------|
| revA / 687.5640A | 2022-08-01 | Initial revision |