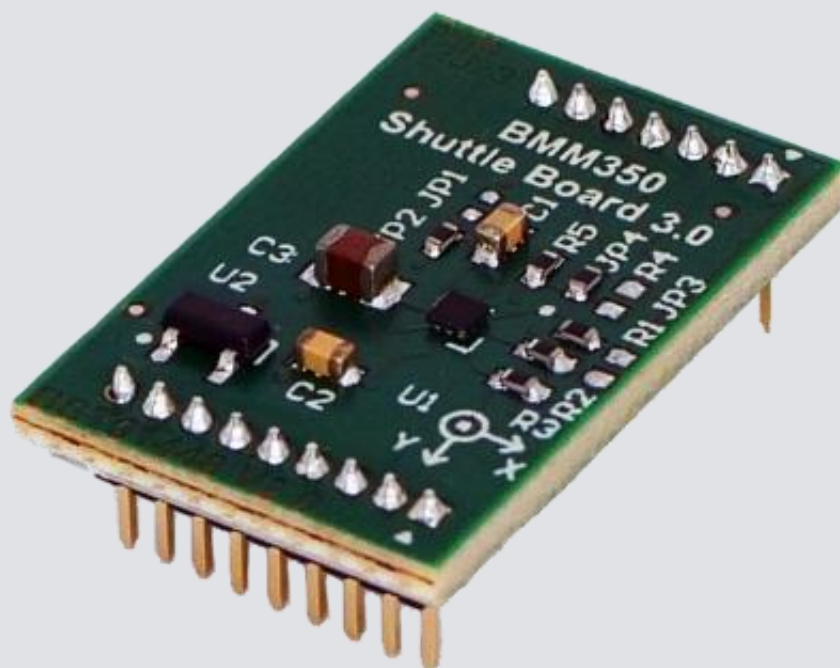




**BOSCH**

## **BMM350**

Shuttle board 3.0 flyer

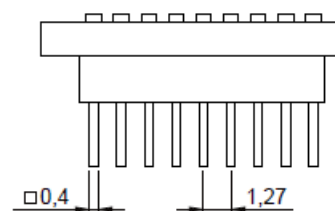
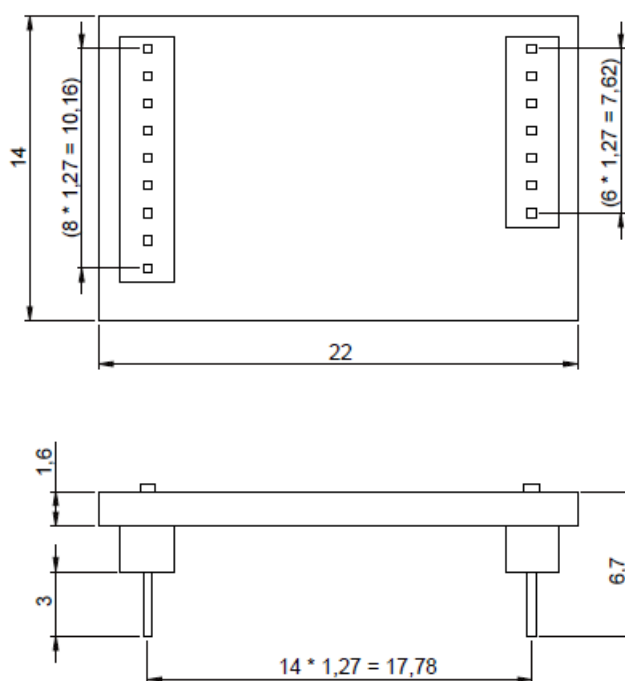


## 1 General description

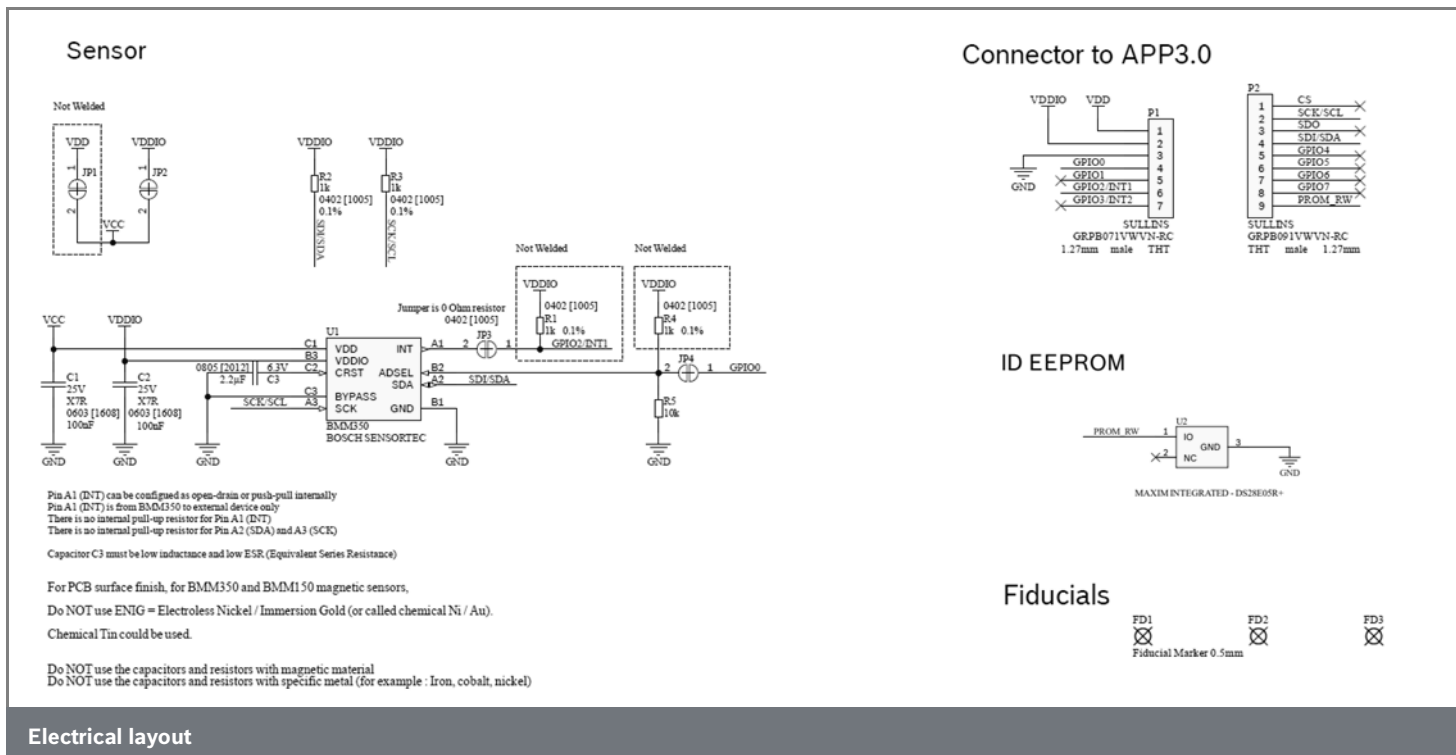
The Bosch Sensortec BMM350 shuttle board 3.0 is a PCB with the magnetic sensor BMM350 mounted on it. As an application board 3.0, the shuttle board can be used to evaluate various functionalities provided on the sensor. It allows easy access to the sensor pins via a simple socket and can be directly plugged into the Bosch Sensortec's application board 3.0.



Note: Product photo may differ from real product's appearance



Shuttle board outline dimensions (all dimensions in mm)



## Electrical layout

## 2 Designator P1 shuttle board connector

| Pin | Pin name   | Description                                 |
|-----|------------|---------------------------------------------|
| 1   | VDD        | Power supply for digital and analog domains |
| 2   | VDDIO      | Power supply for input and output domain    |
| 3   | GND        | Ground                                      |
| 4   | GPIO0      | NC (Not Connected)                          |
| 5   | GPIO1      | NC                                          |
| 6   | GPIO2/INT1 | Interrupt pin 1                             |
| 7   | GPIO3/INT2 | NC                                          |

Shuttle board identification:

- ▶ Shuttle ID: 0x27
- ▶ Shuttle board identifier: BST01448

## 3 Designator P2 shuttle board connector

| Pin | Pin name | Description                                                                                   |
|-----|----------|-----------------------------------------------------------------------------------------------|
| 1   | CS       | Chip selection pin of SPI bus<br>SPI (Serial Peripheral Interface)                            |
| 2   | SCK/SCL  | Clock pin to I2C bus<br>I2C (Inter Integrated Circuit)                                        |
| 3   | SDO      | Master-input-slave-output data pin<br>of SPI bus                                              |
| 4   | SDI/SDA  | Master-output-slave-input data pin<br>of SPI bus / data pin of I2C bus                        |
| 5   | GPIO4    | NC                                                                                            |
| 6   | GPIO5    | NC                                                                                            |
| 7   | GPIO6    | NC                                                                                            |
| 8   | GPIO7    | NC                                                                                            |
| 9   | PROM_RW  | Program to EEPROM Read/Write<br>(Electrically Erasable,<br>Programmable, Read Only<br>Memory) |

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