BHI385
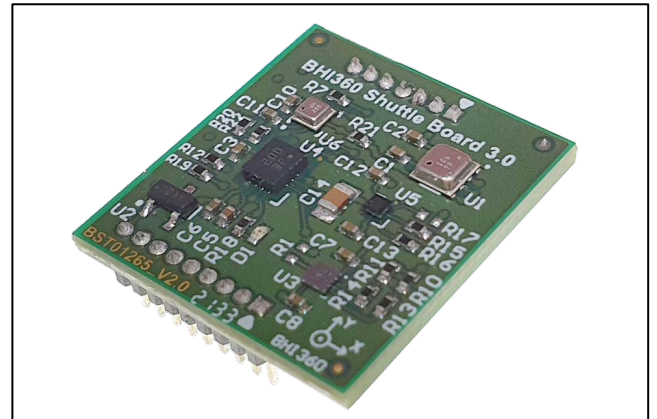## Shuttle board 3.0 flyer

1   General description

The Bosch Sensortec BHI385 shuttle board 3.0 is a PCB with the smart sensor BHI385 mounted on it. In combination with the Application Board 3.x, this shuttle board can be used to evaluate various functionalities provided on BHI385. The shuttle board allows easy access to the sensor pins via a simple socket and can be directly plugged into the Bosch Sensortec Application Board 3.x.
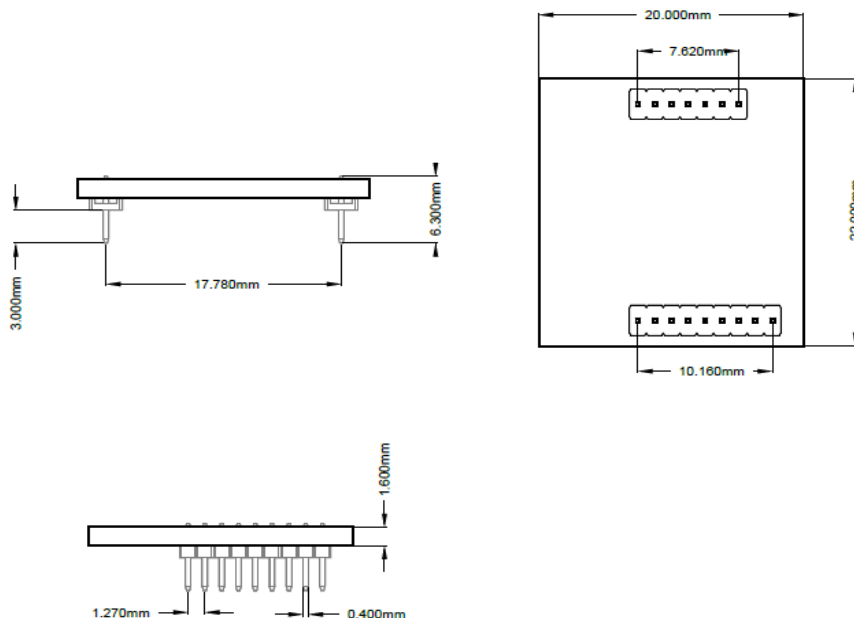
The shuttle board includes following major components:

- BHI385 smart sensor
- BME688 environmental sensor (I2C interface)
- BMP580 pressure sensor (I2C interface)
- BMM350 magnetometer (AUX Interface)
- On-board EEPROM

BHI385 Shuttle board 3.0
Note: Product photo may differ from real product's appearance

Shuttle board outline dimension
All dimensions in mm

Doc.-Number: BST-BHI385-SF000-02

Electrical layout

2 Designator P1 shuttle board connector

Pin	Pin name	Description
1	VDD	Analog power supply voltage (1.71 V --- 1.98 V, apply for all sensors)
2	VDDIO	Digital I/O power supply voltage (1.71 V --- 1.89 V, apply for all sensors)
3	GND	Ground
4	GPIO0	NC
5	GPIO1	BHI385 reset input, active low
6	GPIO2/INT1	Host interrupt pin (connect to BHI385 host interrupt)
7	GPIO3/INT2	NC

Note:
When connecting slave sensors to BHI360 and sharing the VDD/VDDIO power supply, ensure that the VDD/VDDIO voltage is appropriately selected to meet the requirements specified in each sensor's datasheet.

Shuttle board identification:
- Shuttle ID: 0x1B9
- Shuttle board identifier: BST01904

3 Designator P2 shuttle board connector

Pin	Pin name	Description
1	CS	Chip selection pin of SPI bus
2	SCK/SCL	Clock pin of SPI bus / clock pin of I2C bus
3	SDO	Sensor Data Out pin of SPI bus
4	SDI/SDA	Serial Data In pin of SPI bus / data pin of I2C bus
5	GPIO4	NC
6	GPIO5	NC
7	GPIO6	NC
8	GPIO7	NC
9	PROM_RW	Connect to EEPROM

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