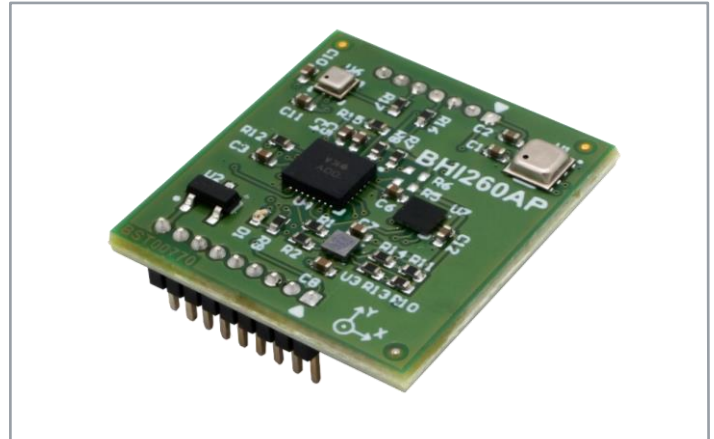**BOSCH**

BHI260AP
Shuttle board 3.0 flyer

GENERAL DESCRIPTION

The Bosch Sensortec BHI260AP shuttle board 3.0 is a PCB with the smart sensor BHI260AP mounted on it. In combination with the application board 3.0, this shuttle board can be used to evaluate various functionalities provided on BHI260AP.

This board can also be used for measuring BHI260AP current consumption (over VDD) and adding own new software inside the BHI260AP.
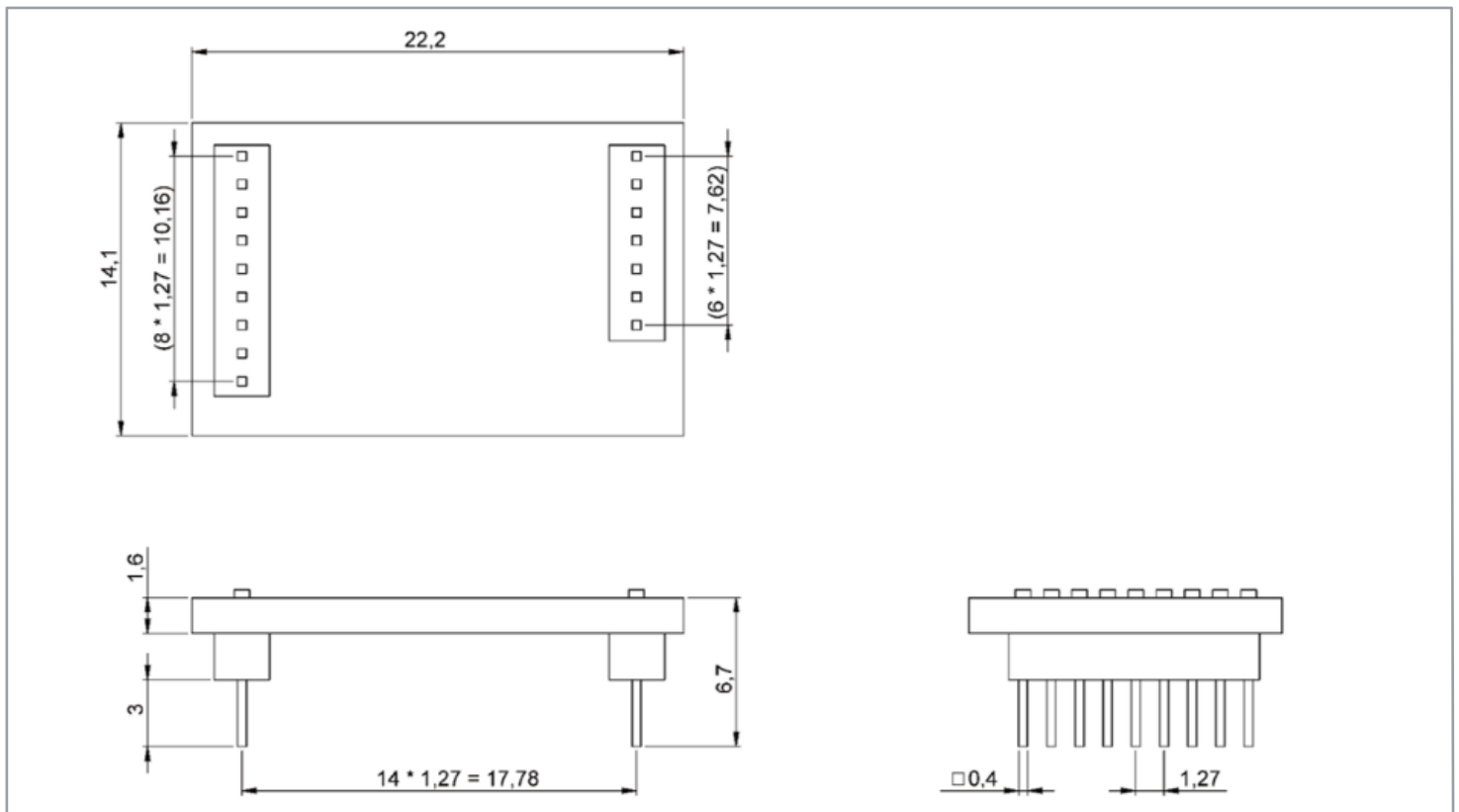
The shuttle board allows easy access to the sensor pins via a simple socket. The shuttle board includes following major components:

- BHI260AP smart sensor
- BME688 environmental sensor (I2C interface)
- BMP390L pressure sensor (I2C interface)
- BMM150 magnetometer (AUX Interface)
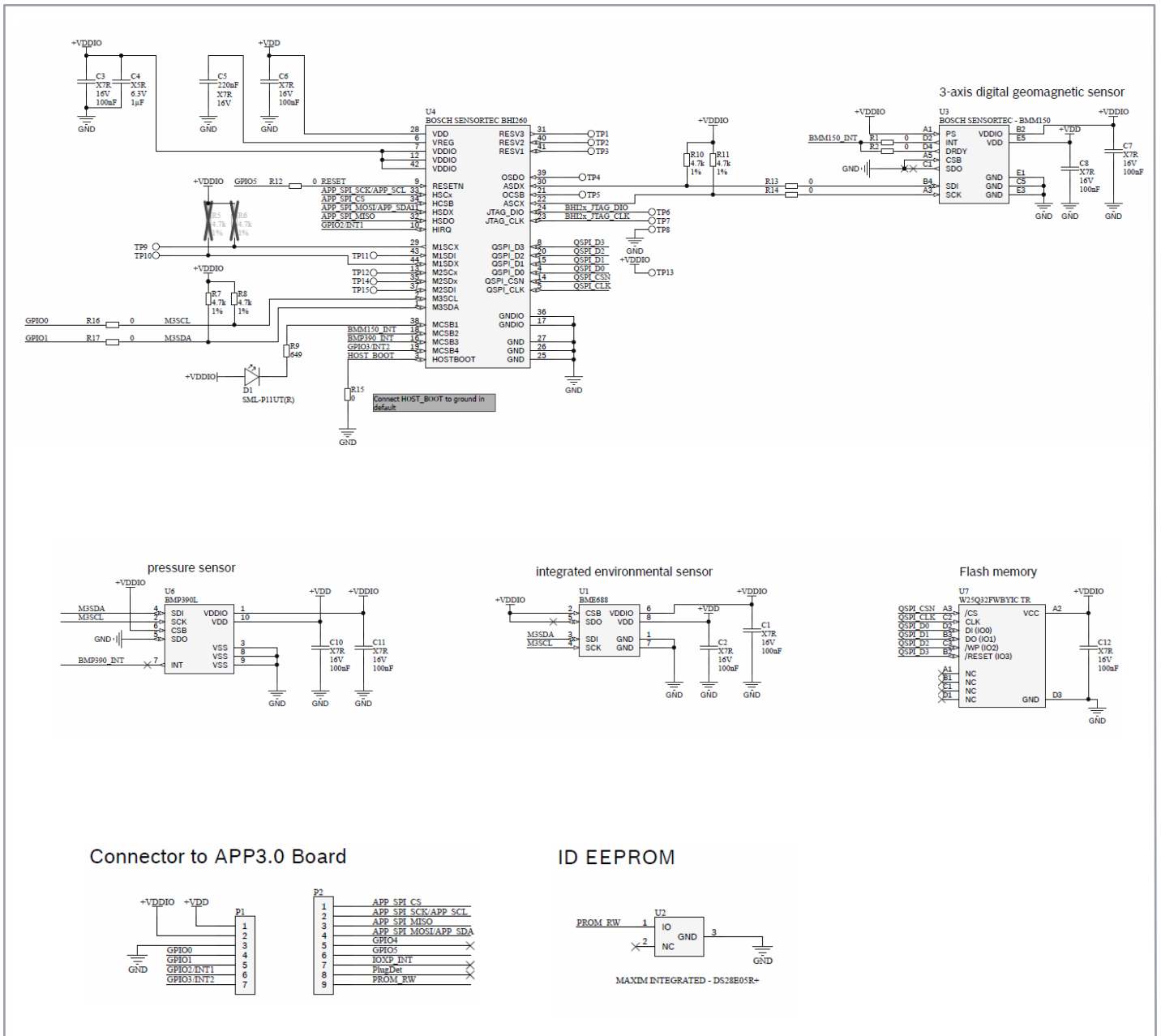- W25Q32FWSSI flash memory 4M (QSPI Interface)
- On-board EEPROM

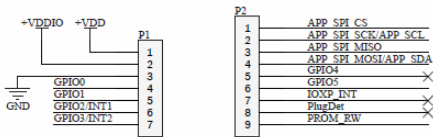The shuttle board version 3.0 allows to be directly plugged into Bosch Sensortec's application board 3.0.

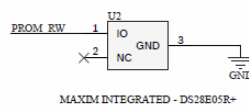Product photo may differ from real product's appearance.

Shuttle board outline dimensions (all dimensions in mm)

BHI260AP shuttle board electrical layout

DESIGNATOR P1 SHUTTLE BOARD CONNECTOR

Pin number	Pin name	Description
1	VDD	Power supply (1.8V only!)
2	VDDIO	Power supply (1.8V only!)
3	GND	Ground
4	M3_SCK	SCL pin of M3, with a 4.7 kΩ pull-up to 1.8V VDDIO
5	M3_SDA	SDA pin of M3, with a 4.7 kΩ pull-up to 1.8V VDDIO
6	INT	Host interrupt pin (connected to BHI260AP host interrupt
7	CS	SPI chip select4/GPIO

DESIGNATOR P2 SHUTTLE BOARD CONNECTOR

Pin number	Pin name	Description
1	CS	Chip selection pin of SPI bus (connected to BHI260AP host interface
2	SCK	Clock pin of both SPI and I2C bus (connected to BHI260AP host interface)
3	SDO	Master-input-slave-output data pin of SPI bus (connected to BHI260AP host interface)
4	SDI	Master-input-slave-output data pin of SPI bus (connected to BHI260AB host interface)
5	NC	
6	RESET	BHI260AP reset input, active low
7	NC	
8	NC	
9	PROM_RW	Connect to EEPROM

Shuttle board identification:

▶ Shuttle ID: 101011001

▶ Shuttle board identifier: BST01047