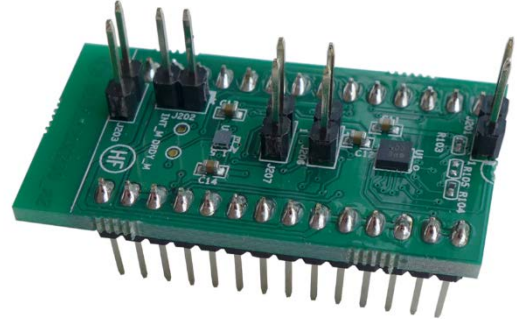


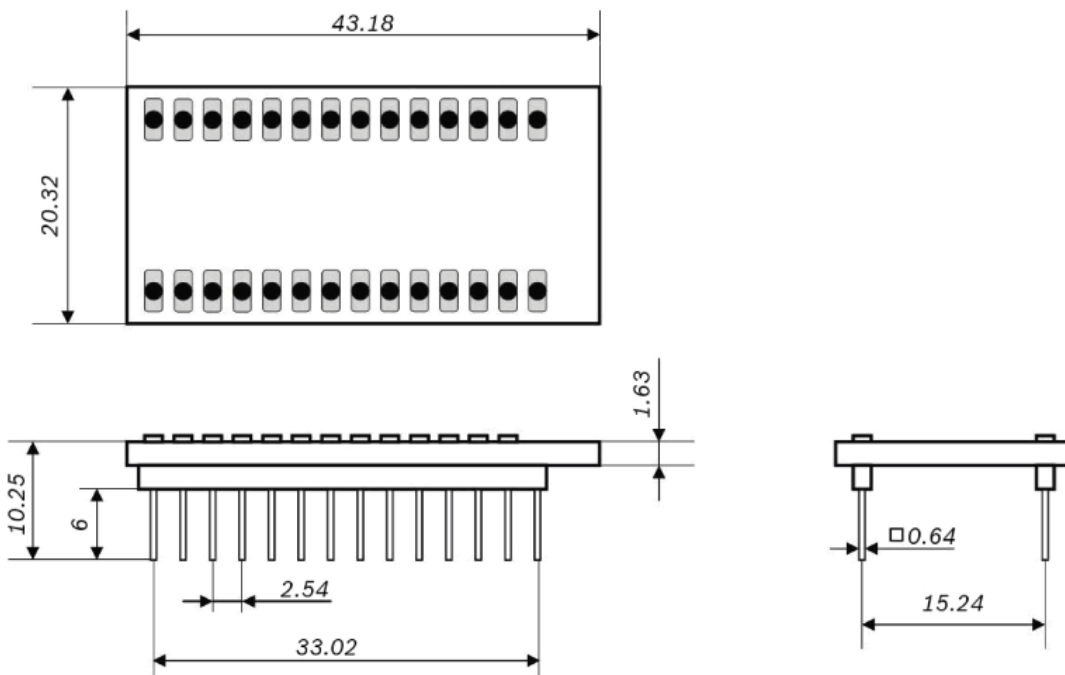
BMI270 Shuttle Board

GENERAL DESCRIPTION

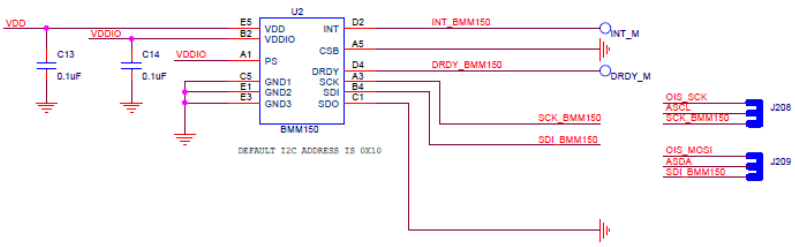
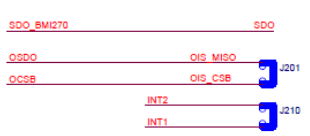
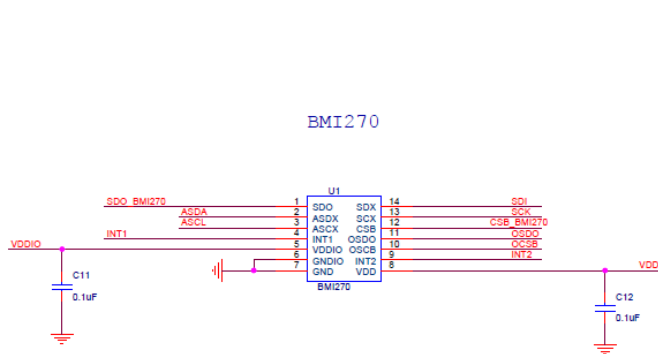
Bosch Sensortec BMI270 shuttle board is a PCB with a 6-DOF Inertial Measurement Unit (BMI270) along with a 3-DOF Magnetometer (BMM150) mounted on it. It allows easy access to the sensor pins via a simple socket. As all Bosch Sensortec shuttle boards have identical footprint, they can be plugged into Bosch Sensortec's advanced development tools (e.g. the Development Board or Application Board). The BMI270 shuttle board can also be used for customer's own implementations.



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



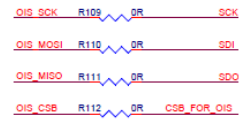
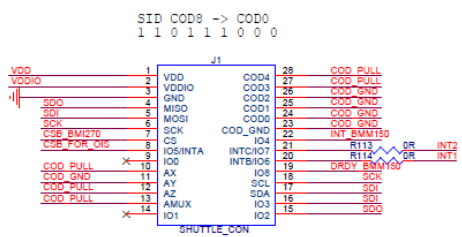
BMI270 Shuttle board outline dimensions (all dimensions in mm)



Unless mentioned in value, all resistor and capacitor could use 0603

I2C address Matrix

SDO	Addr	Part
L	0x68	BMI270
H	0x69	



- Secondary interface Configuration option:
1. Primary is SPI, Secondary is OIS
 2. Primary is SPI, Secondary is MAG interface
 3. Primary is i2c, Secondary is MAG interface
 4. Primary is i2c, then after ois related config. Swtich to SPI Secondary is OIS

BMI270 Shuttle board schematic

Pin	Name	Description
1	VDD	Analog power supply voltage (1.6 V ... 3.3 V)
2	VDDIO	Digital I/O power supply voltage (1.6 V ... 3.3 V)
3	SDA	I ² C serial data (Host interface)
4	GND	Analog power supply ground
5	SCK	I ² C serial clock (Host interface)
6	ASCK	for connection of external sensors
7	ASDA	I ² C Master serial data, for connection of external sensors
8	INT	Host interrupt

DELIVERABLES

- BMI270 shuttle board

Headquarters
Bosch Sensortec GmbH
 Gerhard-Kindler-Straße 9
 72770 Reutlingen · Germany
 Telephone +49 7121 3535 900
 Fax +49 7121 3535 909
www.bosch-sensortec.com