

BMI088 Shuttle Board

GENERAL DESCRIPTION

The Bosch Sensortec BMI088 shuttle board is a PCB with the BMI088 Inertial Measurement Unit (IMU) mounted on it. It allows easy access to the sensor's pins via a simple socket. As all Bosch Sensortec sensor shuttle boards have identical footprint, they can be plugged into Bosch Sensortec's advanced development tools (e.g. the Development Board or Application Board).



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



Shuttle board outline dimensions (all dimensions in mm)

			SID COD8> COD0 0 0 1 1 0 0 1 1 0
GIID 2 VDD 3 VDD CS GIID 4 GNDA II CSB2 G 5 CSB2 II 6 GNDIO VDI PS 7 PS 8 SCK 8	14 CSB1_A 13 INT4_G 12 INT3_G 11 VDDIO 10 SD02	VDD VDD VDD C1 C2 100nF 100nF 100nF 100nF C2 100nF C2 100nF C2 100nF C2 100nF C2 C2 C1 C2 C2 C1 C2 C2 C2 C2 C2 C2 C2 C2 C2 C2	VDD 1 28 COD GND VDDIO 2 VDDIO COD4 27 COD GND GND 3 VDDIO COD3 26 COD GND SDD2 4 GND COD2 25 COD PULL SDD2 4 MISO COD1 24 COD GND SCK 6 MOSI COD0 22 COD GND SCK 6 MOSI COD0 22 COD GND CSB1.A 7 SCK COD_GND 22 COD GND CSB1.A 8 9 IO5/INTA INTC/IO7 20 INT2 A COD PULL 10 INTB/IO6 19 INT4 G AX IO8 18 SCK COD GND 12 AZ SDA 16 SDO2 AMUX IO2 15 SHUTTLE_CON

BMI088 shuttle board schematic

NOTES

- The COD_GND and COD_PULL pins are pins connected to VDD or GND and are used to identify the shuttle board on the Application Board if used together with the DevelopmentDesktop2.0 evaluation software (SID = shuttle board ID).
- The naming of the signals differs slightly from the datasheet: for some signals, '_A' or '_G' was added to help the user to assign the signals to the accelerometer or gyro more easily.

DELIVERABLES

BMI088 shuttle board

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