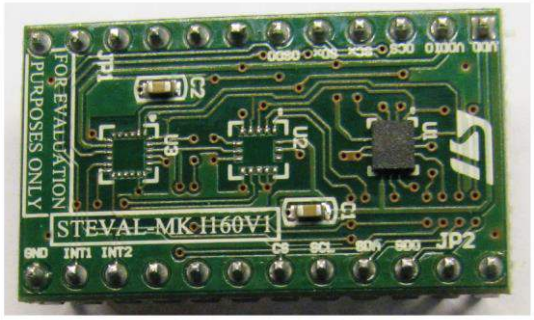
STEVAL-MKI160V1

LSM6DS3 adapter board for a standard DIL24 socket

Data brief



Features

- Complete LSM6DS3 pinout for a standard DIL24 socket
- Fully compatible with the STEVAL-MKI109V2 and STEVAL-MKI109V3 motherboards
- Fully compatible with the X-NUCLEO-IKS01A1 expansion board for STM32 Nucleo
- RoHS compliant

Description

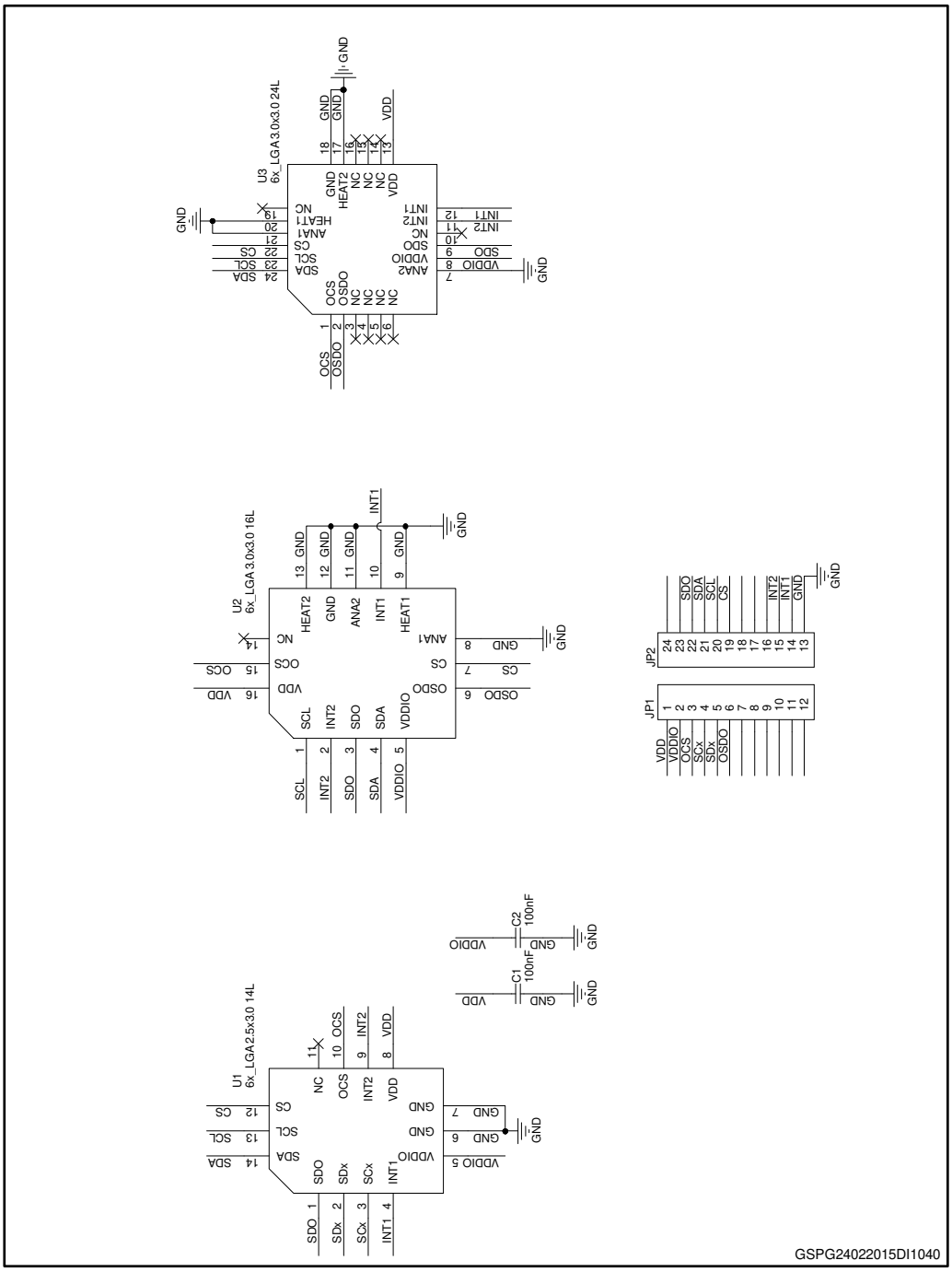
The STEVAL-MKI160V1 is an adapter board designed to facilitate the evaluation of MEMS inertial devices in the LSM6DS3 product family. The board offers an effective solution for fast system prototyping and device evaluation directly within the user's own application. The STEVAL-MKI160V1 can be plugged into a standard DIL24 socket. The adapter provides the complete LSM6DS3 pinout and comes ready to use with the required decoupling capacitors on the V_{DD} power supply line.

The DIL24 adapter is supported by the STEVAL-MKI109V2 and STEVAL-MKI109V3 motherboards and by the X-NUCLEO-IKS01A1 expansion board.

By using the STEVAL-MKI109V2 or STEVAL-MKI109V3, which include a STM32 Nucleo functioning as a bridge between the adapter and a PC, it is possible configure the LSM6DS3 sensor through Unico GUI (Graphical User Interface) or dedicated software routines for customized applications.

1 Schematic diagram

Figure 1: STEVAL-MKI160V1 circuit schematic



2 Revision history

Table 1: Document revision history

Date	Rev	Changes
06-Mar-2015	1	First release.
09-Sep-2015	2	Updated features on the cover page.
06-Sep-2016	3	Updated features and description adding STEVAL-MKI109V3 motherboard compatibility

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