



STEVAL-MKI114V1

Magnetic field probe kit based on the LSM303DLHC

Data brief

Features

- User-friendly LSM303DLHC board
- Complete LSM303DLHC pinout in standard DIL 24 socket
- Fully compatible with the STEVAL-MKI109V1 and STEVAL-MKI109V2
- RoHS compliant

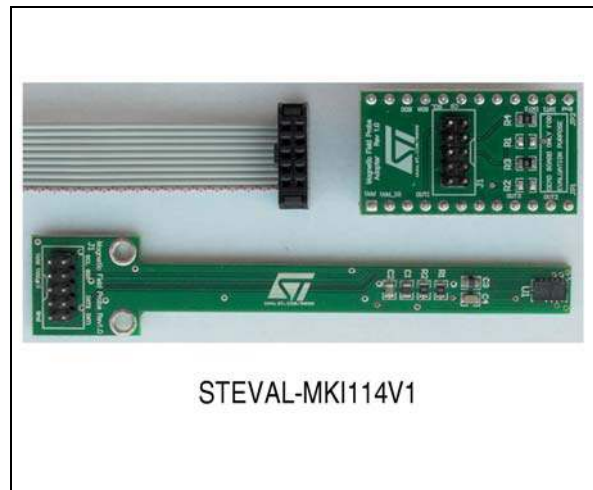
Description

The STEVAL-MKI114V1 demonstration board is a kit made up of a probe, mounting the LSM303DLHC compass module, which is connected through flat cable to an adapter board designed to make it compatible with the STEVAL-MKI109V1.

The device is mounted on the top of a very thin probe, due to its small package size. The probe can be easily used to measure magnetic field intensity, i.e. for finding the source of magnetic field disturbances on a PCB.

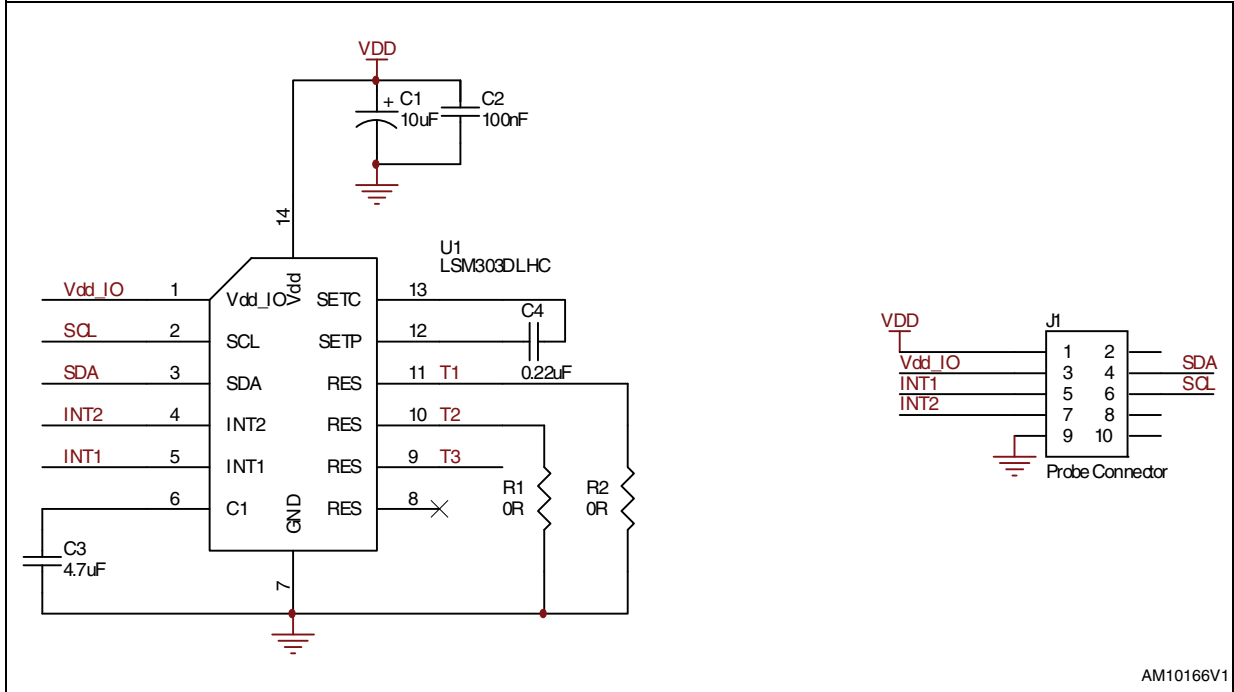
This is possible thanks to the “Unico” software that comes together with the STEVAL-MKI109V2 MEMS motherboard and is able to easily show performance and measurement of the STEVAL-MKI114V1.

Data coming from the digital compass connected to the board can be read through the PC GUI which is downloadable from the ST.com website.



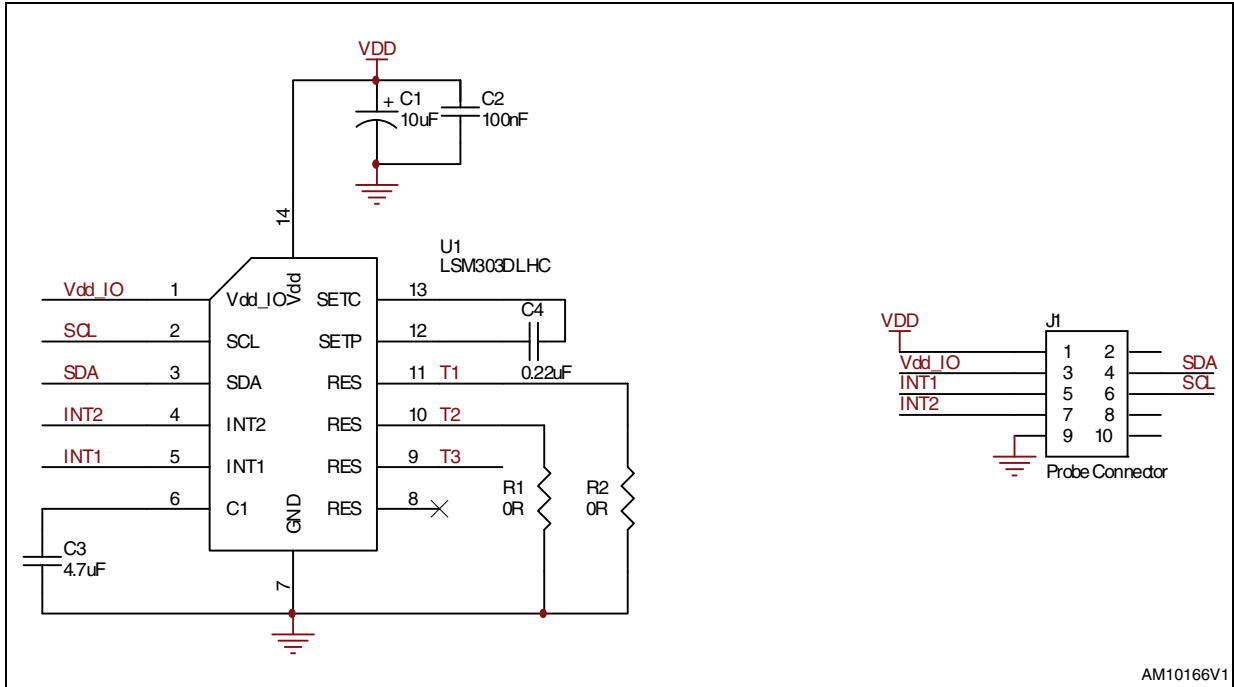
1 Schematic

Figure 1. Schematic 1/2



AM10166V1

Figure 2. Schematic 2/2



AM10166V1

2 Revision history

Table 1. Document revision history

| Date | Revision | Changes |
|-------------|----------|---|
| 07-Sep-2011 | 1 | Initial release. |
| 14-Dec-2011 | 2 | Cover page updated, Figure 1 and Figure 2 updated. |
| 10-May-2012 | 3 | Inserted STEVAL-MKI109V2 demonstration board and modified features and description accordingly. |
| 12-Jul-2012 | 4 | Modified: Description and photo in cover page. |

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