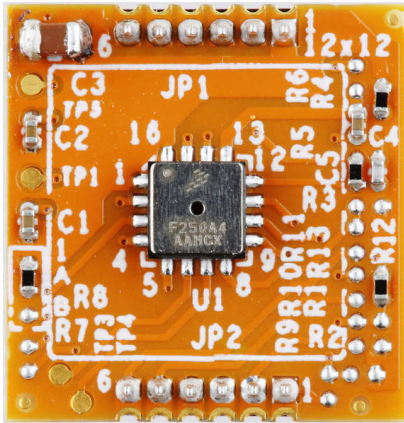


BRKTSTBAPX7250S breakout board



Trademark property of NXP, used by STMicroelectronics under license.

Features

- Sensor evaluation breakout board for FXPS7250X series of digital and analog high-performance pressure sensor
- Enables quick sensor evaluation and helps accelerate quick prototyping and development
- Compatible with Arduino® and most NXP Freedom development boards combined with FRDM7X-INTERFACE board as interposer board

Description

The **BRKTSTBAPX7250S** consists of one of the FXPS7250X series pressure sensors depending on the type of pressure output protocol required; analog or digital (I²C/SPI).

The FXPS7250X is an automotive grade high-performance, high-precision absolute pressure sensor.

The BRKTSTBAPA7250S, BRKTSTBAPDI7250, BRKTSTBAPDS7250 are ideal for many automotive applications such as manifold air pressure (MAP), comfort seating, and other applications requiring operating absolute pressure ranges up to 550 kPa.

1 Ordering information

Table 1. Breakout board URL locations

| Breakout board | Type |
|-----------------|------------------|
| BRKTSTBAPA7250S | Analog |
| BRKTSTBAPDS7250 | SPI |
| BRKTSTBAPDI7250 | I ² C |

Revision history

Table 2. Document revision history

| Date | Revision | Changes |
|-------------|----------|------------------|
| 21-Apr-2026 | 1 | Initial release. |

IMPORTANT NOTICE – READ CAREFULLY

STMicroelectronics NV and its subsidiaries (“ST”) reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice.

In the event of any conflict between the provisions of this document and the provisions of any contractual arrangement in force between the purchasers and ST, the provisions of such contractual arrangement shall prevail.

The purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST’s terms and conditions of sale in place at the time of order acknowledgment.

The purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of the purchasers’ products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

If the purchasers identify an ST product that meets their functional and performance requirements but that is not designated for the purchasers’ market segment, the purchasers shall contact ST for more information.

ST and the ST logo are trademarks of ST. For additional information about ST trademarks, refer to www.st.com/trademarks. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.

© 2026 STMicroelectronics – All rights reserved