**FRDM
KE06
DP5004**

For more information, visit
nxp.com/sensortoolbox

**FRDMKE06DP5004**

**FRDM
KE06
DP5004**

# Quick Reference Card

## Pressure Sensor Toolbox
## Demonstration Kit

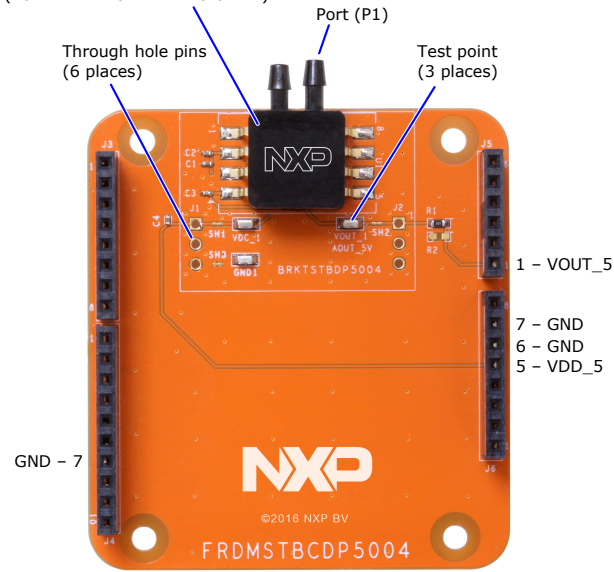FRDMSTBCDP5004 Integrated Pressure Sensor Board and a modified Freescale Freedom FRDM-KE06Z development board

**Get Started**
Download tools and documentation under **Jump Start Your Design** at nxp.com/sensortoolbox

NXP FREEDOM PLATFORM

1. Verify package contents:
   • FRDMSTBCDP5004 development board
   • Modified FRDM-KE06Z board
   • Tubing
   • USB cable

2. Download the mbed Windows serial port driver: developer.mbed.org/handbook/Windows-serial-configuration

3. Attach one end of the tubing to port P1.

4. Plug one end of a USB cable into the SDA port on the assembly. Plug the other end of the cable into the USB port on the computer.

5. Download and install the latest Freedom Sensor Toolbox software at: **nxp.com/sensortoolbox**

6. Start the Freedom Sensor Toolbox software.

7. Apply positive air pressure to the tubing.

MPXV5004DP, 0 to 3.92 kPa, differential and gauge, integrated pressure sensor 8 SOP (10.7 mm x 10.7 mm x 5.6 mm)

Port (P1)

Through hole pins (6 places)

Test point (3 places)

1 – VOUT_5

7 – GND
6 – GND
5 – VDD_5

GND – 7

©2016 NXP BV

FRDMSTBCDP5004

Learn more at nxp.com/sensortoolbox