



For more information, visit
nxp.com/sensortoolbox

NXP and the NXP logo are
trademarks of NXP B.V. All other
product or service names are the
property of their respective owners.
© 2016 NXP B.V.
FRDMKE06DP5004QRC REV 1
920-28891 REV A

**FRDM
KE06
DP5004**

FRDMKE06DP5004

**FRDM
KE06
DP5004**

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



Quick Reference Card

Pressure Sensor Toolbox Demonstration Kit



Get Started

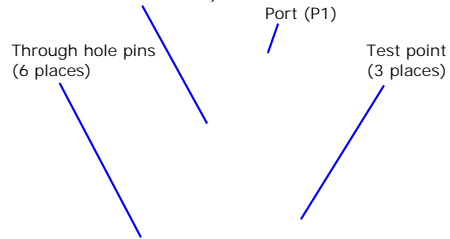
Download tools and
documentation under
Jump Start Your Design
at nxp.com/sensortoolbox



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)



1 – VOUT_5
 7 – GND
 6 – GND
 5 – VDD_5

GND – 7

Get to Know the FRDMKE06DP5004



Learn more at nxp.com/sensortoolbox