



# Differential and Gauge Uncompensated Pressure Sensor (0 to 50 kPa)

## MPXx53

### Not Recommended for New Designs

This page contains information on a product that is not recommended for new designs.

Last Updated: Feb 3, 2026

As of February 2, 2026, NXP MEMS sensor products have been transitioned to STMicroelectronics. For more information, contact STMicroelectronics.

MPX53/MPXV53GC series silicon piezoresistive pressure sensors deliver standard, cost-effective, uncompensated sensors that allow you add your own external temperature compensating and signal conditioning networks to designs.

- Offers a low cost solution for medical and industrial applications such as air movement/ environmental control systems, level indicators, leak detection, medical instrumentation, industrial/pneumatic controls, and robotics
- Provides a very accurate and linear voltage output, directly proportional to the applied pressure
- Enables simplified compensation techniques because of the predictability of NXP's single element strain gauge design

## MPXX53\_BD Block Diagram

PACKAGING ORDERING INFORMATION			
Device Type	Options	Packaging Options	Case
MPXV53GC6T1	Gauge, Side Port, SMT	Rail	482A
MPXV53GC6U	Gauge, Side Port, SMT	Rail	482A
MPXV53GC7U	Gauge, Side Port, SMT	Rail	482A
MPX53D	Differential	Tape & Reel	344
MPX53DP	Differential	Rail	344C
MPX53GP	Gauge	Rail	344B

View additional information for [Differential and Gauge Uncompensated Pressure Sensor \(0 to 50 kPa\)](#).

Note: The information on this document is subject to change without notice.

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