Analog Absolute Pressure Sensor (20 to 550 kPa)

FXPS7xx0A4

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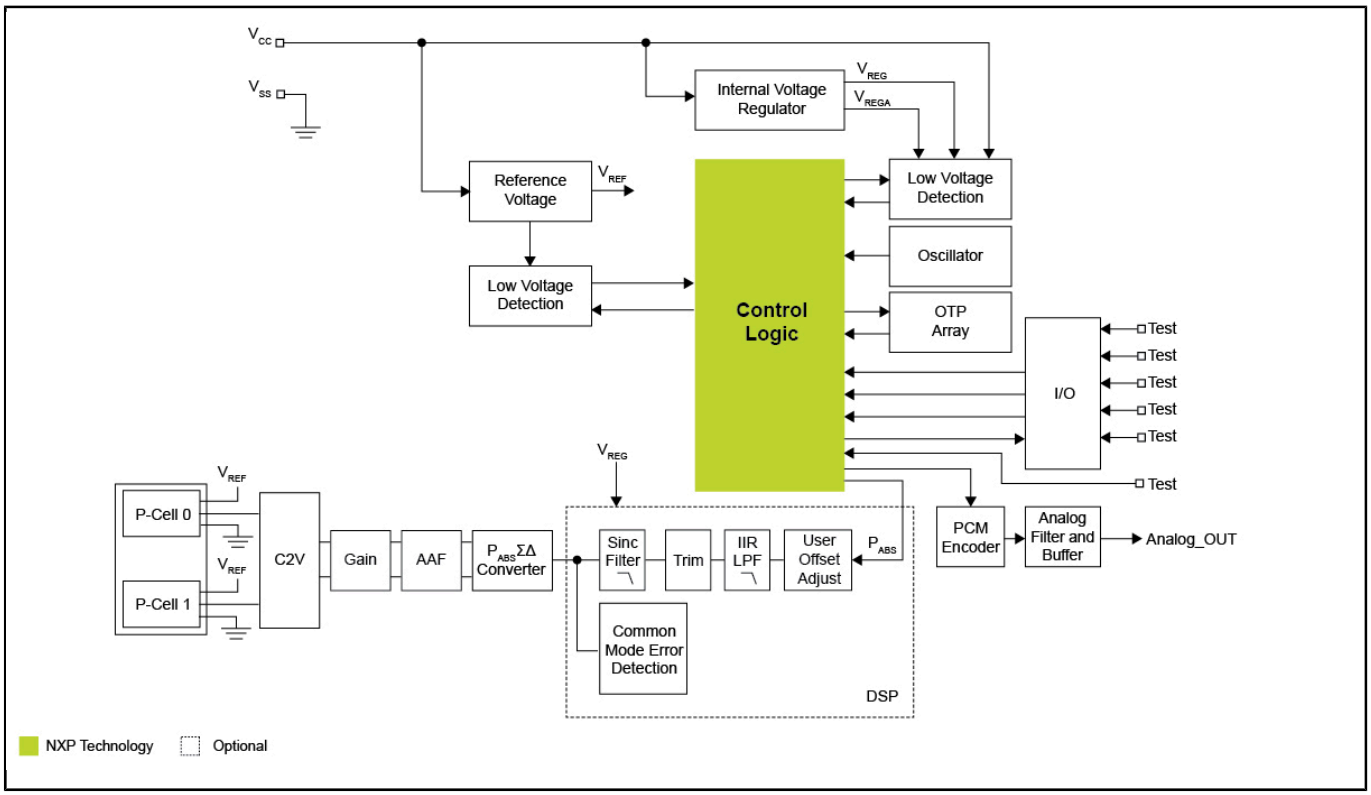
FXPS7250A4ST1, FXPS7400A4ST1, and FXPS7550A4ST1 are the recommend devices for new designs as the FXPS7250A4T1, FXPS7400A4T1, and FXPS7550A4T1 are discontinued.

The FXPS7250 / FXPS7400 / FXPS7550 high-performance, high-precision absolute pressure sensor family consists of a compact capacitive micro-electro-mechanical systems (MEMS) device coupled with a digital integrated circuit (IC) producing a fully calibrated analog output.

This sensor FXPS7 family is 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.

The sensing element is based on NXP's high precision capacitive pressure cell technology. The architecture benefits from redundant pressure transducers as an expanded quality measure. It delivers highly accurate ratiometric analog readings of absolute pressure while operating from either a 3.3 V or 5.0 V power supply.

FXPS7250 / FXPS7400 / FXPS7550 Family Block Diagram Block Diagram



View additional information for Analog Absolute Pressure Sensor (20 to 550 kPa).

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