Highly Configurable 8 Channel ±25 V Universal Input Analog Front-End

NAFEx1388

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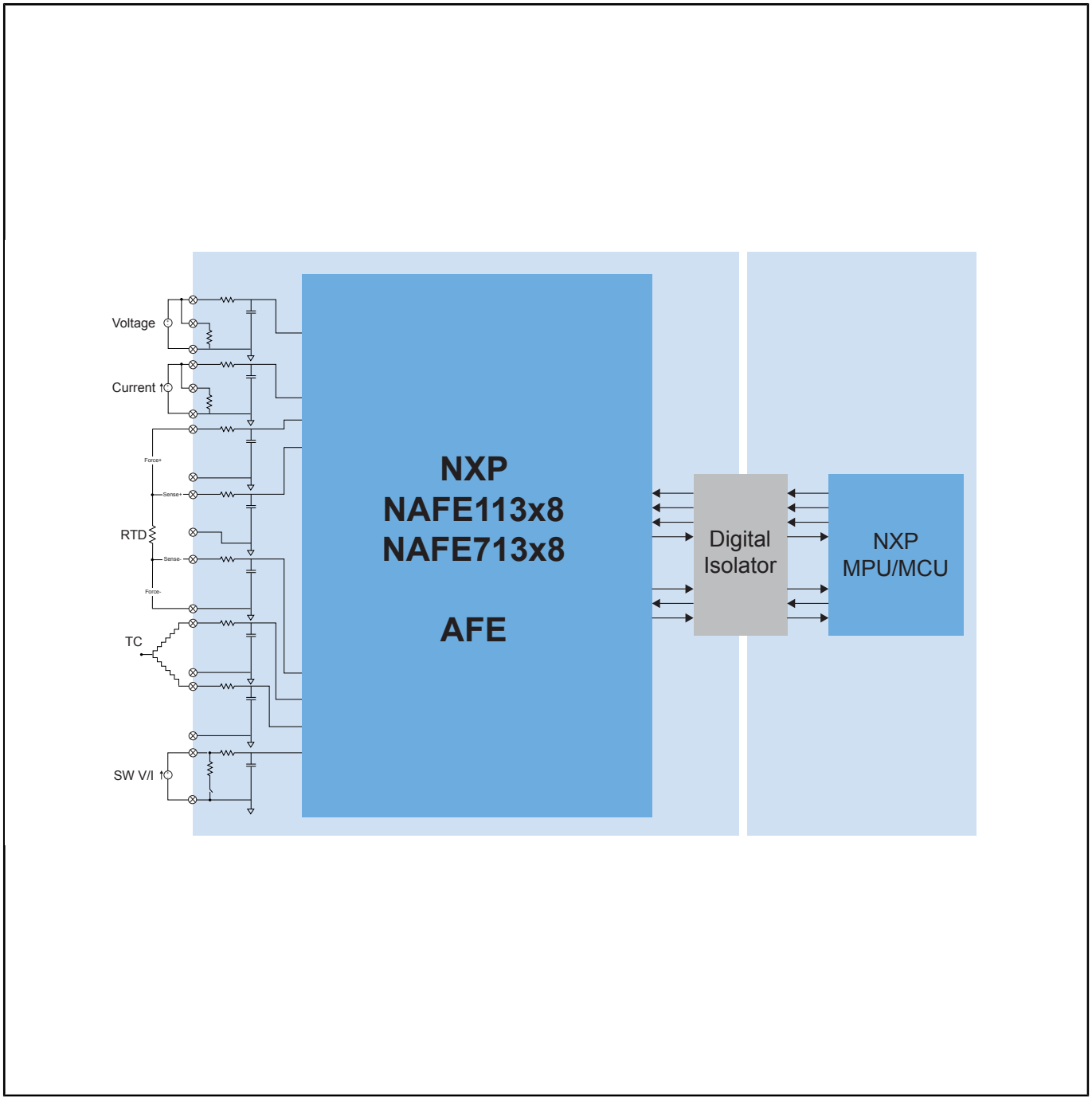
The NAFE11388 / NAFE11348 / NAFE71388 is a highly configurable industrial-grade 8 channel universal input analog front-end (AFE) family that meets high precision measurement requirements. The device integrates low-leakage high-voltage fast multiplexers, low offset and low drift PGA and buffers, precision and high data-rate 16 / 24-bit delta-sigma ADC and a low-drift voltage reference. The analog high voltage (HV) input pins are diode-protected internally for EMC and miswiring scenarios. This device is equipped with various diagnostic and supplies supervisory circuitry for condition monitoring and anomaly detection. Two precise calibration voltage sources are made available for ease of end-to-end system self-calibration and predictive maintenance.

The NAFE11388 / NAFE11348 are dedicated to low power applications while the NAFE71388 supports high speed data rate up to 576 kSPS.

The NAFE11388 / NAFE11348 and NAFE71388 are designed for programmable logic controllers (PLC), I/O modules, data loggers, instrumentation and high precision sensor and data acquisition systems.

For additional information and sample availability, contact your local Sales Office.

NAFE11388 / NAFE11348 / NAFE71388 Analog Front-End Block Diagram



View additional information for Highly Configurable 8 Channel ±25 V Universal Input Analog Front-End.

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

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