



# Programmable LIN 1.3 Alternator Regulator

## TC80310

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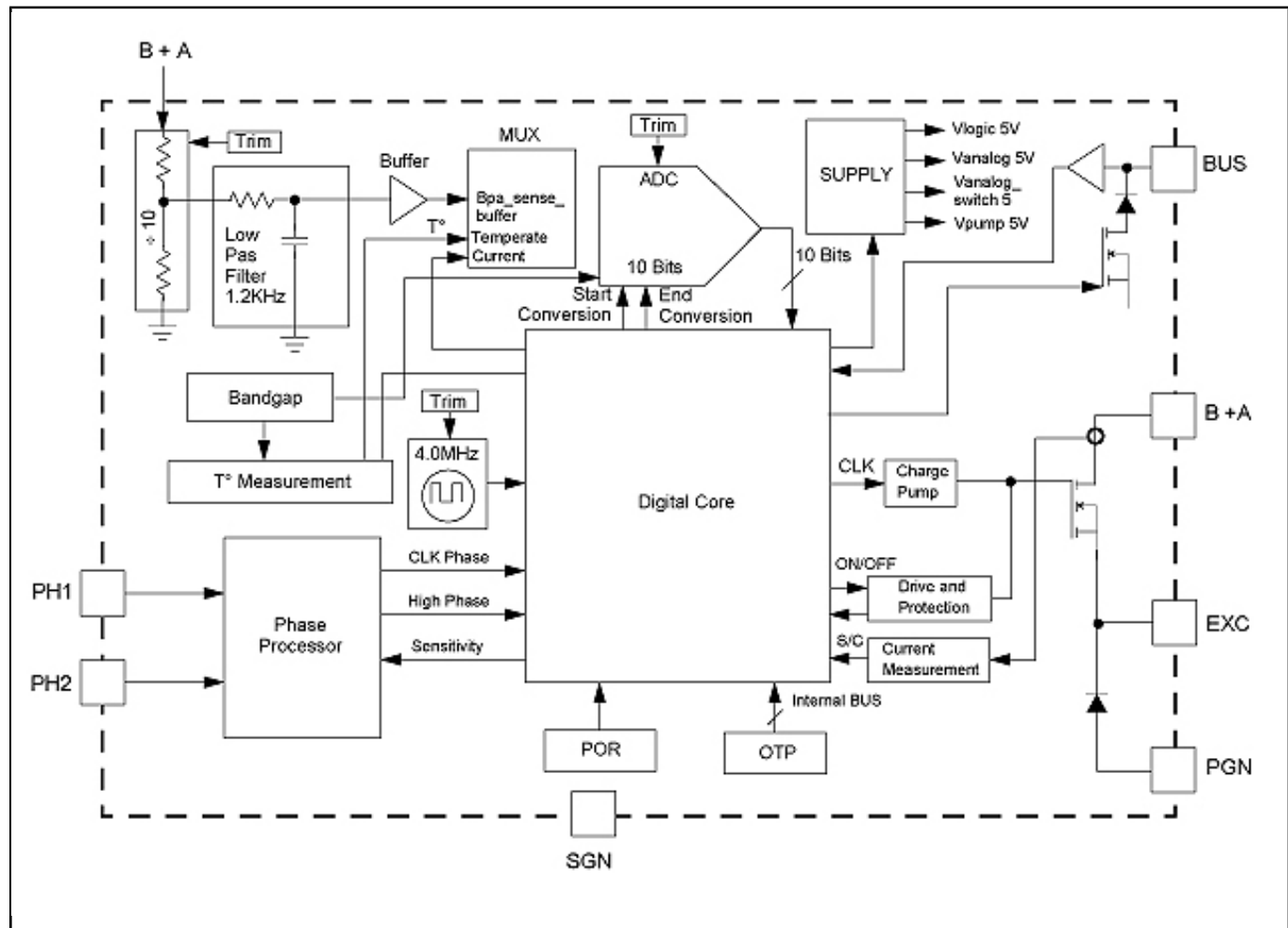
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The TC80310 is designed to provide customers a complete system-on-die solution ,capable of managing the electrical parameters of an Alternator, with rotor excitation current up to 8A, using High Side Excitation technology combined with a Free Wheeling Diode. This new IC can control and diagnose the Alternator by using a standard and robust LIN 1.3 protocol. It also includes Load Response Control (LRC), Thermal Compensation combined with Thermal protection and a Self-Start operation (available in case of LIN disconnection), which are capabilities possible because of a long term NXP® background in the Alternator Regulator market.

Refer to Table 1, in the data sheet, for the factory programmed options. Contact sales for samples and ordering criteria.

## TC80310 Block Diagram Block Diagram



View additional information for [Programmable LIN 1.3 Alternator Regulator](#).

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