



# TEF810x Fully-Integrated 77 GHz Radar Transceiver

## TEF810X

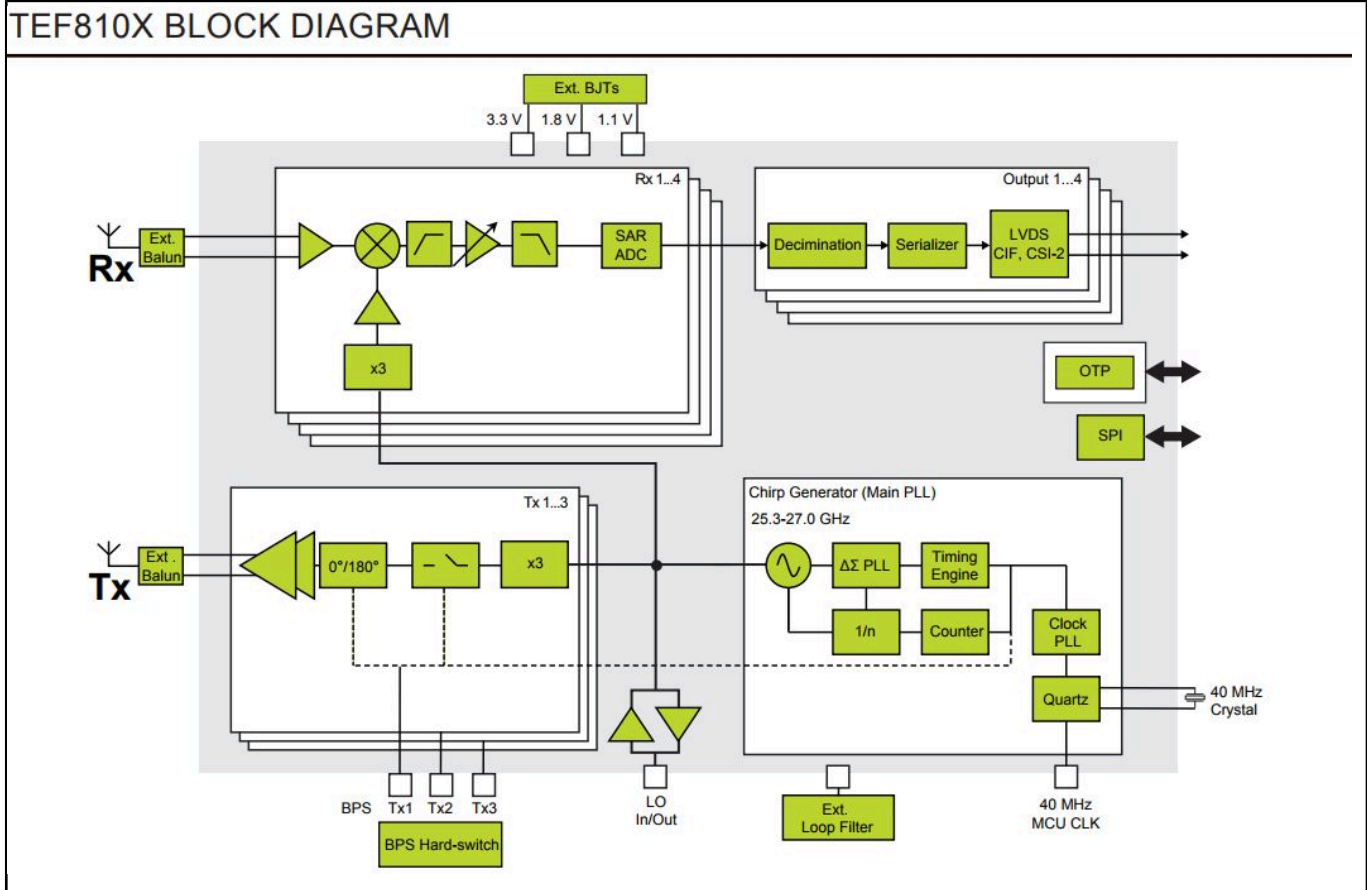
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The TEF810X is a fully integrated single-chip RFCMOS 77 GHz automotive FMCW radar transceiver. This device is intended for usage in short-, medium- and long-range radar applications covering the full automotive radar frequency band from 76 GHz to 81 GHz. TEF810X radar transceiver is a low power radar transceiver which integrates 3 transmitters, 4 receivers, Analog-to-digital converters and low phase noise Voltage Controlled Oscillator (VCO).

This automotive radar device enables several key driver assistance and safety applications as listed below:

- Autonomous Emergency Braking (AEB)
- Adaptive Cruise Control (ACC)
- Blind-spot Detection/monitoring (BSD/BSM)
- Rear Cross Traffic Alert (RCTA)
- Front Cross Traffic Alert (FCTA)
- Rear Collision Avoidance (RCA)
- Parking Assist (PA)
- Rear Occupant Detection/Alert (ROD/ROA)
- Cocoon Radar
- Imaging Radar

# TEF810X Block Diagram Block Diagram



View additional information for [TEF810x Fully-Integrated 77 GHz Radar Transceiver](#).

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

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