E-Scooter

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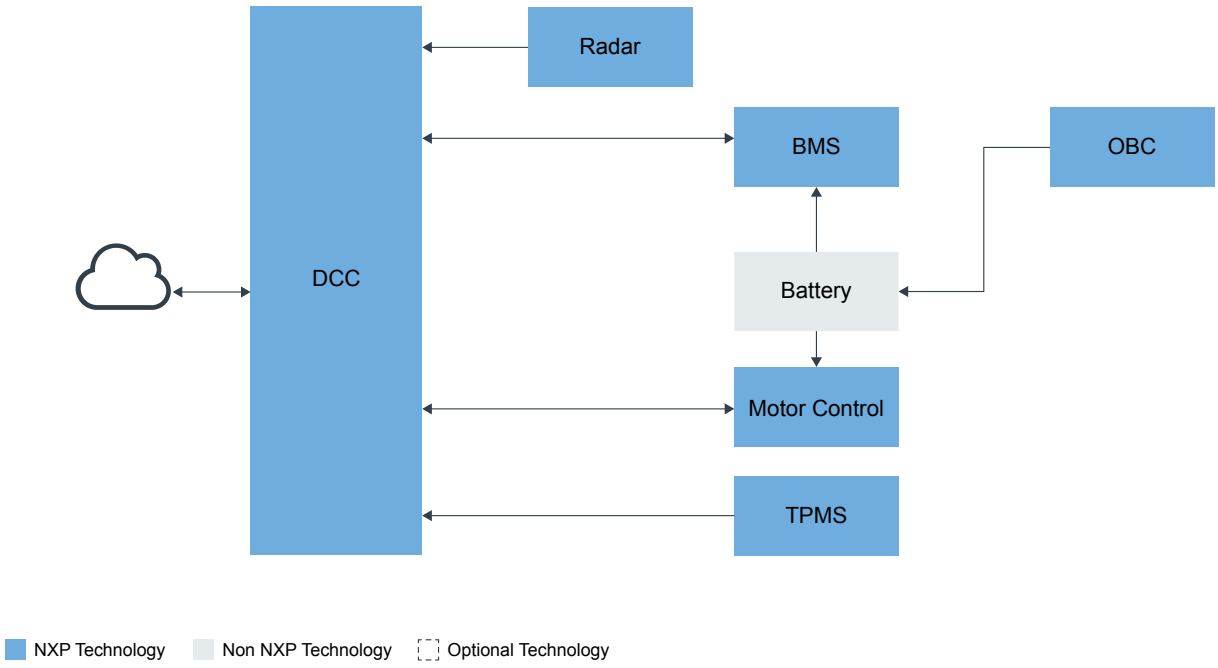
The e-scooter is part of a broader ecosystem of electrified solutions that make life simpler, smarter and greener at every step: changing or charging the battery as well as sharing and driving the EV. Data is constantly analyzed to improve the efficiency of the vehicle, extend the range and increase the battery lifetime. Part of the future of mobility, the e-scooter offers a great experience and performance by adding smart connectivity solutions that connect the two-wheeler to the cloud. It follows industry standards that allows for continuous improvement to performance over time with over the air updates.

E-Scooter - Future Mobility Block Diagram



Recommended Products for E-Scooter - Future Mobility	
DCC	• S32K1: S32K1 車載向け汎用マイクロコントローラ • FS86: ドメイン・コントローラ用セーフティ・システムベーシス・チップ、ASIL BおよびDに適合 • FS8400: Safety System Basis Chip for S32 Microcontrollers, Fit for ASIL B • PF81-PF82: 12-Channel Power Management Integrated Circuit (PMIC) for High-Performance Processing Applications • PCA2131: Nano-Power Highly Accurate RTC with Integrated Quartz Crystal for Automotive Applications • NX5P3090UK: USB PD and Type-C Current-Limited Power Switch • TJA1021: ISO17987 LIN 2.1/SAE J2602トランシーバ • TJA1153: Secure HS-CAN Transceiver with Sleep Mode • TJA1103: TJA1103、ASIL B準拠車載イーサネット100BASE-T1 PHYトランシーバ • i.MX8M: i.MX 8M Family - Arm® Cortex®-A53, Cortex-M4, Audio, Voice, Video • S32K3: S32K3 車載向け汎用マイクロコントローラ • KW39-38-37: KW39/38/37: 32-Bit Bluetooth 5.0 Long-Range MCUs with CAN FD and LIN Bus Options, Arm® Cortex®-M0+ Core • 88W8987: 2.4/5 GHzデュアルバンド1x1 Wi-Fi® 5 (802.11ac) + Bluetooth® 5.2ソリューション

	• NCJ38A: Automotive-Qualified Embedded Secure Element (SE) • NCx3320: Automotive-Grade NFC Frontend IC • NCJ29D5: Trimension™ NCJ29D5: UWB IC for Automotive Applications • HB2002: SPI-Programmable H-Bridge Brushed DC Motor Driver • XS2410: Quad 100 mΩ / Dual 50 mΩ, 3.0 V to 60 V High-Side Switch • TJA1042: 高速CANトランシーバ、スタンバイ・モード搭載 • FXLS8967AF: ±2g/±4g/±8g/±16g, Low Power 12-bit Digital Accelerometer
Radar	• S32R294: Radar Microcontroller • TEF82xx: 完全統合型77 GHz RFCMOS車載レーダー・トランシーバ • TJA1120: TJA1120、ASIL B準拠、車載用イーサネット1000BASE-T1 PHYトランシーバ • TJA1103: TJA1103、ASIL B準拠車載イーサネット100BASE-T1 PHYトランシーバ
BMS	• S32K1: S32K1 車載向け汎用マイクロコントローラ • UJA1169ATK: Mini High-Speed CAN System Basis Chip • MC33664: Isolated Network High-Speed Transceiver • MC33771C: 14-Channel Li-Ion Battery Cell Controller IC • PCA85073A: Automotive Tiny Real-Time Clock/Calendar with Alarm Function and I²C-Bus
TPMS	• NTM88: NTM88高集積タイヤ圧力センサ・ファミリ
Motor Control	• FS26: 低消費電力セーフティ・システムベーシス・チップ、ASIL Dシステム対応 • S32K3: S32K3 車載向け汎用マイクロコントローラ
OBC	• S32K1: S32K1 車載向け汎用マイクロコントローラ • TJA1042: 高速CANトランシーバ、スタンバイ・モード搭載

View our complete solution for E-Scooter.

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