

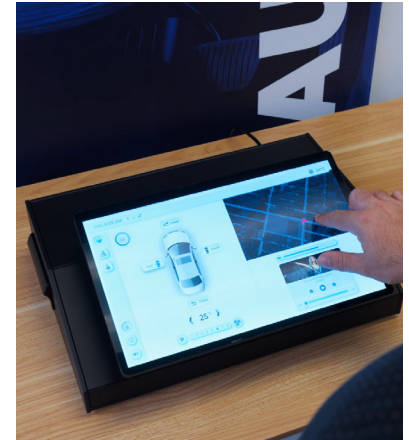
Piezo Haptic Display for Automotive

DRIVING THE FUTURE WITH INTUITIVE TOUCH

Piezo Haptic Display technology transforms how we interact with car controls by replacing conventional buttons with responsive, touch-sensitive feedback. It makes tasks like adjusting navigation, entertainment, or climate feel more natural and immersive. Beyond improving the driving experience, it paves the way for sleeker, more adaptable designs, while boosting safety by helping drivers stay attuned to their vehicle's interface without distraction.

FEEL THE ROAD AHEAD

Piezo actuators enhance driver safety by providing precise haptic feedback in digital cockpits, allowing intuitive control without distraction. This technology enables drivers to interact with essential functions while keeping their eyes on the road. Customizable feedback options create personalized driving experiences, from lane departure alerts to mode changes, ensuring a seamless and premium tactile experience throughout the vehicle.

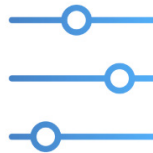


Stay engaged with your vehicle's controls as Piezo Haptic Display technology delivers intuitive feedback, making sure you don't lose sight of the road.



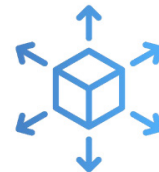
ENHANCED INTERACTION

Enable intuitive, distraction-free tactile feedback in cockpit displays



CUSTOMIZABLE FEEDBACK

Enhances safety and creates personalized driving experiences



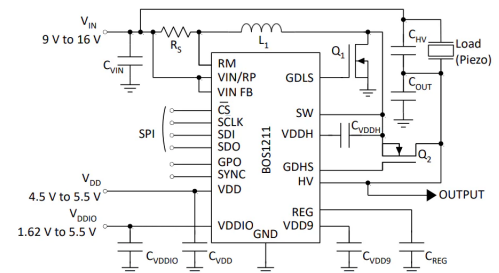
SCALABLE INTERFACES

Ensures a consistent tactile experience throughout the vehicle

POWERED BY OUR CAPDRIVE® TECHNOLOGY: BOS1211

- ↳ AEC-Q100 Grade 2 Qualified
- ↳ Scalable Low Power Piezo Controller
 - Designed for TDK PowerHap 120 V Actuator Portfolio
 - Drives up to 4 μ F
 - Energy Recovery
 - Small Solution Footprint
- ↳ Integrated Digital Front End with SPI
 - 1024-Samples Internal FIFO
 - 2-kB RAM Waveform Memory
 - Waveform Synthesizer
 - 1.8 V to 5.0 V Digital I/O Supply

- ↳ Piezo Sensing Interface
- ↳ Multi-Actuator Synchronization
- ↳ Fast Start-Up Time, < 500 μ s
- ↳ Connects to 12 V Power Bus
- ↳ Offered in a Wettable Flank QFN-24 Package



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