



eBrake™

A Brake-by-Wire Solution for Electric Vehicle

The CTS eBrake™ is a modular pedal that supports brake-by-wire technology designed for electronic braking systems (EBS). Safety is at the forefront of our design process for automotive parts, and this system utilizes multiple sensor technologies to protect end users.



Redundant Sensors to Maximize Vehicle Safety

The CTS eBrake™ leverages multiple sensor technologies to protect end users. By integrating both Hall effect and inductive position sensors, our system hosts multiple chip suppliers. This brake system design is in support of a dual ASIL D functional safety system at the vehicle level.



Modular Design Gives Engineers the Ultimate Flexibility

The modular approach allows for low-effort design changes, enabling cost-effectiveness and flexibility. The eBrake™ can be easily customized to ensure the best solution, accommodating various mounting configurations to maximize flexibility and provide engineering teams with greater design freedom.



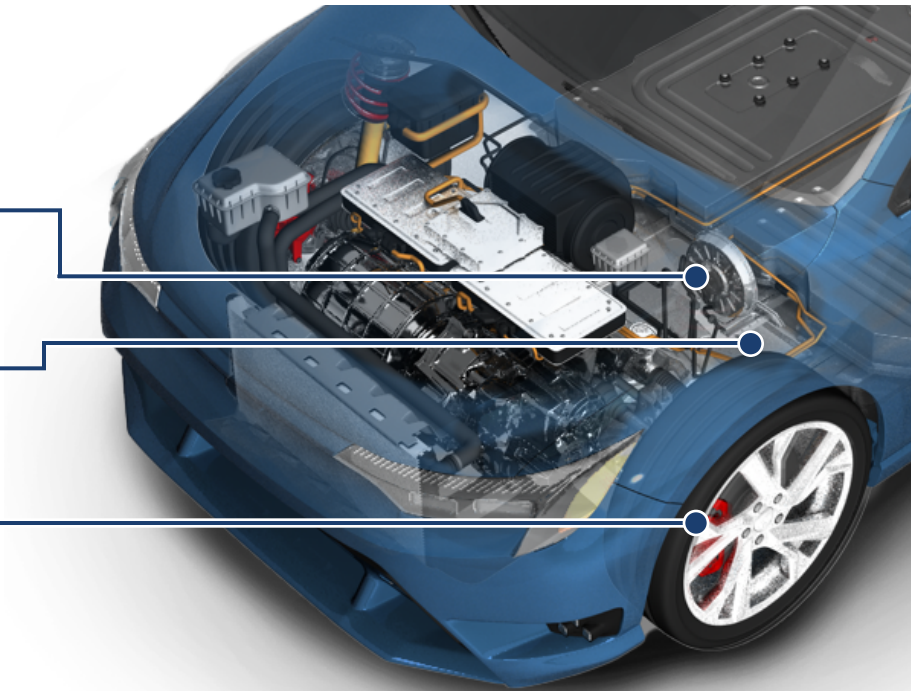
Compact Brake-by-Wire Design Enables Efficiencies

The eBrake™ comes with a compact modular pedal arm that makes switching between LHD and RHD vehicles easy. This easy design change significantly reduces cost and design time.

Modular pedal can be designed to fit your footwell requirements

The compact modular pedal arm supports both RHD and LHD designs with no up charge in material or design changes.

The multiple brake sensing technologies allows for maximum safety capabilities



Technical Specifications Table:

Parameter	Performance
Pedal Arm Length	160 – 250 mm
Braking Systems	Electro-hydraulic or Electro-mechanical
Mounting Configuration	Customer Specification
Output	4-position Dual ASIL D Support
Sensing Type	Hall effect Inductive
Connector Type	Customer Specification
Mechanical Braking Feel	Customer Specification

Years Of Automotive Experience

CTS Corporation began expanding into the automotive market in the early 1970's, when the U.S. government first issued requirements for controlling automotive emissions.

Today, we are a leading provider of sensing solutions, smart actuators, and pedals. With decades of expertise, we've mastered the intricacies of footwell space in both traditional and electric vehicles. The same trusted technology and design principles behind our reliable pedals are now powering innovative EV products like the eBrake™.

Contact Information

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