

Central Seat ECU

Magna's Central Seat ECU provides a scalable solution with the capability to incorporate features for all rows of seating and the opportunity to extend into other vehicle controls (such as doors, steering wheel, mirrors, running boards, etc.).



Smarter



Electrification

Competitive advantage/differentiators

- High performance 32 bit, 48MHz MCU (S32K142)
- 2 KB EEPROM/NVRAM for position memory
- High speed CAN/LIN (CAN-FD scalable)
- Object detection
- Modular concept (Configurable IOs) can be scaled up or down as required
 - Capable to run up to 10 motors with PWM controls and 11 hall effect sensors
 - 4 temperature sensors (thermistors), 10 digital inputs, 5 analog inputs and 4 solenoids
 - 4 high side drivers for heaters and 4 for vents

Applications

- Reconfigurable IOs to support different applications
- Capable of consolidating multiple functions to reduce the number of individual controllers

SOP

Ideation

Discovery

Concept

Development

Serial Preparation

in Production