

Steering Column Adjustment ECUs

APAGCoSyst designs and manufactures control units for steering wheels electrically adjustable for rake and reach.

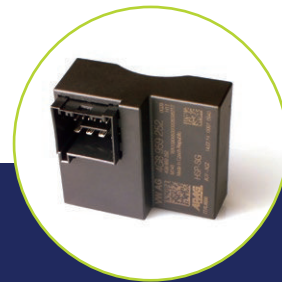
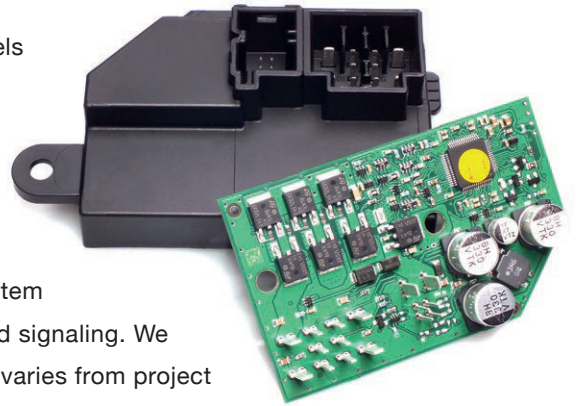
We have experience designing for different OEMs across different models, and with varying constraints and functionalities.

Our development is customer-centric and project specific. We design power stages based on the type of motor being driven and desired system functionality. We customize handling switches, positioning sensors, and signaling. We understand that the connection to the vehicle communication network varies from project to project, and we work to stay current with the relevant EMC and environmental guidelines.

We believe in a close working relationship to ensure that the electronics are integrated into the mechanics of the steering column – taking into account space, packaging, mounting, and housing connector design constraints.

Given our experience, we are certainly well-versed with common motor driving functions. Additionally, we also understand diagnostics and monitoring functions, luxury features, speed management, noise optimization, and state-of-the-art security measures.

We are your ideal partner for your high-quality, feature-rich, custom steering rake and reach adjustment ECU.



Specifications

- Power Stages for Motors:
 PWM, Full DC
- Communication Interface:
 LIN, CAN
- Inputs for Positioning and Motor movement:
 - Switches with or without Wake Up functions,
 - Voltage and resistance coded switches,
 - Hall Interface
- Outputs for Signaling (LED drivers)
- Temperature and Voltage monitoring
- Motor current monitoring
- Speed controller for constant speed
- Accoustic optimization
- Diagnostic functions
- Memory functions
- Easy Entry function
- Stall and Anti Trap functions