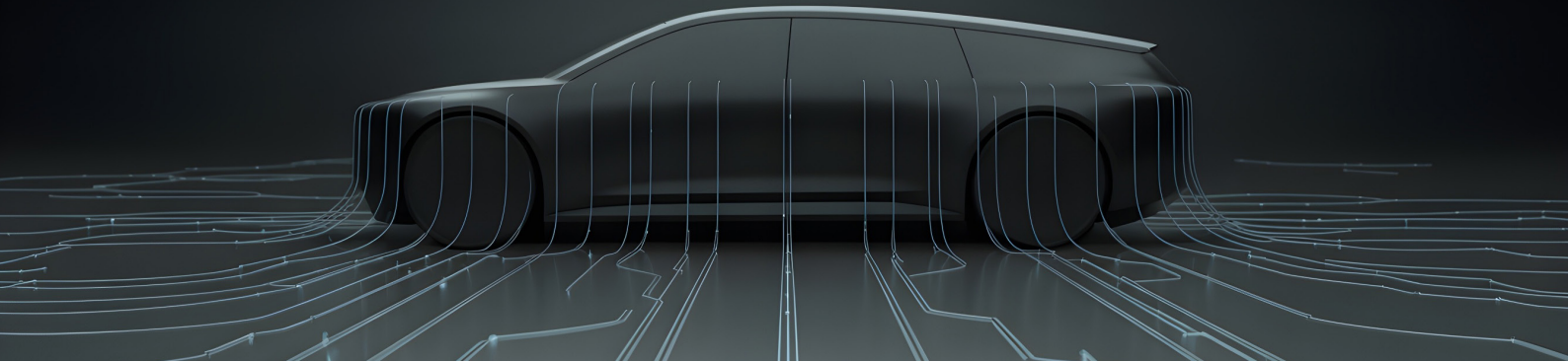
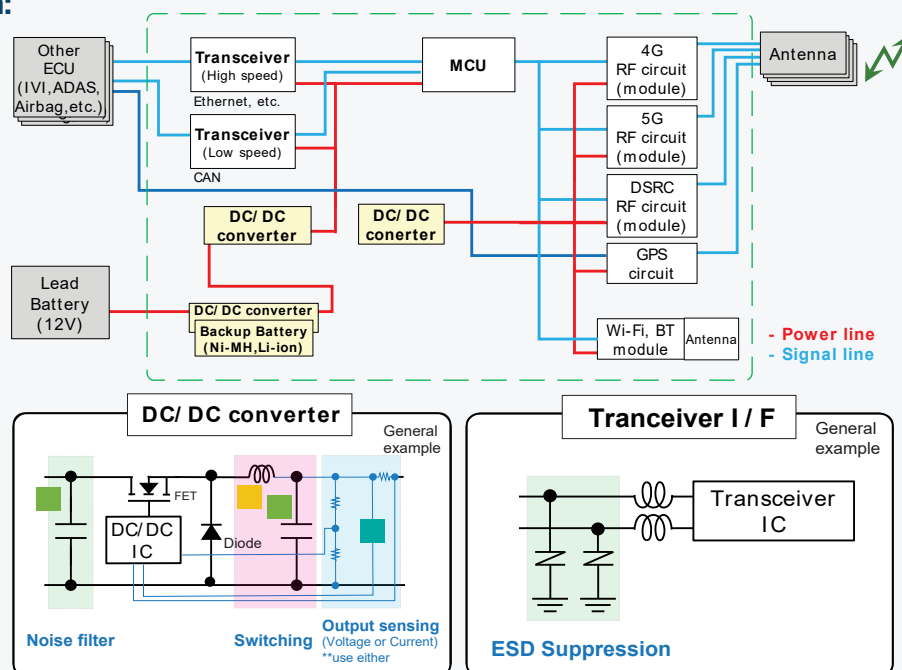




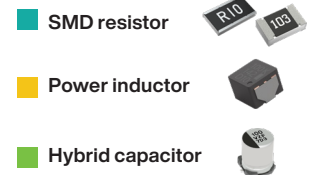
TCU (Telematics Control Unit)

The TCU (Telematics Control Unit) is a communication unit that connects with external systems such as the cloud, servers, and the internet. This connectivity enhances vehicle functions, driving support (for safer driving), and overall comfort. The system utilizes cellular and DSRC (Dedicated Short-Range Communications) technologies. By installing a TCU, services such as emergency calls (e-call), various support options, information access, and entertainment can be available.

Block Diagram:



Our devices



Design consideration:

- Large current
- Low loss
- High frequency
- Miniaturization

Recommended product:

Capacitor

- Hybrid capacitors ([ZC](#) / [ZKU](#) / [ZV](#) / [ZL](#))

Power inductor

- Low cost / low profile series ([LE](#) / [LP](#))

Resistor

- High precision resistors ([ERJPC](#))
- High power resistors ([ERJB](#) / [ERJP](#))