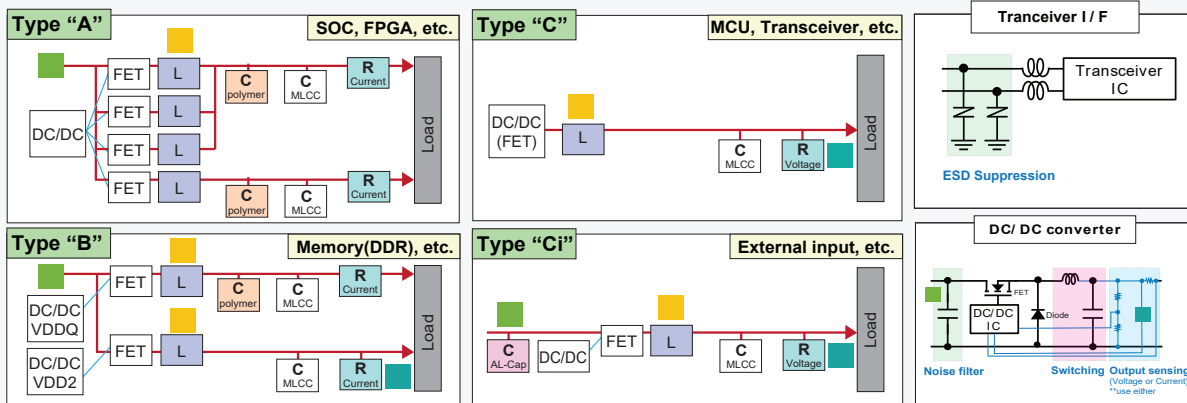




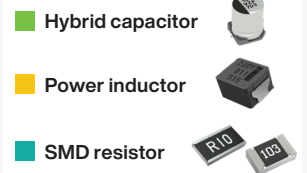
DCU (Domain Control Unit) for ADAS, AD

A Domain Control Unit (DCU) is a type of Electronic Control Unit (ECU) designed to consolidate and manage various functions within a specific domain of a vehicle. Unlike traditional ECUs, which typically handle single functions, a DCU integrates multiple related functions, improving efficiency and reducing wiring complexity. This is particularly important in modern vehicles, which increasingly rely on complex electronic systems for safety and performance.

Block Diagram:



Our devices



Design consideration:

- Measurement accuracy
- Large current
- Low loss
- Miniaturization
- High heat resistance

Recommended product:

Capacitor

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

Power inductor

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

Resistor

- High precision resistors ([ERA*A](#))
- High power resistors ([ERJB](#) / [ERJP](#))

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