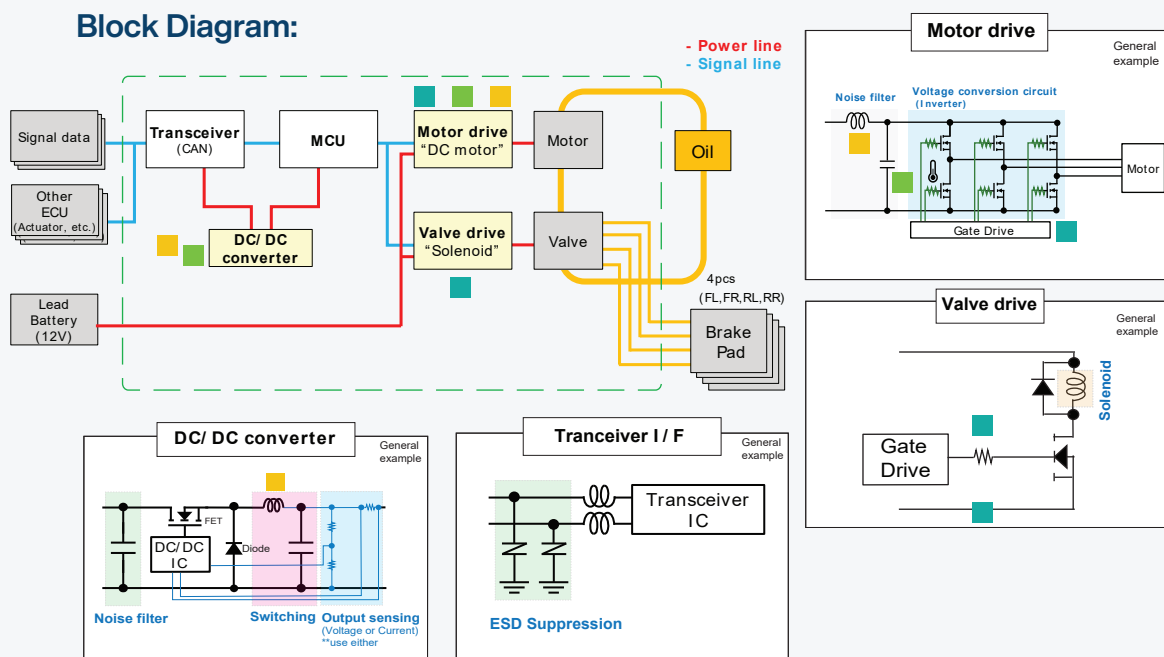




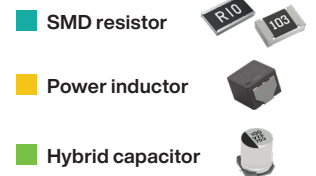
## ESC (Electronic Stability Control)

ESC is the brake control system. The combination of three systems (ABS, TCS, and Yaw Control) controls driving stability, anti-slip and brake assist. It detects understeer, oversteer, and loss of traction, then applies individual wheel braking and may reduce engine torque to keep the vehicle on its intended path. This significantly improves stability and reduces crash risk.

### Block Diagram:



### Our devices



### Design consideration:

- Low ESR
- High ripple current
- High capacitance
- High thermal stability

### Recommended product:

#### Capacitor

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

#### Power inductor

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

#### Resistor

- High power resistors ([ERJP](#))
- Shunt resistors ([ERJB / ERJ\\*BW](#))