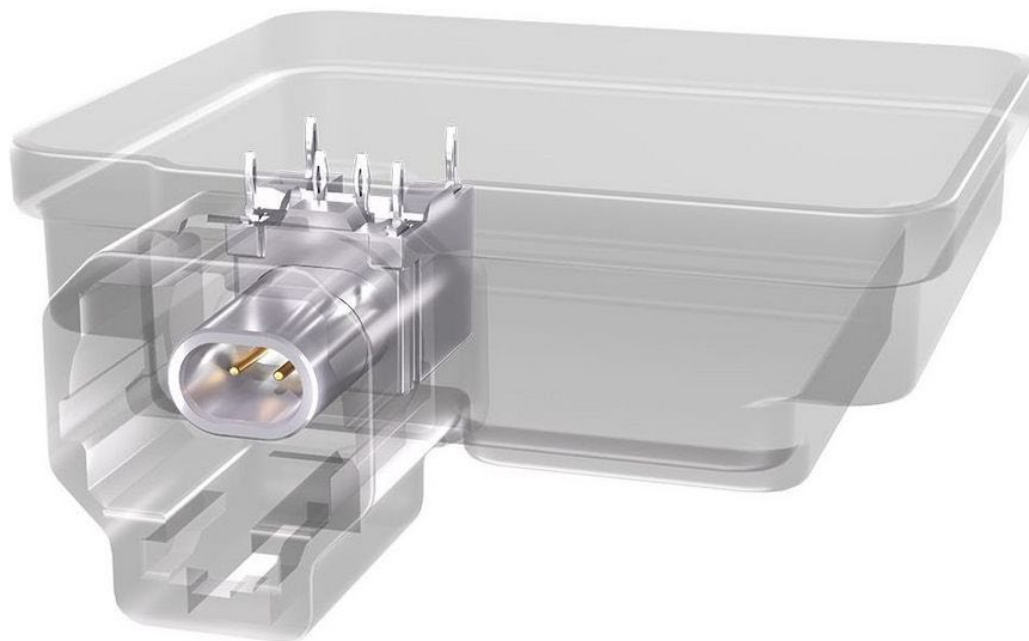


10Gbps+ Ethernet Connector for Automotive



Under the name Ennovi-Net, Ennovi introduces a customizable automotive Ethernet connector solution that supports 10 Gbps operation. It is equipped with a USCAR interface based on Press-Fit technology.

The Ennovi-Net connectors are equipped with a standardized USCAR interface. However, instead of soldered pins, special press-fit pins are used for through-hole mounting. This eliminates the need for soldering.

Through press-fit connection solutions ...

simplifies assembly. Since solder is no longer used, there are no problems with fluctuating amounts of solder paste applied (and the associated capacity). In addition, compared to solder pins, resonances are reduced, signal integrity is increased, and solder fumes are avoided.

The automotive Ethernet connector solution allows adaptation to specific PCB and connector interface positions. Specific press-fit pins for Tier 1 suppliers can be considered. The connectors support an operating temperature range of -40°C to +105°C and have a lifetime of ≥ 25 mating cycles.

Areas of application include ADAS ECUs, zone controllers, radar housings, sensor housings and HV powertrain controllers.