

Radar Interconnect

Radar interconnect modules provide complete, fully self-contained, solder-free, pluggable interfaces for radar sensors that include robust EMI shielding and physical vapor deposition (PVD) coating for robust lifecycle performance.

UNBLOCKED RADAR PERFORMANCE



The built-in radome provides a protection for the radar while enabling permeable passage of signals without distortion or attenuation.

PHYSICAL PROTECTION OF RADAR UNIT



The main housing is engineered with low induction plastics that provide both EMI shielding and robust sealing of the entire module.

PLUG-AND-PLAY PERFORMANCE



Our radar interconnect modules provide solderless plug-and-play convenience along with options for CAN and Ethernet interfaces.

APPLICATIONS

Short-, mid- and long-range radar sensors within in-vehicle networks:

- + Electric vehicles
- + Commercial transportation
- + Personal mobility

RADOME

- + Radome as a permeable protective structure for the radar system.

01. EMI SHIELDING

- + EMI shielding with PVD coating for excellent adhesion and conductivity, providing outstanding coverage in hard-to-reach locations without altering part dimensions.

02. SIGNAL INTERCONNECT

- + Press-Fit pin options: 0.4 EON, 0.4 miniPLX™, 0.64 EON.
- + Option for automotive qualified plating including standard tin, tin flash, silver-tin, and IndiCoat™, a whisker mitigation plating technology developed by ENNOVI to prevent potential short circuits.
- + CAN and Ethernet interfaces.

03. MEMBRANE

- + Membrane for contamination control while reducing pressure differentials.

04. MAIN HOUSING WITH UV GLUE POTTING AT THE TERMINAL AREA

- + Engineering plastics with low induction rate and electromagnetic wave shielding properties.
- + Robust sealing between terminals and plastic housing.

