

# 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.

# ENNOVI™

## 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.

