



## FUTURE MOBILITY

### Smart Connected Vehicle (V2X) MA08



Thanks to the development of advanced driver-assistance systems (ADAS) technology, self-driving cars are already capable of making decisions based on information acquire by various on-board sensors (cameras, radar, LiDAR). In addition to this, by implementing the ever growing technology of 5G network and C-V2X technology, larger amounts of information can be used to realize even more advanced self-driving systems.

As one of JAE's initiative toward the coming 5G era of self-driving technology, we introduce the MA08 floating coaxial board-to-board connector. This product is being developed for the next-generation smart antennas utilizing C-V2X technology, where it is required to process larger amounts of data and connect to larger numbers devices while offering lower latency and more reliable connection.

#### Key Features

- Bulk connection of multi-way coaxial contacts
- 500hm Impedance
- Floating structure
- Axial direction:  $\pm 0.2\text{mm}$ , horizontal direction: max 0.2mm
- Small scale low profile design
- Contact pitch: 6mm, board-to board height: 7mm
- All parts are moulded

#### Key Applications

- Smart Antenna (Shark Fins) for 4G/5G, V2X, GNSS

#### Key Benefits

- Floating coaxial board-to-board connector suitable for smart antennas
- The design of MA08 allows for variations in the number of ways as well as the board-to-board height depending on the number of signal lines required
- Automatic mounting type
- Standardized receptacle connector

