

Self-aligning Connector (Non-waterproof/Waterproof)

Under
development
Available after
2028

Self-aligning connector designed for automated assembly of modularized products, with a structure that can absorb misalignment in X, Y, and Z directions

Background or Assignment

As vehicle automated assembly advances, connector mating still depends on manual work. When shifting manual processes to automation, measures to absorb misalignment during assembly are necessary.

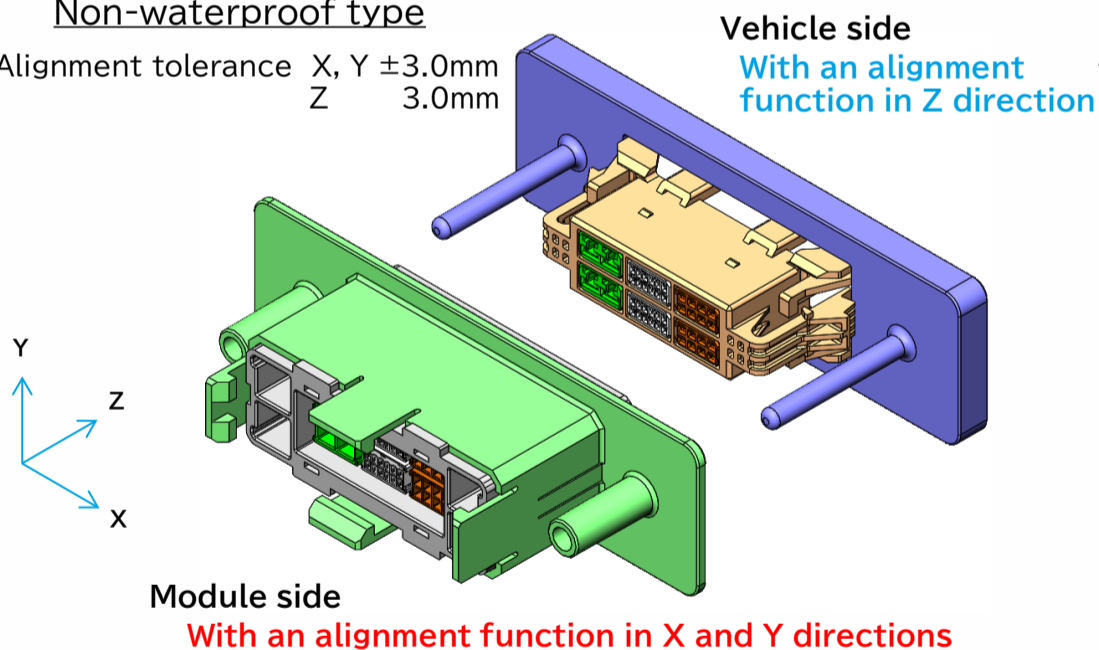
Solutions to Challenges

- 1 Since alignment in X, Y, and Z directions is possible, assembly misalignment when installed in equipment can be absorbed.
- 2 Connector mating can be performed simultaneously with module assembly.
- 3 Both non-waterproof and waterproof connectors available

Main performance, specifications, and structure

Non-waterproof type

Alignment tolerance X, Y $\pm 3.0\text{mm}$
Z 3.0mm



Waterproof type

Alignment tolerance X, Y $\pm 3.0\text{mm}$
Z 3.0mm

