

## Board-to-FPC Connector CF1

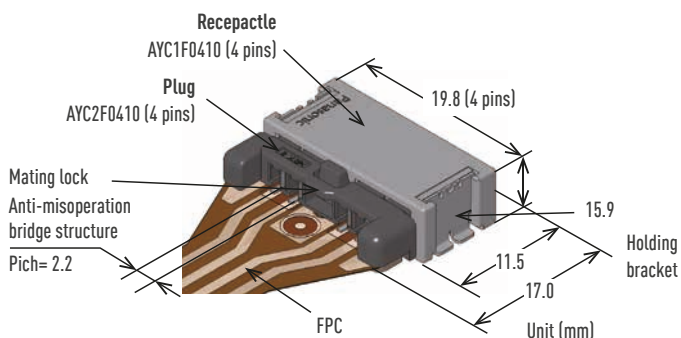
For Automotive Application with 125 °C heat resistance

### Benefits

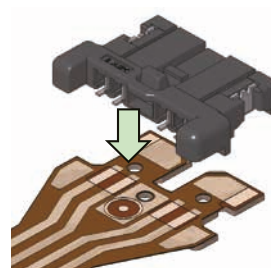
- › FPCs and boards can be directly connected without relay wiring harnesses
- › “Anti-misoperation bridge structure” prevent unintended operation of mating lock
- › Contact reliability is preserved by double-sided contact structure
- › Inertia lock construction\* prevents half-mating

### Construction

#### › Mating condition



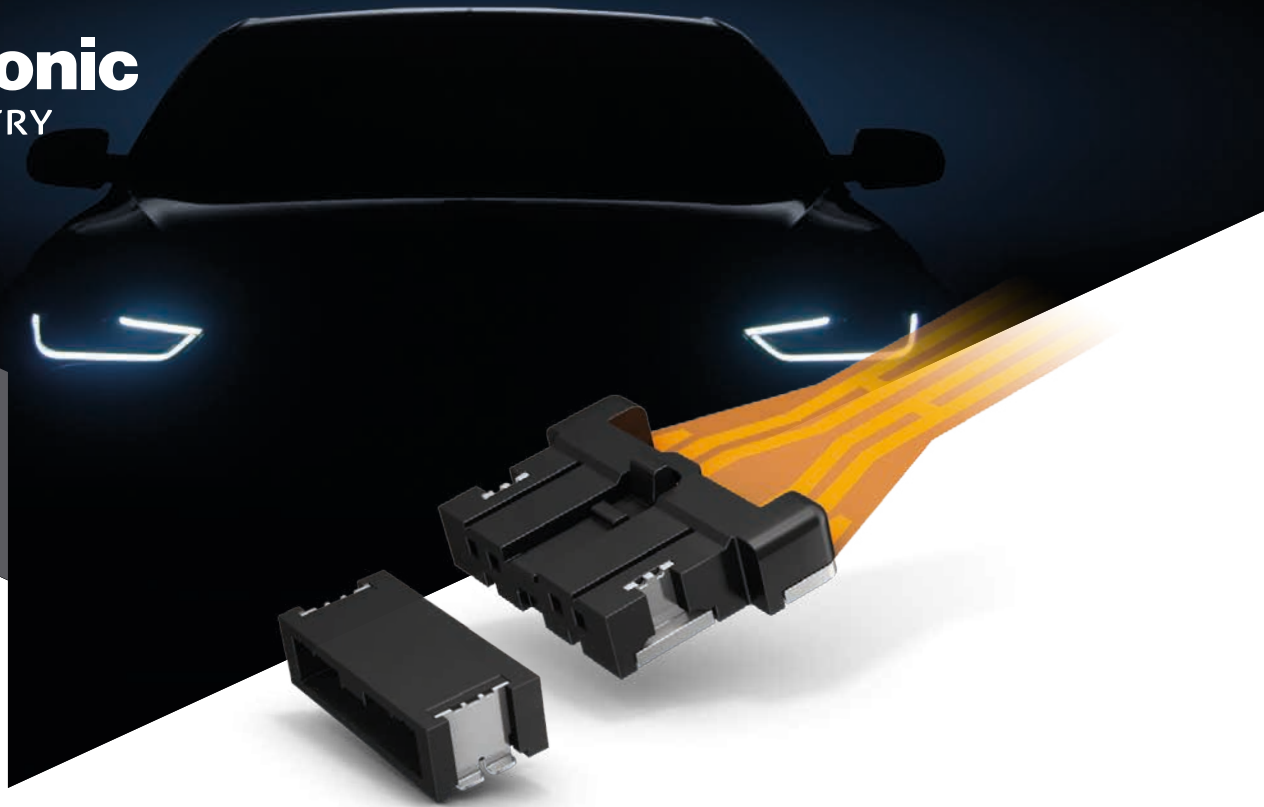
#### › Plug SMD mounting



Plug can be mounted with LED etc. simultaneously.

### Rating

Item	Specifications
Rated current	Max 2.0 A/pin contact
Rated voltage	Max. 50 V DC
Dielectric strength	1,000 V AC for 1 min
Insulation resistance	Min. 1000 MΩ
Contact resistance	Initial: Max. 20 mΩ

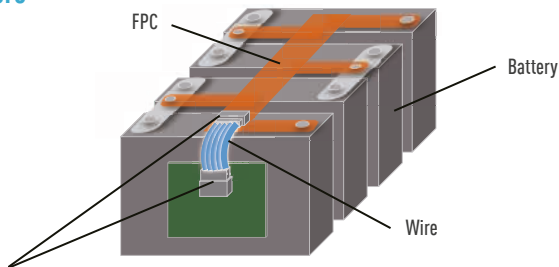


## Applications

Elimination of relay wiring harness connectors by using CF1

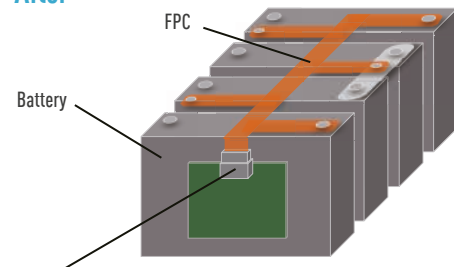
> Connection of board and FPC in Battery systems

**Before**



Board to Wire connector

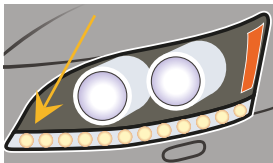
**After**



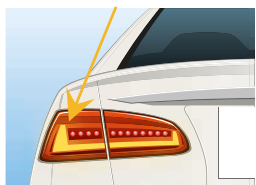
Board to FPC connector

> Connection of board and FPC in DRL/rear lamp

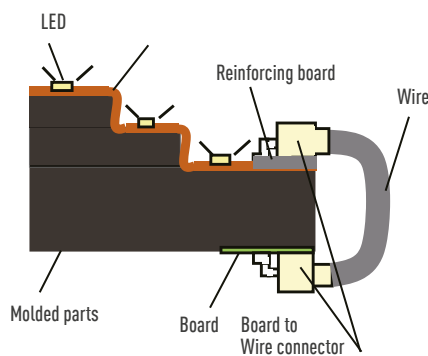
DRL



Rear lamp



**Before**



**After**

