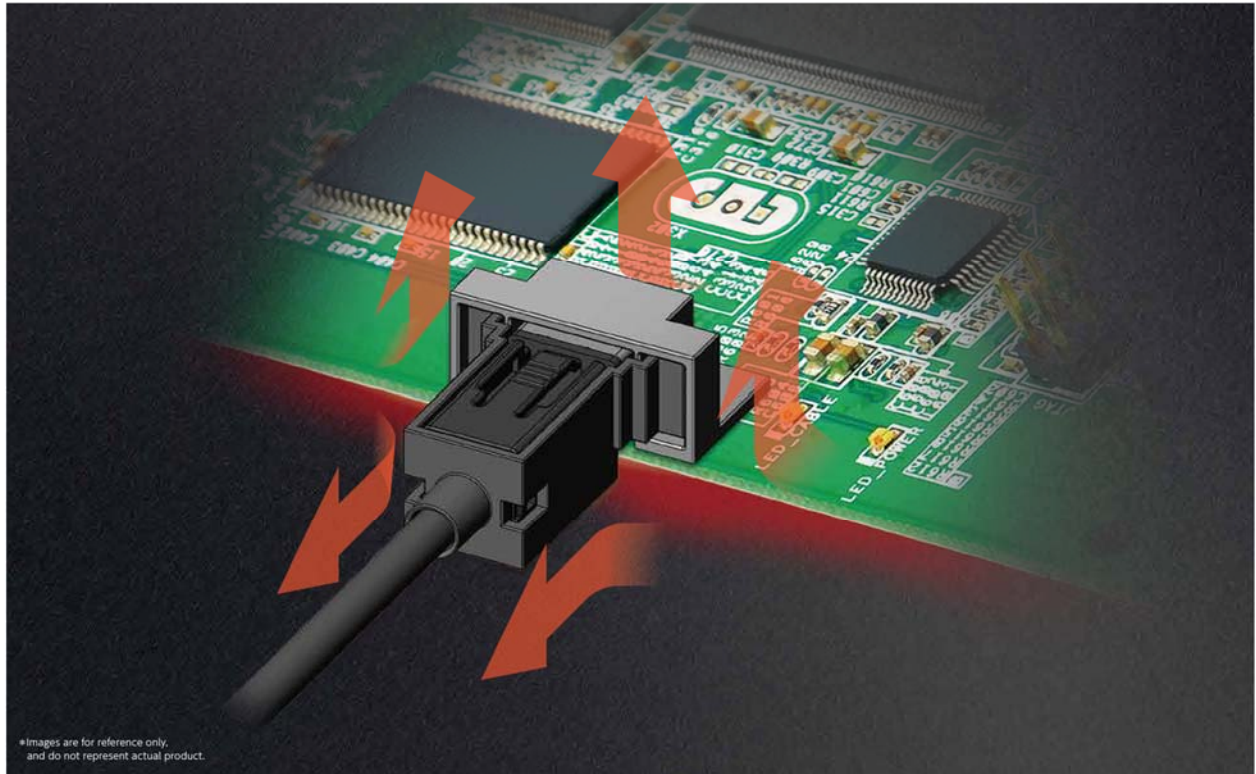


# Connector with Added Thermal Conduction

## A New Option for Heat Releasing.

Space-saving connector with thermal conduction



**Heat is Conducted Away from the Board Using Thermally Conductive Components and Cables**

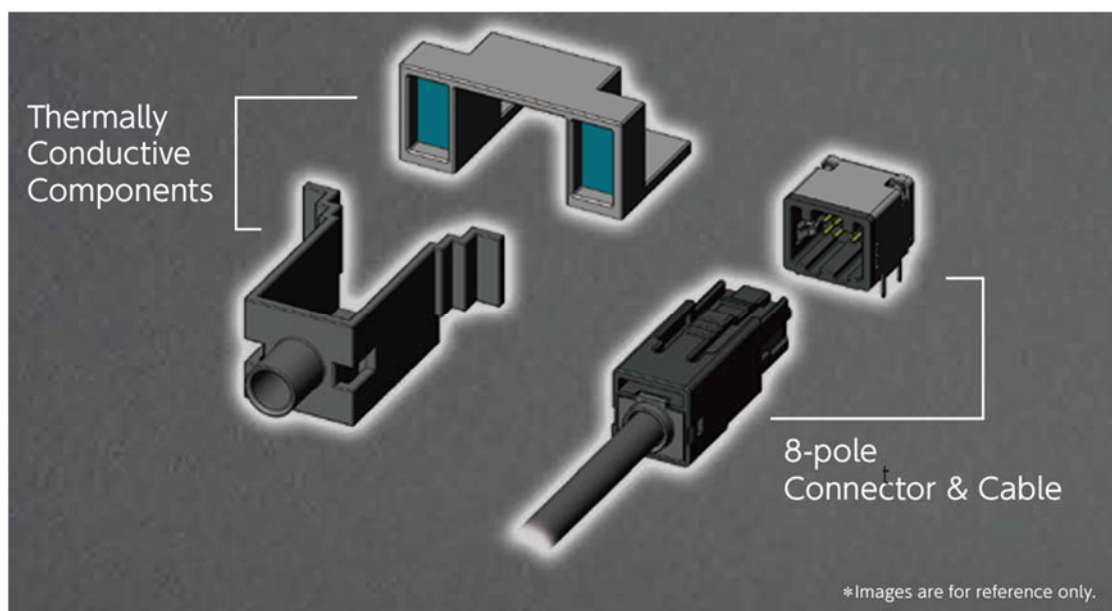
### Features

- Heat generated inside the device is brought to the outside of the enclosure
- Heat release is provided by thermally conductive components and cables
- Thermally conductive components are placed around connectors inside the device to save space
- Aluminum is ideal for the thermally conductive components, with a thermal-interface material (TIM) used for joints
- An 8-pole connector compatible with USB Type-C® Power Delivery

•Specification indicated in this Technical Report is outline only at present. Any products in this Technical Report are subject to any modification for further development and the products improvements without prior notification. •When employing the product, use of an officially authorized specification is recommended. •Please feel free to contact us with any enquiries about our products and their uses.



### Features



### Applications

- Connection between USB Type-C® Power Delivery devices that generate heat
- Connection between in-vehicle devices using power semiconductors

### Specifications

- Thermally Conductive Components

Item	Specification
Material	Aluminum alloy
Dimensions (W x D x H)	35 × 55 × 20mm
Weight	Approx. 20g
Heat Release Ratio (Radiation/Heat Generation on Board)	Approx. 10% *According to our evaluation conditions

- Connectors

Item	Specification
Number of Poles	8-pin
Maximum Ratings	20V DC, 5A
Operating Temperature Range	−30 to 80°C

\*USB Type-C® and USB-C® are registered trademarks of USB Implementers Forum.

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