



RotaConnect® Board-to-Board Product Presentation

Basics Portfolio

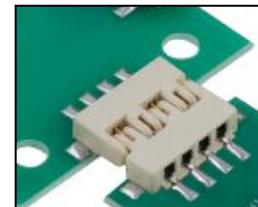
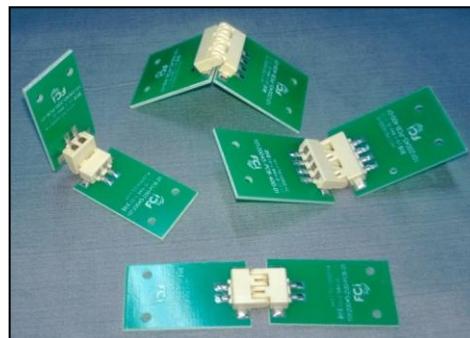
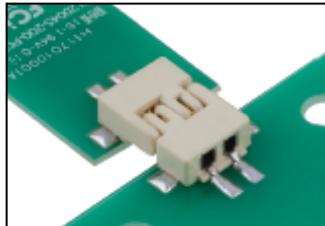
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Rotacconnect® Board-To-Board

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Value Proposition

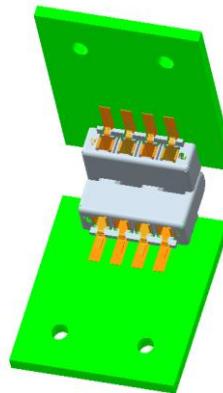
- The unique RotaConnect® Board-To-Board solution is a rotatable Board-to- Board SMT connector that can be used to support perpendicular, coplanar and angled connections, in multiple mating and un- mating directions for all needs.
- Thanks to the hermaphroditic “mates to itself” design the RotaConnect® BtB solution enables mating at any angle between +90° and -60°, the connectors can be placed anywhere on the PCB and a single part number which will comprise both male and female contacts.
- The RotaConnect® BtB solution includes 2 and 4 positions with hold-down and locating peg options with a latching feature (connector with locating pegs only have latching feature) to accept the latch from the Wire to Board RotaConnect® .
- The high temperature grade housing material is reflow solder compatible.



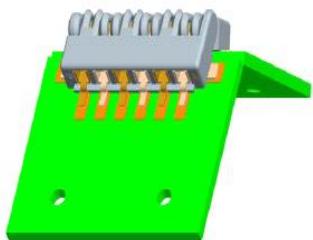
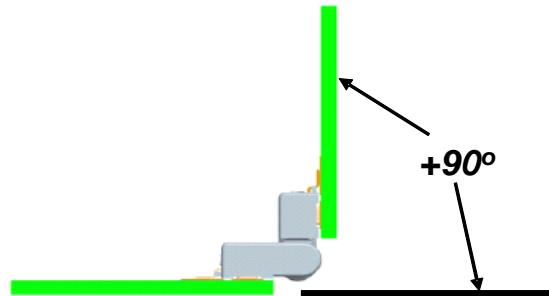
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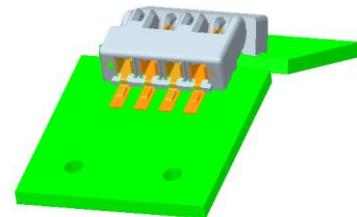
Product Overview



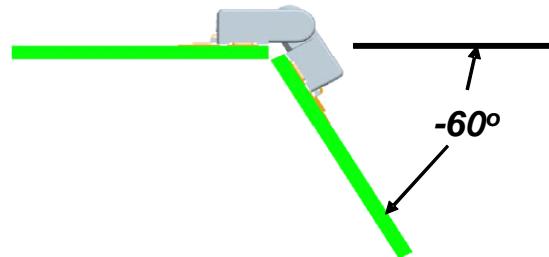
Rotate angle +90°



Rotate angle -60°
(PCB T=1.57mm)



Rotate angle -60 °
(PCB T=1.57mm)



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Product Specifications

Product Facts

- Hermaphroditic: mates to itself (1 Part number)
- Contact System: dual beam spring contact
- Positions: 2 and 4 pos currently available
- Pitch: 3.00mm
- Mating angle: all in between +90° and -60°
- RoHS compliance

Specifications

- Product Spec. : GS-12-1079

Performance Characteristics

- Durability: max 20 mating cycles
- Current Rating: up to 5A
- Operating Temperature: -40°C up to +125°C

Materials

- Plating: GXT
- Housing: High Temperature Thermoplastic (UL94V0)
- color: natural

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Feature & Benefits

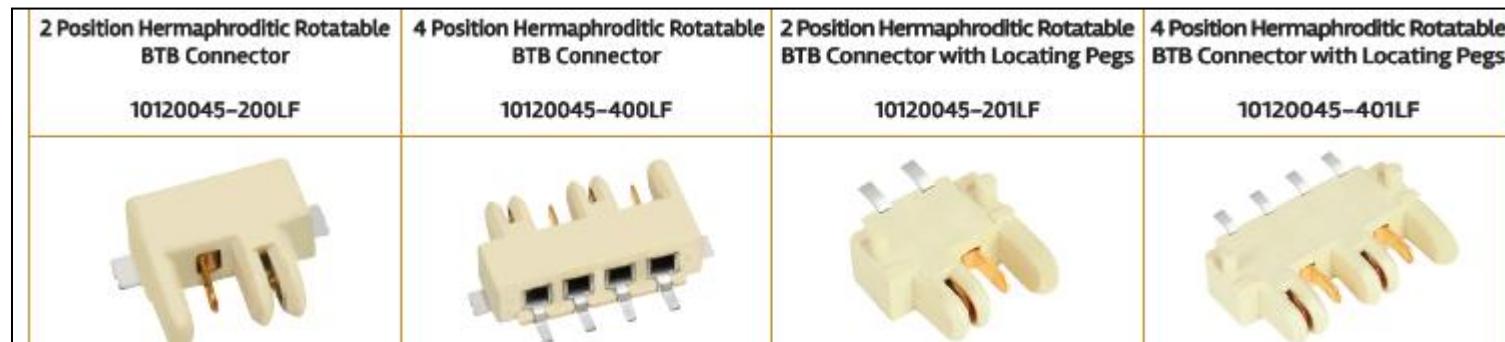
Features	Benefits
Hermaphroditic “mates to itself” design and Mates under any angle +90° and -60°	Flexible Design for all needs
Reliable dual beam contact	Connection reliability
Self-guided features	Prevent mis-mating and assure correct counterpart positioning
Hold own option	Better retention on to the PCB
Locating pegs	Easy positioning even in manual assembly condition
Passive latch	Better for housing retention
RoHS compliance	Meet environmental, health and safety requirements

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Part Numbers

Connector PN	Description	No of Contacts	Contact Type
10120045-200LF	2 Pos Hermaphroditic Rotatable Board to Board Connector	2	1 Male, 1 Female
10120045-201LF	2 Pos Hermaphroditic Rotatable Board to Board Connector with Locating Pegs	2	1 Male, 1 Female
10120045-400LF	4 Pos Hermaphroditic Rotatable Board to Board Connector	4	2 Male, 2 Female
10120045-401LF	4 Pos Hermaphroditic Rotatable Board to Board Connector with Locating Pegs	4	2 Male, 2 Female



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Applications

- Lighting (Luminaires, signages, displays, etc)
- Control Boards
- Sensors
- Rigid LED Strips
- Automotive Electronics

