

RotaConnect® Board-to-Board Product Presentation

Basics Portfolio



Agenda

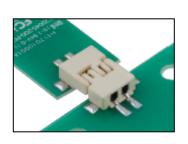


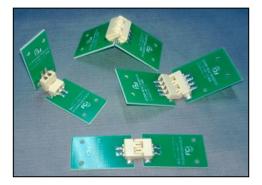
- Value Proposition
- Product Overview
- Product Specifications
- Features & Benefits
- Part Numbers
- Applications
- Marcomm Collaterals



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.

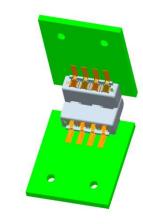




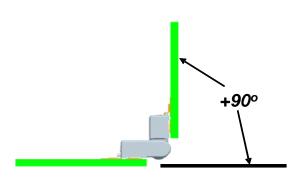


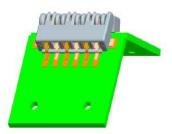
Amphenol FCi

Product Overview

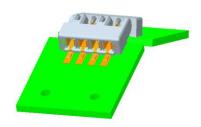


Rotate angle +90°

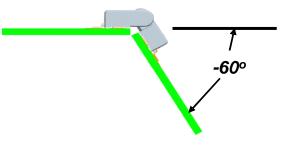




Rotate angle -60° (PCB T=1.57mm)



Rotate angle -60° (PCB T=1.57mm)



Amphenol FCi

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

Performance Characteristics

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

Specifications

• Product Spec.

: GS-12-1079

Materials

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



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	



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	1Male, 1 Female
10120045-400LF	4Pos 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	2Male, 2 Female

2 Position Hermaphroditic Rotatable	4 Position Hermaphroditic Rotatable	4 Position Hermaphroditic Rotatable
BTB Connector	BTB Connector	BTB Connector with Locating Pegs
10120045-200LF	10120045-400LF	10120045-401LF
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Amphenol FCi

Applications

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





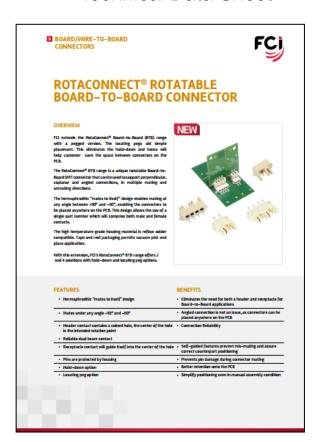




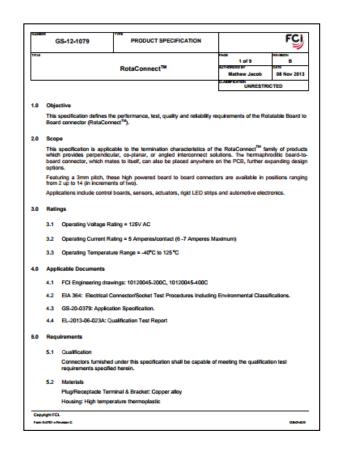


Marcomm Collaterals

- Available on FCI
 - Technical Data Sheet



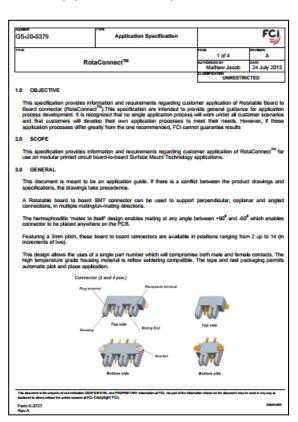
Product Specifications





Marcomm Collaterals

- Available on FCI
 - Application Specifications



■ Part Numbers & Drawings





THANK YOU

