

ROTACONNECT® ROTATABLE BOARD-TO-BOARD CONNECTOR

FLEXIBLE, RELIABLE SOLUTION TO AID RETENTION

AFCI's RotaConnect® Board-to-Board (BTB) solution with hermaphroditic "mates to itself" design enables mating at any angle between +90° and -60°. The connectors can be placed anywhere on the PCB.

- Hermaphroditic "mates to itself" design
- Mates at any angle between +90° and -60°
- Dual beam contact ensures reliable connection
- Self-guided features prevents mismatching and assures correct counterpart positioning



FEATURES

- Hermaphroditic "mates to itself" design mates at any angle between +90° and -60°
- Dual beam contact
- Self-guided feature
- Hold-down option
- Locating pegs option
- Passive latch
- RoHS compliant and lead-free

BENEFITS

- Flexible solution
- Ensures reliable connection
- Prevents mismatching and assures correct counterpart positioning
- Better retention onto the PCB
- Easy positioning even in manual assembly condition
- High housing retention
- Meets environmental, health and safety requirements



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TECHNICAL INFORMATION

MATERIAL

- Housing: High Temperature Thermoplastic UL94V-0
- Contact: Copper Alloy
- Plating: GXT®

MECHANICAL PERFORMANCE

- Durability : ≤ 20 mating cycles
- Mating Angle: between +90° and -60°

APPROVALS AND CERTIFICATIONS

- UL E66906

PACKAGING

- Tape and Reel

ELECTRICAL PERFORMANCE

- Current Rating: up to 5A
- Operating Voltage: 125V

ENVIRONMENTAL

- Operating Temperature: -40°C to +125°C

SPECIFICATIONS

- Test specifications EIA 364 and IEC test methods

TARGET MARKETS/APPLICATIONS



Control Board
Sensor, Actuator
Rigid LED Strip
Automotive Lighting
Channel Lettering
Lighting Luminaries

PART NUMBERS

Description	No. of Contacts	Termination	Contact Type	Part Numbers
2 Position Hermaphroditic Rotatable Board-To-Board Connector	2	SMT	1 Male, 1 Female	10120045-200LF
2 Position Hermaphroditic Rotatable Board-To-Board Connector with Locating Pegs	2	SMT	1 Male, 1 Female	10120045-201LF
4 Position Hermaphroditic Rotatable Board-To-Board Connector	4	SMT	2 Male, 2 Female	10120045-400LF
4 Position Hermaphroditic Rotatable Board-To-Board Connector with Locating Pegs	4	SMT	2 Male, 2 Female	10120045-401LF

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Disclaimer

Please note that the above information is subject to change without notice.