

ROTACONNECT™ ROTATABLE BOARD-TO-BOARD CONNECTOR

OVERVIEW

A unique rotatable board to board SMT connector that can be used to support perpendicular, coplanar and angled connections, in multiple mating/un-mating directions.

The hermaphroditic “mates to itself” design enables mating at any angle between +90° and -60° which enables connector to be placed anywhere on PCB. This is available in 2 and 4 positions.

This design allows the use of a single part number which will comprise both male and female contacts. The high temperature grade housing material is reflow soldering compatible. The tape and reel packaging permits vacuum pick and place application.



FEATURES & BENEFITS

- Available in 2 and 4 positions
- Connector mates to itself (hermaphroditic)
- Reliable dual beam contact
- Hold down for PCB retention
- Pins are protected by housing
- Floating and rotation possible
- Supports multiple mating and un-mating directions
- High temperature material for reflow type processes
- RoHS compliant

TARGET MARKETS/APPLICATIONS

- Industrial
 - Control boards
 - Sensors
 - Actuators
 - Rigid LED strips
 - Automotive lighting
 - Channel lettering
 - Incandescent lighting strip

▶ ROTACONNECT™ ROTATABLE BOARD-TO-BOARD CONNECTOR

TECHNICAL INFORMATION

MATERIALS

- Housing: High temperature thermoplastic UL94V-0
- Operating Temp: -40°C to +125°C
- Contact: Copper alloy
- Plating: GXT™ or tin over nickel

ELECTRICAL PERFORMANCE

- Current rating: up to 5A
- Operating voltage: 125V

ENVIRONMENTAL

- Operating temp: -40°C to +125°C

PART NUMBERS

Description	No. of Contacts	Contact Type	Termination	Part References
2 position hermaphroditic rotatable board-to-board connector	2	1 male, 1 female	SMT	10120045-200LF
4 position hermaphroditic rotatable board-to-board connector	4	2 male, 2 female	SMT	10120045-400LF


MECHANICAL PERFORMANCE

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

SPECIFICATIONS

- Test specifications will be as per EIA 364 and IEC test methods

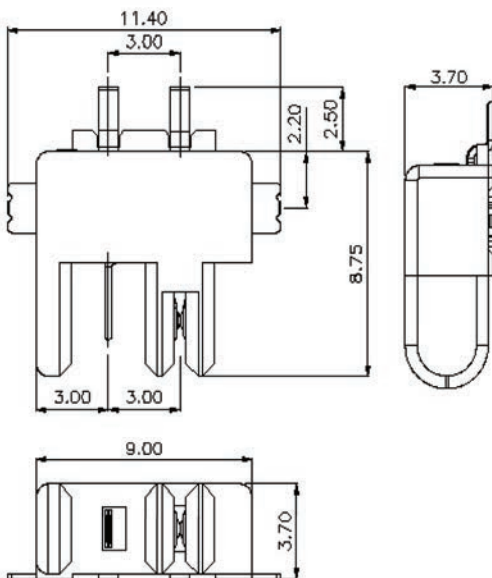
APPROVALS AND CERTIFICATIONS

-  File No. : E66906

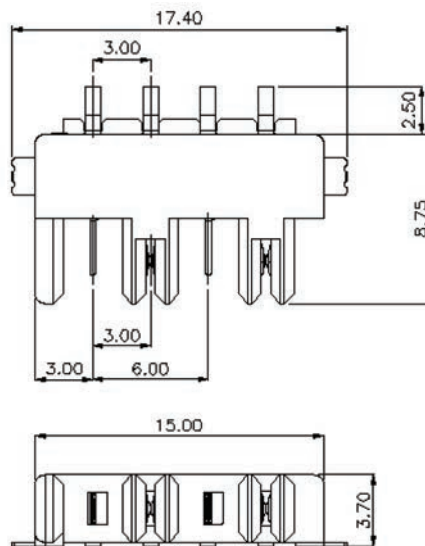
PACKAGING

- Tape and reel

10120045-200LF



10120045-400LF



Note: It is recommended to review drawings/specifications or samples before placing orders to ensure proper fit for application
For complete product drawings, please visit www.fci.com

BWBRBT0713EA4