

Universal Contacts for Right Angle Applications

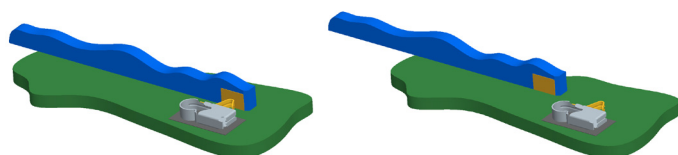
The challenge

Dry circuit contacts are most commonly used for grounding, antenna pick up, bringing solderless components to a main board, and shielding in a vertical fashion between two parallel printed circuit boards (PCB).

Although parallel PCBs is common, applications like LED light bulb, remote controllers and other industrial applications may require a perpendicularly/right angle configuration. This right angle configuration causes traditional dry circuit contacts to become inapplicable.

The solution

Understanding the demand for an interconnect that can support the right angle design, ITT Cannon has developed a new Universal Contact suitable for right angle mating. This design incorporates a sliding movement allowing for the two PCB to be perfectly mated together producing a low contact resistance. The Universal Contact provides over 1.4N of force when fully deflected, ensuring the ultimate and reliable interconnect link between the two boards.



90 degree, Universal Contact

The CANNON Difference:

- PCB/Components mate in 90 degree
- Reliable functionality
- Low cost, robust design
- Plating options include gold or tin over nickel
- 0.8N of pre-load force minimum
- Freedom of board positioning
- Environmentally safe
- Low contact resistance

Applications

- Healthcare
- Smart Phone
- LED lighting
- Tablet Computer
- Bar Code Scanners
- Vehicle Keyfob
- POS devices
- Smart Wearable Devices
- Set Top Boxes
- GPS Units
- Security Devices
- Military Radio

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