

## Universal Contacts for Right Angle Applications

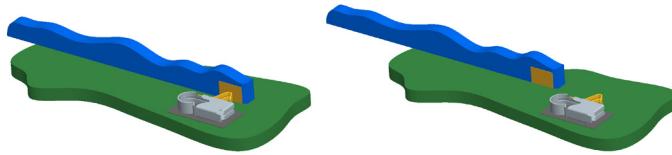
### The challenge

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

Connect with your ITT Interconnect Solutions representative today or visit us at [www.ittcannnon.com](http://www.ittcannnon.com)

#### North America

56 Technology Drive  
Irvine, CA 92618  
Phone: 1.800.854.3028

#### Europe

Italy  
Corso Europa 41/43  
I - 20020 Lainate (MI) Italy  
Phone: +39.02938721

Germany  
Cannonstrasse 1  
D – 71384 Weinstadt, Germany  
Phone: +49.7151.699.0

#### Asia

Tuopandun Industrial Area, Jinda Cheng,  
Xiner Village, Shajing Town, Boan District,  
Shenzhen City, Guangdong Province, China 518215  
Phone: +86.755.2726.7238

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