PEDOT* Clear Conductive Sensors

PEDOT Clear Conductive Sensors offer flexibility and translucent circuits, enabling keypad backlighting on curved surfaces for capacitive user interface panels

**Features and Benefits**

Effective on a wide range of substrates, including polyester (PET), polycarbonate and glass

Appropriate for a variety of applications requiring durable, translucent circuits

**Flexible translucent conductive sensor**

Can be implemented on three-dimensional surfaces allowing for more elaborate designs

**Applied with pressure sensitive adhesive (PSA)**

Eliminates the need to use the more expensive optically clear adhesive (OCA) to apply. Standard PSA is an effective application method for PEDOT

**Translucent circuits**

Allows lighting to pass through them, resulting in a capacitive key backlit through the circuit

**Thin, clear conductive sensor**

Supports backlighting techniques that create space savings when compared to other techniques

**Features and Benefits**

**Capabilities**

- Capable of both touch-sensing and proximity-sensing actuation

- Enables both capacitive touch, sliders, wheels for actuation to meet a broad range of design needs.

- Flexible translucent conductive sensor

- Can be implemented on three-dimensional surfaces allowing for more elaborate designs

- Allows low-temperature processing and simplified design

- Lowers overall production costs

**Applications**

**Home Appliance (Controls)**

- Refrigeration
- Cooking
- Laundry
- Dishwashers
- HVAC

**Consumer and Connected Home**

- Smart speaker
- Thermostat
- Streaming media devices
- Home automation equipment

**Automotive (Controls)**

- Center stack
- On door controls
- Map light
- Seat controls

**Suitable for PEDOT**

*Poly (3, 4-ethylenedioxythiophene)
### Ordering Information

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[www.molex.com/link/pedot.html](http://www.molex.com/link/pedot.html)