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

**Features and Advantages**

- **Effective on a wide range of substrates**, including polyester (PET), polycarbonate and glass.
- **Appropriate for a variety of applications requiring durable, translucent circuits.**
- **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 transparent conductive sensor.** Can be implemented on curved surfaces allowing for more elaborate designs.
- **Thin, clear conductive sensor.** Supports backlighting techniques that create space savings when compared to other techniques.
- **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.
- **Transparent circuits.** Allows lighting to pass through them, resulting in a capacitive key backlight through the circuit.
- **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

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

<table>
<thead>
<tr>
<th>Custom Product</th>
<th>Description</th>
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<tbody>
<tr>
<td>Contact Molex</td>
<td>PEDOT Clear Conductive Sensors</td>
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*Poly (3, 4-ethylenedioxythiophene)*)