

PEDOT* Clear Conductive Sensors



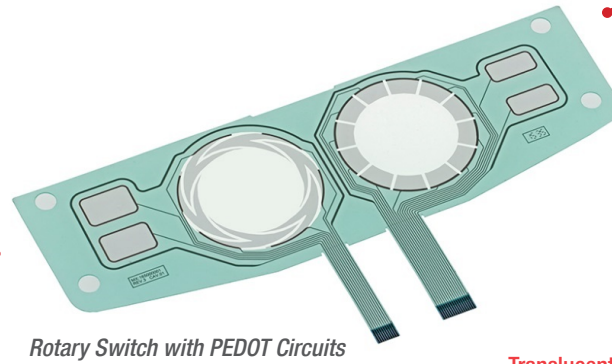
PEDOT Clear Conductive Sensors offer flexibility and translucent circuits, enabling keypad backlighting on curved surfaces for capacitive user interface panels

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

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

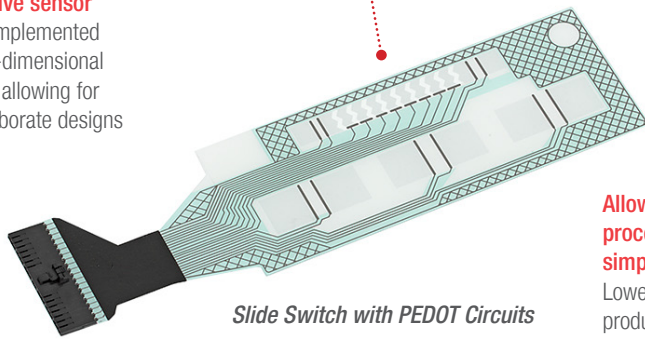


Rotary Switch with PEDOT Circuits

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

Translucent circuits
Allows lighting to pass through them, resulting in a capacitive key backlight through the circuit



Slide Switch with PEDOT Circuits

Allows low-temperature processing and simplified design
Lowers overall production costs



Applications

Home Appliance (Controls)

- Refrigeration
- Cooking
- Laundry
- Dishwashers
- HVAC



Thermostat



Home Appliance Controls



Automotive Controls

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)

PEDOT* Clear Conductive Sensors



Ordering Information

Custom Product	Description
Contact Molex	PEDOT Clear Conductive Sensors

*Poly (3, 4-ethylenedioxythiophene)

www.molex.com/link/pedot.html