The use of light-emitting diodes (LED) displays continues to expand into an increasing range of applications, including automotive, appliances, datacom, and consumer electronics. Molex provides engineered LED solutions and a global manufacturing footprint to support customers worldwide.

LED displays can be a combination of components including LEDs, seven segment LED displays, integrated circuit drivers, resistors, and other electronics to enhance and/or expand the performance and functionality of a product. Indicator displays may utilize a variety of technologies ranging from screen-printed polyester circuits with silver conductors, to polyimide and rigid PCB substrates. Flexible circuitry can provide cost-effective, durable, lightweight, and low-profile options. For large area and multiple icon illumination, Molex can integrate custom light guide films to provide high-quality uniform lighting. Graphic overlays or a custom Molex membrane switch can provide a complete interface solution.

**FEATURES AND BENEFITS**

- Large area uniform illumination using light guides
- Low profile alternative to board mounted indicators, lightpipes and lamps
- Easy to provide EMI, RFI, and ESD shielding
- Eliminates LED misregistration often found in light pipes, or board-mounted LED arrays
- Easy to apply; eliminates fasteners and mounting components
- Improves design flexibility for user interfaces
- Improved viewing angle with embossed windows
- Eliminates lightpipes and main board LEDs

**APPLICATIONS**

- Appliance Controls
- Medical Equipment
- Point Of Sale Terminals
- Industrial Controls
- Servers
- Routers
- Consumer Electronics

Light is emitted from LEDs and directed towards a lens that is capable of bending the light 90 degrees, in a uniform pattern, towards translucent icons on the graphic.