Molex leverages its combined Light-Emitting Diode (LED) and Printed Circuit Assembly design and manufacturing expertise to provide dependable and efficient custom-lighting solutions seamlessly for computing devices across all industries.

Molex can solve difficult LED design, assembly and manufacturing issues for customers and has a proven record of exceeding customer expectations for electrical, mechanical and thermal requirements. Molex has specialized in designing and manufacturing complex LED and printed circuit assemblies for over 20 years. This expertise clearly ranks Molex as a leader in providing LED assemblies for the transportation market and operation-indicator panels for computing devices in all industries.

**FEATURES AND BENEFITS**

- BIN control system regulates consistent lot-by-lot LED luminosity output ranges
- In-house functional testing performed on all assemblies for intensity, current and color to ensure quality and consistency across the LED module prior to shipping to the customer
- Connector and LED design integration provides a complete solution leveraging Molex products and technology, including the development of custom connectors and hardware, to support total interconnect needs
- Complete product design available from experienced Molex engineers provides an unparalleled design experience for electrical, mechanical, thermal, optical, overmolding and reliability, to deliver a fully qualified LED package
- Over 20 years of experience in LED assemblies provides high-quality, efficient and proven processes provided from product development through volume manufacturing
- Experience and a strong supplier base ensure Molex can provide short design cycles and quickly move into volume production
  - Automotive TS16949 and ISO certified facility

**SPECIFICATIONS**

**LED Printed Circuit Assemblies Support:**

- Rigid and cabled solutions for high-current, LED applications where custom polyester LED assemblies support backlighting applications with lower-power consumption
- Human-interface devices such as key pads versus LED printed circuit assemblies that focus on lighting applications

**GENERAL**

Manufactured in TS16949 facilities
APPLICATIONS

- Automotive applications
  - Stop lights
  - Center High-Mount Stop Light (CHMSL)
  - Mirrors
  - Indicators
  - Internal vehicle illumination
  - Head lamps
  - Side marker
- Computers and telecom
  - Indicator panels
- Commercial
  - Office lighting
  - Advertisement
  - Street lighting
  - Displays
  - Vending machines
  - Gambling
- Medical
  - Surgical lighting
  - Indicator panels
- Industrial
  - Traffic lights
  - Construction signals
  - Street lighting
  - Indicator panels
- Military
  - Indicator panels
  - Transportation lighting
- Non-Automotive
  - Marine
  - Trucks
  - Agriculture
  - Motorcycles
  - Buses