

ELD Connectors Suit Modern Avionics



Since the introduction of the “glass cockpit”, commercial and military aircraft manufacturers have experienced significant demand for next-generation technology. In place of mechanical, analog and digital gauges, pilots now enjoy a fully integrated navigation, communications and aircraft systems suite that presents information on easy-to-read liquid crystal (LCD) and electroluminescent (ELD) displays.

One element that is critical to most ELD-style instruments is the electronic packaging component that creates the connection between the printed circuit board and the electroluminescent display. Fujipoly’s low temperature Zebra® LT 200 Elastomeric Connector is one of the industry's most cost-effective and reliable options for these types of applications.

The layered carbon-filled and non-conductive silicone construction incorporates 240 conductors per inch to accommodate ELD displays with contact spacing as close as .015” (.38mm). The physical characteristics of the silicone material also make it ideal for extremely cold (-65°C) and high-vibration aerospace environments. The Zebra® LT 200 connector provides a current carrying capacity of 50 mA per .040” x .040” pad and can be ordered in custom lengths up to 9 inches.

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