

New Interconnection Technology Helps Solid-State Lighting Shine Brighter

Lower Energy Costs, Higher Reliability, and Performance Drive LED Lighting

Solid-state lighting saves money through lower power consumption and higher reliability. Working closely with leaders in the industry, Tyco Electronics has been creating

innovative interconnection solutions to make building, installing, and maintaining SSL easier and more cost effective.

Starboard Pixel Holder Simplifies Connectivity and Thermal Management of LEDs



The Starboard holder is a modular assembly that makes it fast and easy to integrate commonly available hexagonal “star” LED holders into fixtures. The holder simplifies application by addressing electrical, thermal, and mechanical needs in a single solution—without solder and without the complexity of engineering separate thermal, electrical, and mechanical subsystems. Consisting of a heat sink, locking ring, and contact carrier, the holder is available with a two-wire connection for single-color LEDs and four-wire connection for RGB LEDs. The cast aluminum heat sink fits standard GU10/MR16 light fixtures. Options include a diffusion lens and an integrated constant current LED driver.

Poke-In Connector Makes Fast Work of LED Strings



The SMT Poke-in connector is a low-profile, one- or two-position connector ideally suited for use in PCB-based LED strings, lighting controls, and other applications that can benefit from an easy poke-in wire termination to the PCB. Optimized to terminate 18 AWG wire, the connectors offer quick and reliable wire termination as a low-labor alternative to hand-soldering wires, particularly when used with single-sided aluminum clad circuit boards. The connectors are available in surface-mount or through-hole configurations.

Surface-Mount Hermaphroditic Blade and Receptacle Design Promotes Fast Assembly



A new in-line Hermaphroditic Blade and Receptacle connector from Tyco Electronics makes connecting of conventional glass-epoxy as well aluminum-clad printed circuit boards for LED lighting applications faster and easier. The low-profile surface-mount connector, available in two, four, and six positions, uses a hermaphroditic blade and receptacle design to allow LED printed circuit board strips to be joined with more flexibility than with traditional post-and-receptacle headers. Connections can be made by sliding the two boards together horizontally, vertically, or at right angles. The unique capability to slide the two boards together vertically makes replacement of a board in mid-strip easier by lifting up the strip to be replaced and lowering in the new one.

Low-Profile Micro MATE-N-LOK Connectors Shrink Height, Not Performance



Designed for space-constrained LED lighting applications, low-profile Micro MATE-N-LOK soft-shell connectors offer a slim vertical height of less than 4.7 mm—about 45% lower than existing members of the family. Available in 2, 3, and 4 positions on a 3-mm centerline, the connectors include right-angle surface-mount headers and mating cable connectors, with a space-saving side latch. The line uses standard Micro MATE-N-LOK contacts, with 24-20 and 30-26 AWG wire ranges.

For more information, please visit
<http://lighting.arrow.com> or call 1-888-9LIGHT1.
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