TE Connectivity Designs Solderless LED Socket for Bridgelux RS LEDs

Tyco Electronics

HARRISBURG, Pa. -- May 16, 2011 -- TE Connectivity (TE) announces a new addition to its line of solderless LED sockets: the RoHS-compliant Type BR socket for quick termination of Bridgelux RS LEDs. This new offering eliminates the need to design, manufacture and integrate a complex metal clad printed circuit board assembly into a lighting fixture. Additionally, it provides lighting designers with a broad range of LED mounting options as it can be easily positioned and assembled anywhere in a fixture using simple hand tools.

This one-piece connector assembly features TE's poke-in wire termination method for 18 through 22 AWG solid wires, 18 through 20 AWG pre-bonded wires and 18 AWG stranded wires. Included standoff posts properly position the solderless LED socket assembly onto the heat sink and only four M3 or #4 screws are required to secure and complete the assembly. The LED is retained in the socket housing with a slight press fit prior to mounting the assembly into the light fixture.

For enhanced integration capabilities, the socket design accepts the commercially-available LEDIL Britney series of optics. Alternatively, ample space is available for use with other custom optical solutions.

Additional product features include:

- a cleared area designated for reflector mounting that accepts custom or commercially-available optics,
- integral wire strain reliefs to prevent inadvertent wire pull out after assembly, and
- UV-resistant housing material for outdoor use to prevent housing discoloration.

The socket is UL-recognized to UL 1977 for use in UL 8750 applications.

For more product information, contact the TE Product Information Center at 800-522-6752, or visit www.te.com/lighting [1].

SOURCE [2]

Source URL (retrieved on *03/12/2014 - 7:42am*):
http://www.ecnmag.com/news/2011/05/te-connectivity-designs-solderless-led-socket-bridgelux-rs-leds

Links:
[1] http://www.te.com/lighting
[2] http://www.tycoelectronics.com/AboutUs/news/prodnews.asp?ID=1884