



“Star Board” LED Pixel Holder

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“Star Board” LED Pixel Holder

Product Description

- **Description**

- The “star board” LED pixel holder is an integrated interconnect and thermal solution for common hexagonal “star board” high power LEDs



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Product Applications

- **Applications**

- Indoor and outdoor lighting fixtures

- **Industries / Markets**

- Architectural, residential and office lighting

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Features and Benefits

- **Features**

- Provides direct solderless electrical and thermal connection to the hexagonal “star board” LED
- Design allows for versatility in mounting monochromatic and RGB “Star” LEDs
- Accepts 3 watts LED star board using TE heat sink tooled to fit in standard GU10/MR1 light fixtures
- Design fits into the same envelope as an MR16 with its socket
- Package includes a heat sink, locking ring and contact carrier
- Accommodates star board thicknesses in the range of 1.0mm to 2.5mm
- Optional TE diffuser lens available
- Optional TE integrated LED driver available

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Product Advantages

- Advantages
 - Plug and play capability which easily integrates into LED light fixtures
 - Standard TE 110 FASTON ultra-fast connection for easy class 2 power wiring
 - LED pixel holder allows for replacement of the star board after installation

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Performance Data

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 - Materials:
 - Housing: PBT
 - Contacts: Tin over nickel plated copper alloy
 - Heat Sink: Cast aluminum
 - Environmental Specifications:
 - Operating temperature: -40 degree C to 120 degree C
 - Electrical Specifications:
 - Operating current: 350mA to 1500mA
 - Operating voltage: Up to 50VDC
 - LED wattage rating: 1 to 3 watts without forced air cooling. Over 3 watts with forced air cooling or additional heat sink provisions

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Performance Data

- Standards & Specifications;
 - UL 8750
 - Star Board LED Pixel Holder Design Objectives: 108-2350
 - Star Board LED Pixel Holder Application Specification: 114-13227

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