

Application Note

INTELLIGENT BUILDINGS

SCALABLE LED HOLDER USE FOR LED PANEL INTERCONNECTIONS

FEATURES:

- One piece solderless termination to a solder pad on the PCB
- Separable interface
- Designed for 250VAC / 3A
- Single #4 or M3 screw hold-down
- Anti-rotation post assures positive positioning

APPLICATIONS:

- Wallpack Lighting
- Street & Pathway lighting
- Area Lighting
- High/Low Bay Lighting
- Troffers

CONSIDERATIONS:

- Requires 0.062" thick PCB
- Terminates to 18-22AWG solid, 18-20AWG fused, and 18AWG stranded wire

DOCUMENTS:

Application specification:

114-32043

Product Specification:

108-133005

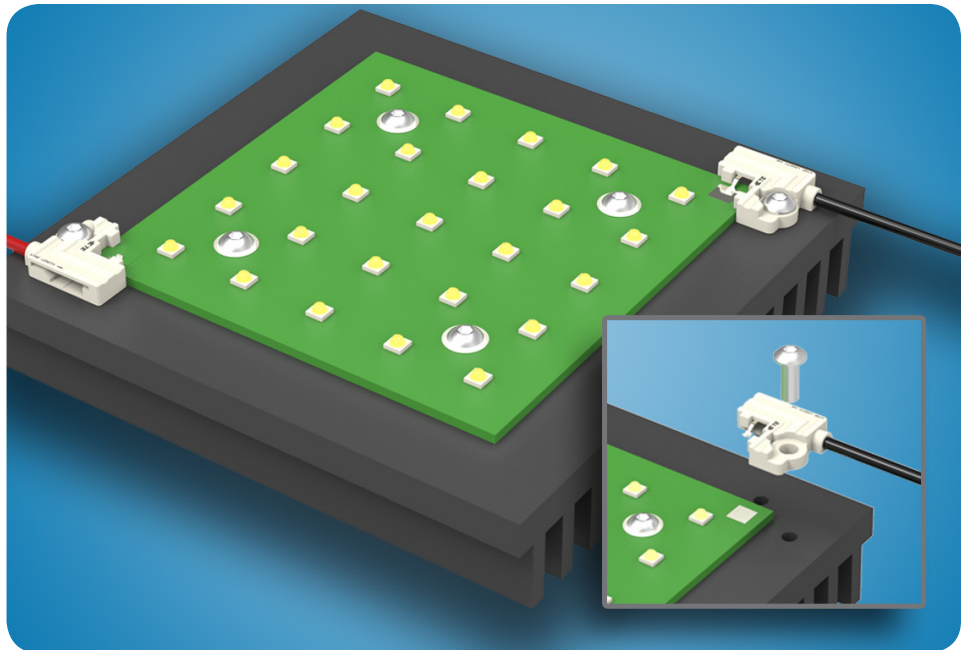
Customer Drawing:

2154857

CONTACTS

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Designed for use with commercially available chip-on-board LED devices, the Scalable LED Holder is shown above in an alternate use as the primary power connection into a planar array of LEDs mounted on a conventional FR4 or metal clad board. The Scalable LED Holder utilizes board contact pads referenced to the corners of the array so it can be used with a virtually limitless range of board sizes. Board assembly is simplified by the elimination of two piece separable connections or hand soldered terminations. With each socket clamping the corner and ensuring a positive electrical and mechanical connection to the board, wire termination is as simple as stripping and poking the wire into the connector.

For detailed board layout information on the use of the Scalable Holder in this application or use in its original purpose of providing a solderless connection to a wide range of commercially available chip-on-board LEDs, consult the TE customer drawing for part number 2154857.