LUMAWISE SCALABLE LED HOLDERS

SOLDERLESS CONNECTIONS FOR LED ARRAYS

TE Connectivity's Scalable LED Holders provide a flexible and adaptable connection platform solution for a broad range of commercially available COB LEDs. Designed with the future in mind and utilizing a scalable architecture, they enable fast adoption of todays and tomorrows leading LED Arrays.

APPLICATIONS

- Spotlights
- Track Lights
- Recessed Downlights
- High Bay Lights
- Retrofit Lights
- Wall Sconces

KEY BENEFITS

- Solderless electrical connection to LED
- Integrated poke-in wire termination
- Functions with ceramic, metalclad or FR substrate devices
- Alignment features simplify installation
- High reflectivity polymeric housing materials
- Wide operating temperature range

SPECIFICATIONS

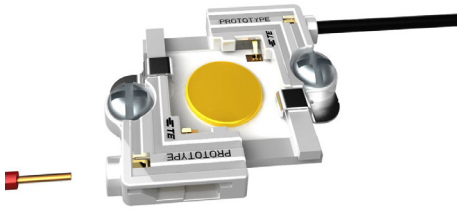
- Product Specification: 108-133005
- Application Specification: 114-32043
- UL Standards: 1977
- CSA: C22.2 NO.182.3.

TECHNICAL DETAILS

- Voltage: 250VDC / 250VAC
- Current : 3 A
- Wire range: 18AWG – 22AWG
- Contacts: Copper Alloy
- Housing: Glass Filled (GF) PBT
- Platings: Gold & Tin versions
- Flammability 94V0
- RoHS Compliant materials
- Operating Temp.: -40°C to +105°C

SCALABLE LED HOLDER SOLUTIONS

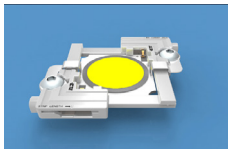
TE Connectivity's Scalable LED Holders provide an affordable, easily installed alternative to hand-soldering wires to chip-on-board (COB) LEDs. Wire termination to our Scalable LED Holder is as simple as stripping the wire and poking it into the connector. Compact, low profile and offered in a wide variety of configurations to work with most major manufacturer's COBs, the Scalable LED Holder provides a flexible connector platform that is easily integrated into a broad range of lighting fixtures.



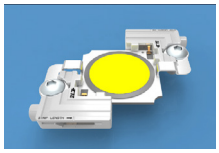
ONE OR TWO PIECE OPTIONS

The Scalable LED Holder is available in two application configurations – a two piece termination and unitized one piece design. The two piece version utilizes the same part number to connect to opposing contact pads typical to COBs. A single part number is usable across a wide range of commercially available LEDs and minimizes part numbers that need to be stocked – perfect for prototyping and preproduction. The one piece option provides a factory unitized solution sized specifically for a manufacturer's LED. With the one piece option, a single holder is all that needs to be handled on the production floor making it ideal for higher volume production

ONE-PIECE

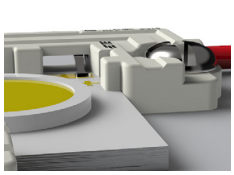


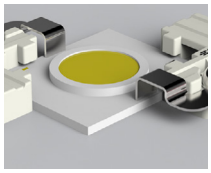
TWO-PIECE



CERAMIC, MCPCB AND FR SUBSTRATE READY

Inherent in the design of the Scalable LED Holder is the ability to accommodate either 1 mm thick ceramic or thicker alternate substrate materials such as metal clad or FR. The housing provides the necessary normal force for thicker substrates yet is designed for clearance when used with the thinner ceramic devices. Use of the optional thermal spring is recommended for use with ceramic devices to provide a more controlled norminal force.





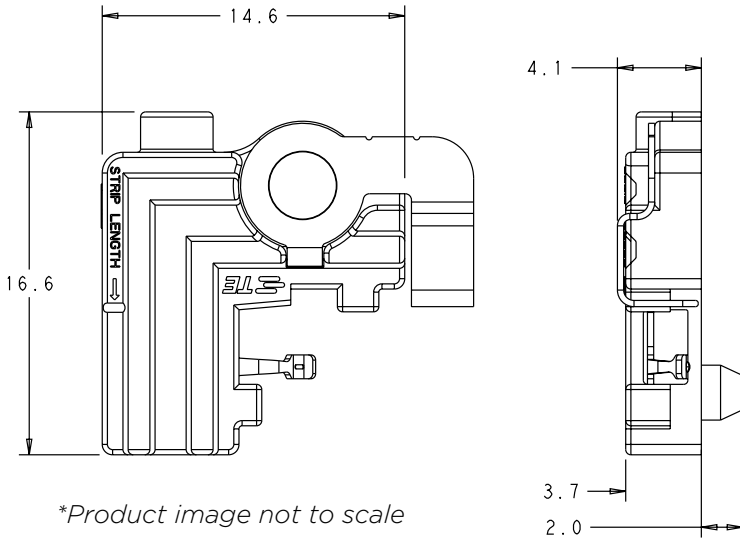
COMPATIBLE WITH MULTIPLE PAD LOCATIONS

Since no two COBs are identical, the Scalable LED Holders are offered with minor contact location variations to accommodate three different pad positions. When combined with either gold or tin plating options these three contact positions allow the holder to accommodate most current COB devices on the market. Download our application specifications for further technical details

SCALABLE LED HOLDERS SELECTION MATRIX

LED Manufacturer	LED Package	1 Piece Solution TE Part Number	2 Piece Solution TE Part Number
BRIDGELUX	ES	3-2154874-2	1-2154857-2
	LS		1-2154857-3
CITIZEN	CLLO20/022	6-2154874-1	2-2154857-1
	CLLO30/032	6-2154874-2	2-2154857-1
	CLLO40/042	6-2154874-3	2-2154857-2
	CLLO50/052	6-2154874-4	2-2154857-2
	L330		2-2154857-3
	L340		2-2154857-3
CREE	CXA 2011	5-2154874-1	1-2154857-3
	CXA 13xx		2-2154857-2
	CXA 15xx	5-2154874-2	2-2154857-2
	CXA 18xx		2-2154857-2
	CXA 25xx	5-2154874-3	2-2154857-2
	CXA 30xx		2-2154857-2
EDISON OPTO	2PHM09x	6-2154874-1	2-2154857-1
	2PHM30x	6-2154874-2	2-2154857-1
LG INNOTEK	LEMWM18580LG10A0		2-2154857-2
	LEMWM18680LG10A0		2-2154857-2
	LEMWM18780LG10A0		2-2154857-2
NICHIA	COB J360		2-2154857-1
OSRAM OPTO	SOLERIQ E30 GWKAJ		3-2154857-3
PHILIPS LUMILEDS	LUXEON COB 1203		2-2154857-2
SEOUL SEMI	SBWW1F1A		2-2154857-1
	SBWW2F1A		2-2154857-2
SHARP	Petit Zenigata		2-2154857-1
	Mini Zenigata		2-2154857-1

PRODUCT DIMENSIONS



*Product image not to scale

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