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LED Array Holder for Nichia COB-L110 and COB-L110-H3 Arrays

180580 LED Array Holder for Nichia COB-L110 and COB-L110-H3 Arrays

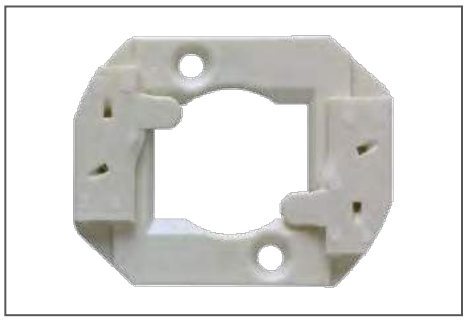
Ideal for OEM light-fixture manufacturers, Molex LED Array Holders feature superior electrical performance in a low profile, one-piece design and simplify the installation process for next-generation Nichia COB-L arrays by eliminating hand soldering

LED technology has been proven to reduce the amount of energy consumed and is becoming a more reliable, efficient and user-friendly way for accommodating general illumination requirements. Using unmatched interconnect technology, Molex provides a solderless solution to mounting LED arrays into OEM fixtures.

LED array holders simplify the LED installation process by eliminating the need for hand or SMT soldering and expensive SMT equipment. The holders allow customers to install LED arrays quickly into fixtures, enable field replacements and facilitate upgrades to current applications.

LED Array Holder for Nichia COB-L110 and L110-H3 Arrays (180580-0004)

LED Array Holder for Nichia COB-L110 and L110-H3 Arrays (180580-0005)



LED Array Holder for Nichia COB-L110 and L110-H3 Arrays (180580-0001)

Features and Benefits

Inspired by Zhaga Book 3 standards (round version only)	Promotes standardization with existing LED eco-system; allows manufacturers to upgrade without re-designing their products
Three-finger attachment for LEDiL Angela/Angelina reflectors (round version)	Provides secure attachment, easy alignment and locking features
Concealed wire-trap design	Protects electrical contacts and provides additional voltage isolation when incorporating metal reflectors
LED Chip-on-Board (CoB) pre-hole feature	Minimizes installation time by allowing LED to be preloaded prior to final assembly
4.10mm low-profile design	Provides design flexibility for many applications
Compression contacts deliver power to array	Ensures stable connection in high-ambient temperatures. Simplifies the LED installation process by eliminating hand soldering. Reduces installation time
Double-ended wire-trap terminal to attach power source (rectangular version)	Allows for wiring serial or parallel LED sequences, ensuring ease of array assembly
Screw-mount attachment method for securing array to heat sink	Provides voltage isolation between LED and heat sink with external mounting holes. Standardized screw hole centers (round version)
Releasable wire trap for rework or replacement	Allows for field serviceability
Highly reflective white PBT housing	Supports overall light output

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Specifications

Reference Information
Packaging: Tray
UL File No:
UL496 OLFB2 &
UL1977 - 180580-0001
UL Rating Pending:
180580-0004 & 180580-0005
CSA File No.: Pending
Designed In: Millimeters
RoHS: Yes
REACH SVHC: Contains SVHC: No

Electrical
Voltage (max.): 600V DC
Current (max.): 2.5A continuous; 3.5A
Contact Resistance (max.):
20 milliohms
Dielectric Withstanding Voltage:
300V DC
Insulation Resistance(min.):
5000 Megohms

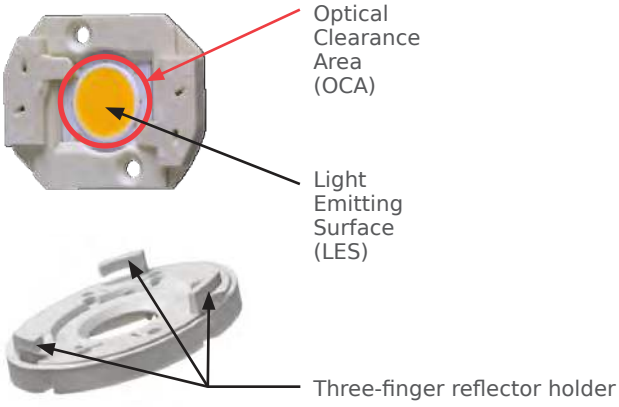
Mechanical
Wire Insertion Force (max.): 5N
Wire Pull Out Force (max.): 30N
Durability (min.): 5 Cycles

Physical
Housing:
PA66 Nylon 25% Glass fill UL94V-0
Contact:
Copper (Cu) Alloy, Nickel (Ni)
and Gold (Au)
Plating:
Contact Area — Gold (Au)
Underplating — Nickel (Ni)

Applications

All general illumination applications
– Downlighting
– Track
– Pendants
– Linear

Area Lighting
– Roadways
– Parking Lots
– Wall Packs



Ordering Information

Order No.	Product Description	Mounting Method	Wire Trap	Releasable Wire Trap	Optical Attachment
180580-0001	Rectangular LED Array Holder for Nichia COB-L Series Arrays with Gold (Au) Plating, One-Piece Design	M3 Screw	Double	Yes	No
180580-0004	Circular LED Array Holder for Nichia COB-L Series Arrays with Gold (Au) Plating, One-Piece Design		Single		
180580-0005					Yes

www.molex.com/link/ledholdernichia.html

www.molex.com/industry/solidstatelighting.html