

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0442480029](#)  
**Status:** **Active**  
**Overview:** [Magnetic and Modular Jacks and Plugs](#)  
**Description:** [Modular Jack, Right-Angle, Low Profile, Inverted, Lightpipes, 8/8, 2 Ports](#)

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>                                 | <a href="#">Application Specification AS-43860-001-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                            | <a href="#">Packaging Specification PK-44248-004 (PDF)</a>       |
| <a href="#">Product Specification PS-43860-003 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |

**Agency Certification**

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E107635 |

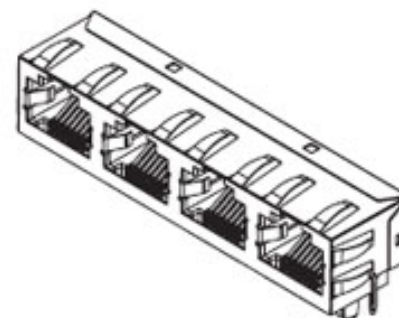
**General**

|                           |  |
|---------------------------|--|
| Product Family            | Modular Jacks/Plugs                                  |
| Series                    | <a href="#">44248</a>                                |
| Comments                  | Industry Compatible                                  |
| Component Type            | PCB Jack   |
| Magnetic                  | No   |
| Overview                  | <a href="#">Magnetic and Modular Jacks and Plugs</a> |
| Performance Category      | 3  |
| Power over Ethernet (PoE) | N/A  |
| Product Name              | Modular Jack 8/8, RJ45                               |
| UPC                       | 800753125971   |

**Physical**

|                                |                          |
|--------------------------------|--------------------------|
| Boot Color                     | N/A                      |
| Color - Resin                  | Black, Clear             |
| Durability (mating cycles max) | 500                      |
| Flammability                   | 94V-0                    |
| Inverted / Top Latch           | Yes                      |
| Jack Height                    | 13.45mm                  |
| Lightpipes/LEDs                | Lightpipes               |
| Material - Metal               | Phosphor Bronze          |
| Material - Plating Mating      | Gold                     |
| Material - Plating Termination | Tin                      |
| Material - Resin               | Polycarbonate, Polyester |
| Net Weight                     | 6.475/g                  |
| Orientation                    | Right Angle (Side Entry) |
| PCB Locator                    | Yes                      |
| PCB Retention                  | Yes                      |
| PCB Thickness - Recommended    | 1.57mm                   |
| Packaging Type                 | Tray                     |
| Pitch - Mating Interface       | 1.02mm                   |
| Pitch - Termination Interface  | 1.02mm                   |
| Plating min - Mating           | 1.270µm                  |
| Plating min - Termination      | 2.540µm                  |
| Ports                          | 2                        |
| Positions / Loaded Contacts    | 8/8                      |
| Surface Mount Compatible (SMC) | No                       |
| Temperature Range - Operating  | -40° to +85°C            |
| Termination Interface: Style   | Through Hole             |
| Waterproof / Dustproof         | No                       |
| Wire/Cable Type                | N/A                      |

**Electrical**



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/61/2018 (27 June  
2018)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[44248 Series](#)

**Mates With**

FCC 68 Plugs

|                               |               |
|-------------------------------|---------------|
| Current - Maximum per Contact | 1.5A          |
| Grounding to PCB              | Yes           |
| Shielded                      | Yes           |
| Voltage - Maximum             | 150V AC (RMS) |

**Solder Process Data**

|  |      |
|--|------|
| Duration at Max. Process Temperature (seconds) | 005  |
| Lead-free Process Capability                   | WAVE |
| Max. Cycles at Max. Process Temperature        | 001  |
| Process Temperature max. C                     | 260  |

**Material Info****Reference - Drawing Numbers**

|                           |                  |
|---------------------------|------------------|
| Application Specification | AS-43860-001-001 |
| Packaging Specification   | PK-44248-004     |
| Product Specification     | PS-43860-003     |
| Sales Drawing             | SD-44248-001     |

This document was generated on 10/08/2018

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**