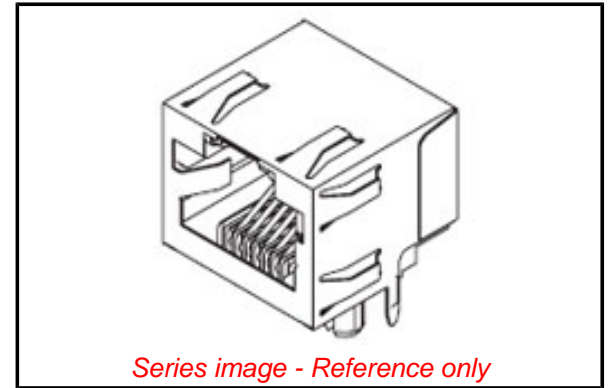


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **0438600010**  
**Status:** **Active**  
**Overview:** Modular Jacks and Plugs  
**Description:** Modular Jack, Right Angle, Low Profile, Inverted, Shielded, All Panel Grounding Tabs, Lightpipes, 8/8

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>                                     | <a href="#">Packaging Specification PK-43860-005 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Test Summary TS-43860-001 (PDF)</a>            |
| <a href="#">Product Specification PS-43860-003 (PDF)</a>     | <a href="#">RoHS Certificate of Compliance (PDF)</a>       |
| <a href="#">Application Specification AS-43860-001 (PDF)</a> |  |



**Agency Certification**

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

**General**

|                           |   |
|---------------------------|---|
| Product Family            | Modular Jacks/Plugs                                       |
| Series                    | <u>43860</u>  |
| Comments                  | Lightpipes will withstand soldering temperature of 160° C |
| Component Type            | PCB Jack  |
| Magnetic                  | No  |
| Overview                  | <u>Modular Jacks and Plugs</u>                            |
| Performance Category      | 3   |
| Power over Ethernet (PoE) | N/A   |
| Product Name              | RJ45  |
| UPC                       | 800753929760  |

**Physical**

|                                |   |
|--------------------------------|---|
| Boot Color                     | N/A   |
| Color - Resin                  | Black, Clear                                  |
| Durability (mating cycles max) | 500   |
| Flammability                   | 94V-0   |
| Inverted / Top Latch           | Yes   |
| Jack Height                    | 13.54mm                                       |
| Lightpipes/LEDs                | Lightpipes                                    |
| Material - Metal               | Brass, Phosphor Bronze                        |
| Material - Plating Mating      | Gold  |
| Material - Plating Termination | Tin   |
| Material - Resin               | High Temperature Thermoplastic, Polycarbonate |
| Net Weight                     | 3.892/g                                       |
| Orientation                    | Right Angle (Side Entry)                      |
| PCB Locator                    | Yes   |
| PCB Retention                  | Yes   |
| PCB Thickness - Recommended    | 1.60mm  |
| Packaging Type                 | Tray  |
| Panel Mount                    | With Flange                                   |
| Pitch - Mating Interface       | 1.02mm  |
| Pitch - Termination Interface  | 1.02mm  |
| Plating min - Mating           | 1.270µm                                       |
| Plating min - Termination      | 2.540µm                                       |
| Ports                          | 1   |
| Positions / Loaded Contacts    | 8/8   |
| Surface Mount Compatible (SMC) | No  |
| Temperature Range - Operating  | -40°C to +85°C                                |
| Termination Interface: Style   | Through Hole                                  |

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - ED/21/2016 (20 June 2016)

**Halogen-Free**

**Status**

**Not Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS  
ELV

Green Image  
Not Relevant

**Search Parts in this Series**

43860 Series

**Mates With**

FCC 68 Plugs

|                               |               |
|-------------------------------|---------------|
| Waterproof / Dustproof        | No            |
| Wire/Cable Type               | N/A           |
| <b>Electrical</b>             |               |
| Current - Maximum per Contact | 1.5A          |
| Grounding to PCB              | Yes           |
| Grounding to Panel            | 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   |
| Packaging Specification   | PK-43860-005   |
| Product Specification     | PS-43860-003, RPS-43860-004, RPS-43860-007,<br>RPS-43860-008, RPS-43860-011, RPS-43860-012,<br>RPS-43860-013 |
| Sales Drawing             | SD-43860-001   |
| Test Summary              | TS-43860-001   |

This document was generated on 08/11/2016

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