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Part Number:

85504-5001

Status:

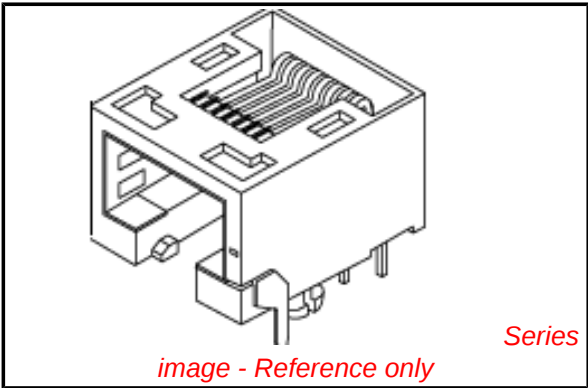
Active

Overview:

Modular Plugs - Jacks

Description:

Modular Jack, Right Angle, Low Profile, Shielded, 8/8, Cat 5e, Through Hole, Gold (Au), Tin (Sn) over Nickel (Ni)



Documents:

3D Model

Drawing (PDF)

Product Specification PS-85504-001 (PDF)

Application Specification AS-85513-001 (PDF)

Test Summary STR-1509 (PDF)

RoHS Certificate of Compliance (PDF)

|                                |                                |
|--------------------------------|--------------------------------|
| Agency Certification           |                                |
| UL                             | E107635                        |
| General                        |                                |
| Product Family                 | Modular Jacks/Plugs            |
| Series                         | 85504                          |
| Comments                       | Internal Shield                |
| Component Type                 | PCB Jack                       |
| Magnetic                       | No                             |
| Overview                       | Modular Plugs - Jacks          |
| Performance Category           | 5, 5e                          |
| Power over Ethernet (PoE)      | N/A                            |
| Product Name                   | RJ45                           |
| UPC                            | 800756681368                   |
| Physical                       |                                |
| Boot Color                     | N/A                            |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 750                            |
| Flammability                   | 94V-0                          |
| Inverted / Top Latch           | No                             |
| Jack Height                    | 11.50mm                        |
| Lightpipes/LEDs                | None                           |
| Material - Metal               | Phosphor Bronze                |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 2.711/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  | 1.27mm                         |
| Plating min - Mating           | 1.270µm                        |
| Plating min - Termination      | 1.905µm                        |
| Ports                          | 1                              |
| Positions / Loaded Contacts    | 8/8                            |
| Surface Mount Compatible (SMC) | No                             |
| Temperature Range - Operating  | -40°C to +80°C                 |
| Termination Interface: Style   | Through Hole                   |
| Waterproof / Dustproof         | No                             |
| Wire/Cable Type                | N/A                            |

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Low-Halogen Status

Low-Halogen

China RoHS



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Email [productcompliance@molex.com](mailto:productcompliance@molex.com)

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

85504Series

Mates With

95043 Modular Plug, Short Body

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 1.5A |
| Grounding to PCB              | Yes  |
| Shielded                      | Yes  |
| Voltage - Maximum             | 125V |

**Solder Process Data**

|                                                |                        |
|------------------------------------------------|------------------------|
| Duration at Max. Process Temperature (seconds) | 40                     |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 1                      |
| Process Temperature max. C                     | 260                    |

**Material Info**

**Reference - Drawing Numbers**

|                           |              |
|---------------------------|--------------|
| Application Specification | AS-85513-001 |
| Product Specification     | PS-85504-001 |
| Sales Drawing             | SD-85504-501 |
| Test Summary              | STR-1509     |

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