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**Part Number:** [42410-8312](#)  
**Status:** **Active**  
**Overview:** [Modular Plugs - Jacks](#)  
**Description:** Modular Jack, Vertical, 8/8, Panel Stops

**Documents:**

|                                                      |                                                      |
|------------------------------------------------------|------------------------------------------------------|
| <a href="#">3D Model</a>                             | <a href="#">Test Summary TS-42878-001 (PDF)</a>      |
| <a href="#">Drawing (PDF)</a>                        | <a href="#">RoHS Certificate of Compliance (PDF)</a> |
| <a href="#">Product Specification PS-42410 (PDF)</a> |                                                      |

**General**

|                           |                                       |
|---------------------------|---------------------------------------|
| Product Family            | Modular Jacks/Plugs                   |
| Series                    | 42410                                 |
| Comments                  | Flush Mount Flangeless 2 PCB Thick    |
| Component Type            | PCB Jack                              |
| Magnetic                  | No                                    |
| Overview                  | <a href="#">Modular Plugs - Jacks</a> |
| Performance Category      | 3                                     |
| Power over Ethernet (PoE) | N/A                                   |
| Product Name              | RJ45                                  |
| UPC                       | 800754381116                          |

**Physical**

|                                |                      |
|--------------------------------|----------------------|
| Color - Resin                  | Black                |
| Durability (mating cycles max) | 500                  |
| Inverted / Top Latch           | N/A                  |
| Jack Height                    | 16.38mm              |
| Lightpipes/LEDs                | None                 |
| Material - Metal               | Phosphor Bronze      |
| Material - Plating Mating      | Gold                 |
| Material - Plating Termination | Tin                  |
| Material - Resin               | Polyester            |
| Net Weight                     | 2.726/g              |
| Orientation                    | Vertical (Top Entry) |
| PCB Retention                  | Yes                  |
| PCB Thickness - Recommended    | 1.60mm               |
| Packaging Type                 | Tray                 |
| Pitch - Mating Interface       | 1.02mm               |
| Pitch - Termination Interface  | 1.27mm               |
| 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 +80°C       |
| Termination Interface: Style   | Through Hole         |
| Wire/Cable Type                | N/A                  |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 1.5A |
| Shielded                      | No   |
| Voltage - Maximum             | 125V |

**Solder Process Data**

|                                                |                        |
|------------------------------------------------|------------------------|
| Duration at Max. Process Temperature (seconds) | 5                      |
| Lead-free Process Capability                   | Wave Capable (TH only) |

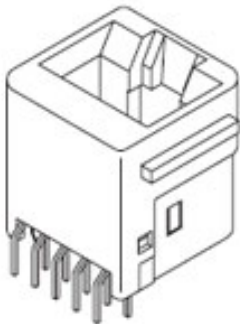


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Series

**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Not Low-Halogen**

**China RoHS**



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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**

[42410Series](#)

**Mates With**

FCC 68 Plugs

|                                         |              |
|-----------------------------------------|--------------|
| Max. Cycles at Max. Process Temperature | 1            |
| Process Temperature max. C              | 235          |
| <b>Material Info</b>                    |              |
| <b>Reference - Drawing Numbers</b>      |              |
| Product Specification                   | PS-42410     |
| Test Summary                            | TS-42878-001 |



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