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Part Number:

0428784266

Status:

Active

Overview:

Modular Jacks and Plugs

Description:

Modular Jack, Vertical, Low Profile, 4/2

|                                                      |                                                            |
|------------------------------------------------------|------------------------------------------------------------|
| Documents:                                           |                                                            |
| <a href="#">3D Model</a>                             | <a href="#">Packaging Specification PK-42878-492 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                        | <a href="#">Test Summary TS-42878-001 (PDF)</a>            |
| <a href="#">Product Specification PS-42878 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>       |

Agency Certification

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

General

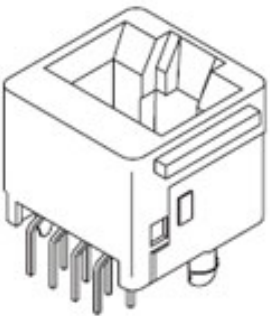
|                           |                                         |
|---------------------------|-----------------------------------------|
| Product Family            | Modular Jacks/Plugs                     |
| Series                    | 42878                                   |
| Comments                  | Flush Mount Flangeless 2 PCB Thick      |
| Component Type            | PCB Jack                                |
| Magnetic                  | No                                      |
| Overview                  | <a href="#">Modular Jacks and Plugs</a> |
| Performance Category      | 3                                       |
| Power over Ethernet (PoE) | N/A                                     |
| Product Name              | N/A                                     |
| UPC                       | 800753825253                            |

Physical

|                                |                      |
|--------------------------------|----------------------|
| Boot Color                     | N/A                  |
| Color - Resin                  | Black                |
| Durability (mating cycles max) | 500                  |
| Flammability                   | 94V-0                |
| Inverted / Top Latch           | N/A                  |
| Jack Height                    | 12.70mm              |
| Lightpipes/LEDs                | None                 |
| Material - Metal               | Phosphor Bronze      |
| Material - Plating Mating      | Gold                 |
| Material - Plating Termination | Tin                  |
| Material - Resin               | Polyester            |
| Orientation                    | Vertical (Top Entry) |
| PCB Locator                    | Yes                  |
| PCB Retention                  | Yes                  |
| PCB Thickness - Recommended    | 3.18mm               |
| 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    | 4/4                  |
| Surface Mount Compatible (SMC) | No                   |
| Temperature Range - Operating  | -40°C to +85°C       |
| Termination Interface: Style   | Through Hole         |
| Waterproof / Dustproof         | No                   |
| Wire/Cable Type                | N/A                  |

Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 1.5A |
|-------------------------------|------|



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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 | Not Reviewed |
| ELV        | Not Relevant |

Search Parts in this Series

42878 Series

Mates With

FCC 68 Plugs

|                   |               |
|-------------------|---------------|
| Shielded          | No            |
| Voltage - Maximum | 150V AC (RMS) |

**Solder Process Data**

|                                                |      |
|------------------------------------------------|------|
| Duration at Max. Process Temperature (seconds) | 005  |
| Lead-freeProcess Capability                    | WAVE |
| Max. Cycles at Max. Process Temperature        | 001  |
| Process Temperature max. C                     | 235  |

**Material Info**

**Reference - Drawing Numbers**

|                         |                |
|-------------------------|----------------|
| Packaging Specification | PK-42878-492   |
| Product Specification   | PS-42878       |
| Sales Drawing           | SDA-42878-**** |
| Test Summary            | TS-42878-001   |

This document was generated on 06/09/2016

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