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**Part Number:** **0458300215**  
**Status:** **Active**  
**Overview:** HD Mezz Mezzanine Connector System  
**Description:** 1.20mm by 2.00mm Pitch HD Mezz Plug, 195 Circuits, 8.00mm Unmated Height, 15 Rows, Tin (Sn) Plating

**Documents:**

|                                |  |
|--------------------------------|--|
| <a href="#">3D Model</a>       | <a href="#">Product Specification PS-45802-001-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>  | <a href="#">Test Summary TS-45830-9003-001 (PDF)</a>         |
| <a href="#">3D Model (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>         |

**Agency Certification**

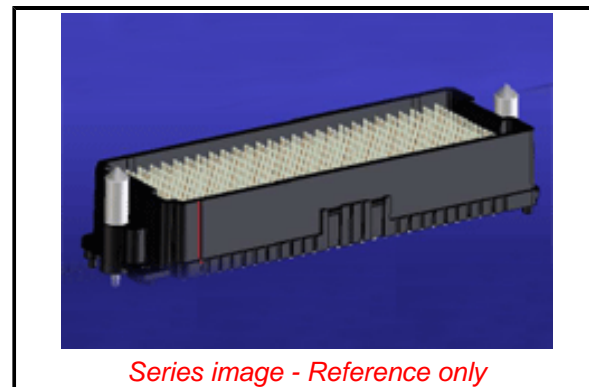
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers   |
| Series         | <a href="#">45830</a>                               |
| Application    | Board-to-Board, Signal                              |
| Comments       | 1.20mm Pitch Pin-to-Pin and 2.00mm Pitch Row-to-Row |
| Overview       | <a href="#">HD Mezz Mezzanine Connector System</a>  |
| Product Name   | HD Mezz   |
| UPC            | 822350629812  |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 195                            |
| Circuits (maximum)             | 195                            |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 100                            |
| First Mate / Last Break        | No                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Capable              | No                             |
| Guide to Mating Part           | No                             |
| Keying to Mating Part          | None                           |
| Lock to Mating Part            | Yes                            |
| Material - Metal               | High Performance Alloy (HPA)   |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 9.279/g                        |
| Number of Rows                 | 15                             |
| Orientation                    | Vertical                       |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface       | 1.20mm                         |
| Pitch - Termination Interface  | 1.20mm                         |
| Plating min - Mating           | 0.762µm                        |
| Plating min - Termination      | 2.540µm                        |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | Yes                            |
| Robotic Placement              | Vacuum Pick-Up Clip            |
| Shrouded                       | Closed Ends                    |
| Stackable                      | No                             |
| Surface Mount Compatible (SMC) | Yes                            |
| Temperature Range - Operating  | -55° to +105°C                 |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**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**

[45830](#) Series

**Mates With**

[45802](#) HD Mezz Receptacle

|                              |               |
|------------------------------|---------------|
| Termination Interface: Style | Surface Mount |
| Unmated Height               | 8.00mm        |

**Electrical**

|                               |         |
|-------------------------------|---------|
| Current - Maximum per Contact | 2.0A    |
| Voltage - Maximum             | 250V AC |

**Solder Process Data**

|  |        |
|--|--------|
| Duration at Max. Process Temperature (seconds) | 020    |
| Lead-freeProcess Capability                    | REFLOW |
| Max. Cycles at Max. Process Temperature        | 002    |
| Process Temperature max. C                     | 260    |

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

|                           |                    |
|---------------------------|--------------------|
| Electrical Model Document | EE-45802-0016-001  |
| Product Specification     | PS-45802-001-001   |
| S-Parameter Model         | SP-45802_45830-001 |
| Sales Drawing             | SD-45830-0001-001  |
| Test Summary              | TS-45830-9003-001  |

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