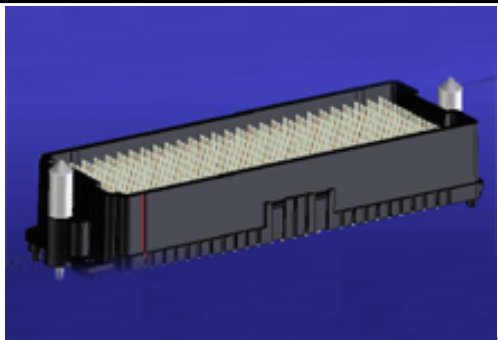


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**Part Number:** 0458307013  
**Status:** Contact Molex  
**Description:** 1.20mm (.047") by 2.00mm (.079") Pitch HD Mezz™ Plug, 169 Circuits, 15.00mm (.590") Unmated Height, 13 Rows, Tin (Sn)/Lead (Pb) Plating



Series

image - Reference only

**Documents:**

- Drawing (PDF)
- Product Specification PS-45802-001 (PDF)
- Product Specification PS-45802-002 (PDF)
- RoHS Certificate of Compliance (PDF)

**Agency Certification**

CSA LR19980  
UL E29179

**General**

Product Family PCB Headers  
Series 45830  
Application Board-to-Board, Signal  
Comments 1.20mm (.047") Pitch Pin-to-Pin and 2.00mm (.079") Pitch Row-to-Row  
Product Name HD Mezz™

**Physical**

Breakaway No  
Circuits (Loaded) 169  
Circuits (maximum) 169  
Color - Resin Black  
Durability (mating cycles max) 100  
First Mate / Last Break No  
Flammability 94V-0  
Glow-Wire Compliant 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  
Number of Rows 13  
Orientation Vertical  
PCB Locator Yes  
PCB Retention Yes  
Packaging Type Tray  
Pitch - Mating Interface 1.20mm (.047")  
Pitch - Termination Interface 1.20mm (.047")  
Plating min - Mating 0.762µm (30µ")  
Plating min - Termination 2.540µm (100µ")  
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°C to +105°C  
Termination Interface: Style Surface Mount

**Electrical**

**EU RoHS** **China RoHS**

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



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

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**  
45830Series

**Mates With**  
45802 HD Mezz™ Receptacle

|                               |         |
|-------------------------------|---------|
| Current - Maximum per Contact | 2A      |
| Voltage - Maximum             | 250V AC |

**Solder Process Data**

|                                                |                           |
|------------------------------------------------|---------------------------|
| Duration at Max. Process Temperature (seconds) | 20                        |
| Lead-free Process Capability                   | Reflow Capable (SMT only) |
| Max. Cycles at Max. Process Temperature        | 2                         |
| Process Temperature max. C                     | 230                       |
| Replacement RoHS Compliant Part Number         | 0458307213                |

**Material Info**

**Reference - Drawing Numbers**

|                       |                              |
|-----------------------|------------------------------|
| Product Specification | PS-45802-001, PS-45802-002   |
| Sales Drawing         | SD-45830-0001, SD-45830-0002 |

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