

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0458300227](#)  
**Status:** **Active**  
**Overview:** [HD Mezz Mezzanine Connector System](#)  
**Description:** 1.20mm by 2.00mm Pitch HD Mezz Plug, 351 Circuits, 8.00mm Unmated Height, 27 Rows, Tin (Sn) Plating

**Documents:**

[3D Model](#) [Product Specification TS-45830-9003-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-45802-001-001 \(PDF\)](#)

**Agency Certification**

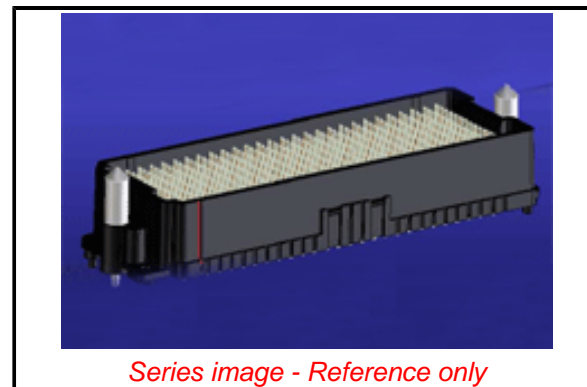
CSA LR19980

**General**

Product Family PCB Headers  
 Series [45830](#)  
 Application Board-to-Board, Signal  
 Comments 1.20mm Pitch Pin-to-Pin and 2.00mm Pitch Row-to-Row  
 Overview [HD Mezz Mezzanine Connector System](#)  
 Product Name HD Mezz  
 UPC 800756957982

**Physical**

Breakaway No  
 Circuits (Loaded) 351  
 Circuits (maximum) 351  
 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 14.377/g  
 Number of Rows 27  
 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  
 Termination Interface: Style Surface Mount



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - ED/61/2018 (27 June 2018)

**Halogen-Free**

**Status**

**Low-Halogen**

**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	Green Image
ELV	Not Relevant
Prop65	Compliant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

[45830](#) Series

**Mates With**

[45802](#) HD Mezz Receptacle

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  
Product Specification PS-45802-001-001, TS-45830-9003-001  
S-Parameter Model SP-45802\_45830  
Sales Drawing RSD-45830-0001, SD-45830-0001, SD-45830-0002

This document was generated on 09/12/2018

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[45830-0227](#)