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**Part Number:** [0458300207](#)  
**Status:** **Active**  
**Overview:** [HD Mezz Mezzanine Connector System](#)  
**Description:** 1.20mm by 2.00mm Pitch HD Mezz Plug, 91 Circuits, 8.00mm Unmated Height, 7 Rows, Tin (Sn) Plating

**Documents:**

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

**Agency Certification**

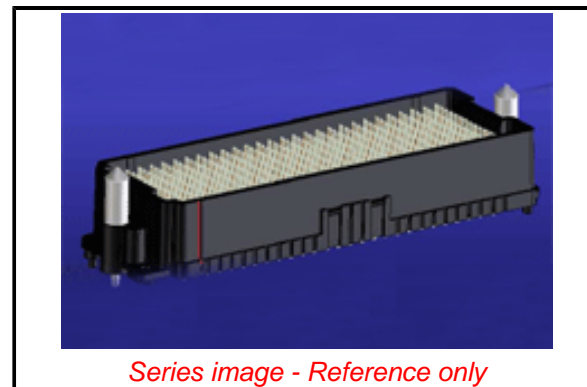
CSA	LR19980
UL	E29179

**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	800756957906

**Physical**

Breakaway	No
Circuits (Loaded)	91
Circuits (maximum)	91
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	5.880/g
Number of Rows	7
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 - 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

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**

Application Specification AS-45802-001-001  
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

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