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**Part Number:** [45830-2223](#)  
**Status:** **Active**  
**Overview:** HD Mezz™  
**Description:** 1.20mm by 2.00mm Pitch HD Mezz™ Plug, 299 Circuits, 10.00mm Unmated Height, 23 Rows, Tin (Sn) Plating

**Documents:**

<a href="#">3D Model</a>	<a href="#">Test Summary TS-45830-9003 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary TS-45830-901 (PDF)</a>
<a href="#">Product Specification PS-45802-001 (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™</a>
Product Name	HD Mezz™
UPC	822350590495

**Physical**

Breakaway	No
Circuits (Loaded)	299
Circuits (maximum)	299
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
Net Weight	16.071/g
Number of Rows	23
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

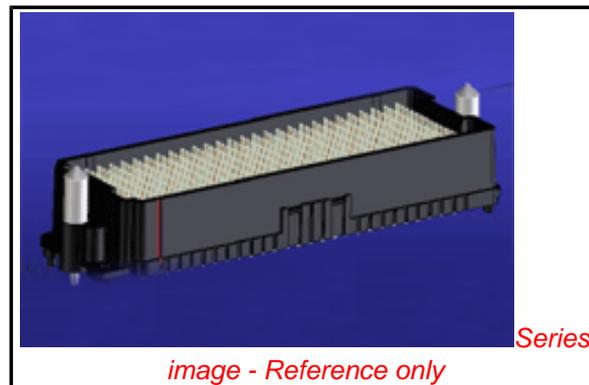


image - Reference only

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Low-Halogen**

**China RoHS**



**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](#)

Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Surface Mount
Unmated Height	10.00mm

### **Electrical**

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	260

### **Material Info**

### **Reference - Drawing Numbers**

Product Specification	PS-45802-001
Sales Drawing	SD-45830-0001, SD-45830-0002
Test Summary	TS-45830-9003, TS-45830-901

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