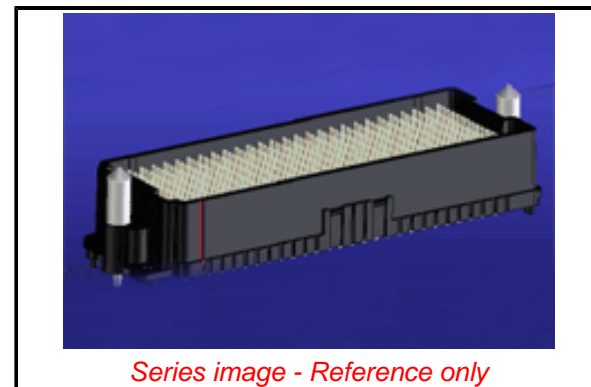


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**Part Number:** [0458302223](#)  
**Status:** **Active**  
**Overview:** HD Mezz Mezzanine Connector System  
**Description:** 1.20mm by 2.00mm Pitch HD Mezz Plug, 299 Circuits, 10.00mm Unmated Height, 23 Rows, Tin (Sn) Plating

**Documents:**

<a href="#">3D Model</a>	<a href="#">Test Summary TS-45830-9003-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary TS-45830-901-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-45802-001-001 (PDF)</a>	



Series image - Reference only

**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	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 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	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

**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

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

**Electrical**

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

**Solder Process Data**

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

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

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

This document was generated on 10/27/2021

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