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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:

3D Model	Product Specification TS-45830-9003-001 (PDF)
Drawing (PDF)	Product Specification TS-45830-901-001 (PDF)
Product Specification PS-45802-001-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

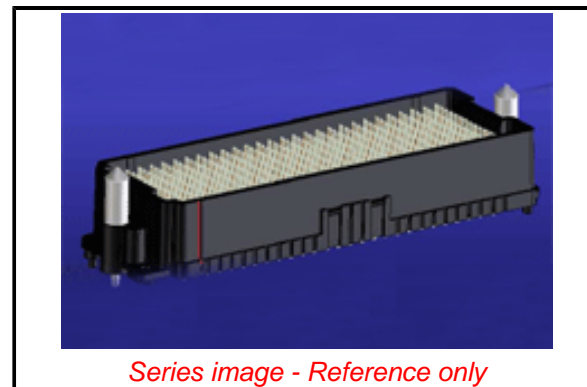
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	45830
Application	Board-to-Board, Signal
Comments	1.20mm Pitch Pin-to-Pin and 2.00mm Pitch Row-to-Row
Overview	HD Mezz Mezzanine Connector System
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
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

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

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-freeProcess 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, TS-45830-9003-001, TS-45830-901-001
Sales Drawing	RSD-45830-0001, SD-45830-0001, SD-45830-0002

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