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Part Number: **0458301223**
Status: **Active**
Overview: HD Mezz Mezzanine Connector System
Description: 1.20mm by 2.00mm Pitch HD Mezz™ Plug, 299 Circuits, 18.00mm Unmated Height, 23 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

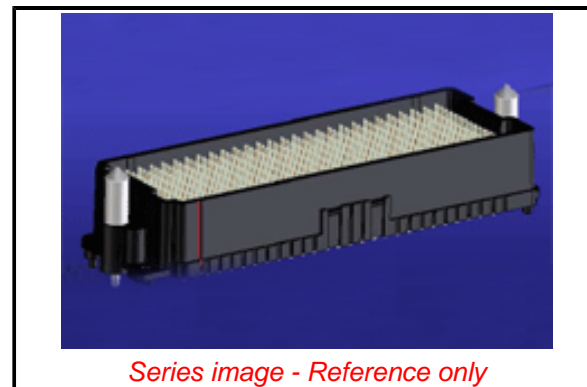
CSA LR19980
 UL E29179

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 800756775418

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 28.499/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°C to +105°C



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
 -ED/01/2017 (12
 January 2017)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
 Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS Green Image
 ELV Not Relevant
 RoHS Phthalates Not Contained

Search Parts in this Series

[45830](#) Series

Mates With

[45802](#) HD Mezz™ Receptacle

Termination Interface: Style Surface Mount
Unmated Height 18.00mm

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
Sales Drawing RSD-45830-0001, SD-45830-0001, SD-45830-0002

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