

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0458300223](#)
Status: **Active**
Overview: HD Mezz Mezzanine Connector System
Description: 1.20mm by 2.00mm Pitch HD Mezz Plug, 299 Circuits, 8.00mm 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

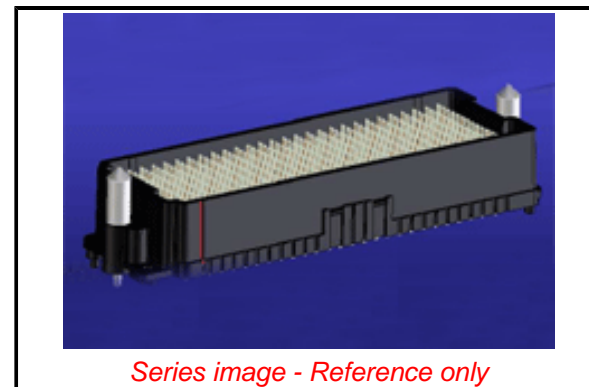
CSA LR19980
 UL E29179

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 822350590488

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 12.679/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	8.00mm

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**

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

This document was generated on 10/08/2018

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[45830-0223](#)