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Part Number: [0458303023](#)
Status: **Active**
Description: 1.20mm (.047") by 2.00mm (.079") Pitch HD Mezz™ Plug, 299 Circuits, 9.00mm (.354") Unmated Height, 23 Rows, Tin (Sn)/Lead (Pb) Plating

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-45802-001 \(PDF\)](#)

Agency Certification

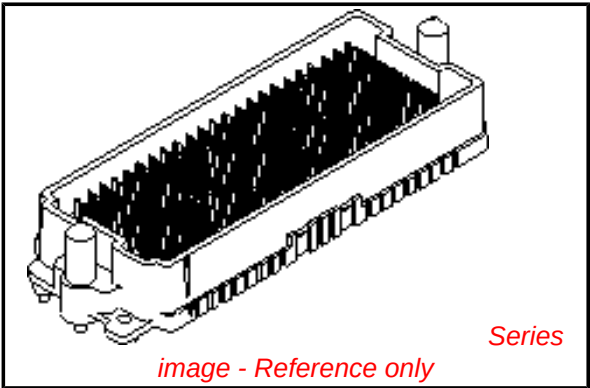
CSA LR19980
UL E29179

General

Product Family PCB Headers
Series [45830](#)
Application Board-to-Board
Comments 1.20mm (.047") Pitch Pin-to-Pin and 2.00mm (.079") Pitch Row-to-Row
Product Name HD Mezz™

Physical

Breakaway No
Circuits (Loaded) 299
Circuits (maximum) 299
Circuits Detail 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
Number of Rows 23
Orientation Vertical
PCB Locator Yes
PCB Retention Yes
Packaging Type Tray
Pitch - Mating Interface (in) 0.047 In
Pitch - Mating Interface (mm) 1.20 mm
Pitch - Term. Interface (in) 0.047 In
Pitch - Term. Interface (mm) 1.20 mm
Plating min: Mating (µin) 30
Plating min: Mating (µm) 0.75
Plating min: Termination (µin) 100
Plating min: Termination (µm) 2.5
Polarized to Mating Part Yes
Polarized to PCB Yes
Robotic Placement Vacuum Pick-Up Clip
Shrouded Closed Ends
Stackable No



EU RoHS **China RoHS**
Not RoHS Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed



Need more information on product environmental compliance?

Email 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

Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Surface Mount
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
Replacement RoHS Compliant Part Number	0458303223
Material Info	
Reference - Drawing Numbers	
Product Specification	PS-45802-001
Sales Drawing	SD-45830-001

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