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Part Number: 0458309021
Status: Contact Molex
Description: 1.20mm (.047") by 2.00mm (.079") Pitch HD Mezz™ Plug, 273 Circuits, 13.00mm (.511") Unmated Height, 21 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

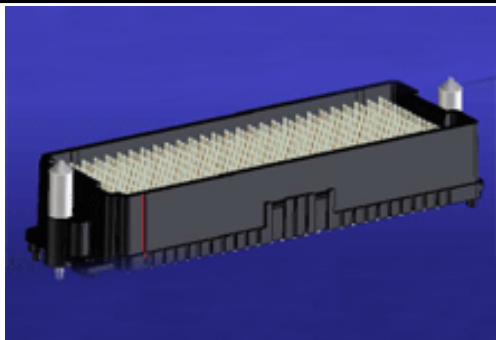
General

Product Family PCB Headers
Series 45830
Application Board-to-Board, Signal
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) 273
Circuits (maximum) 273
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 21
Orientation Vertical
PCB Locator Yes
PCB Retention Yes
Packaging Type Tray
Pitch - Mating Interface 1.20mm (.047")
Pitch - Termination Interface 1.20mm (.047")
Plating min - Mating 0.762µm (30µ")
Plating min - Termination 2.540µm (100µ")
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
Termination Interface: Style Surface Mount

Electrical



Series

image - Reference only

EU RoHS
Not RoHS Compliant
REACH SVHC
Contains SVHC: No
Low-Halogen 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

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	230
Replacement RoHS Compliant Part Number	0458309221

Material Info

Reference - Drawing Numbers

Product Specification	PS-45802-001
Sales Drawing	SD-45830-0001, SD-45830-0002

This document was generated on 05/12/2011

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