

[Home: PCB Headers](#)

## Part Number: 45830-4223

Image not available

|           |                       |
|-----------|-----------------------|
| Status:   | Contact Molex         |
| Series:   | <a href="#">45830</a> |
| Category: | PCB Headers           |
| Overview: | HD Mezz™              |

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Mates With Part(s):  
45802 HD Mezz™ Receptacle

### Specifications & Other Documents:

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### Part Detail

COLLAPSE ALL

▼ General

| Status       | Contact Molex                                       |
|--------------|---|
| Category     | PCB Headers   |
| Series       | <a href="#">45830</a>                               |
| Application  | Board-to-Board, Signal                              |
| Comments     | 1.20mm Pitch Pin-to-Pin and 2.00mm Pitch Row-to-Row |
| Overview     | <a href="#">HD Mezz™</a>                            |
| Product Name | HD Mezz™  |
| UPC          | 800756958736  |

## ▼ 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                     | 19.249/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                |
| Termination Interface: Style   | Surface Mount                  |
| Unmated Height                 | 12.00mm                        |

## ▼ Electrical

(Please review the Product Specification for specific details.)

|                               |         |
|-------------------------------|---------|
| Current - Maximum per Contact | 2.0A    |
| Voltage - Maximum             | 250V AC |

## ▼ Agency Certification

Please find UL Certificates by searching the UL Database using the Molex Series Number. [Click here to visit the UL Database](#)

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

## ▼ 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                 |
| Sales Drawing         | SD-45830-0001, SD-45830-0002 |
| Test Summary          | TS-45830-9003                |

## Molex Connectors

- Wire-to-Board
- Board-to-Board
- Wire-to-Wire
- Input/Output (IO)
- FFC/FPC
- Sockets

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