

Part Number: 46553-2200

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Status: Contact Molex
 Series: 46553
 Category: PCB Receptacles
 Overview: [HD Mezz™](#)

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Series Image - Reference only

Specifications & Other Documents:

Note - Please disable browser pop-up blockers to view documents on www.molex.com

Product Environmental Compliance

Questions on Product Environmental Compliance? Email productcompliance@molex.com[EU ELV](#): Not Relevant[EU RoHS](#): Compliant[China RoHS](#): [REACH SVHC](#): No -ED/39/2015 (15 June 2015)[Low-Halogen Status](#): Low-Halogen[RoHS Certificate of Compliance \(PDF\)](#)[Multiple Part Product Compliance Form \(PDF\)](#)

Application Tooling

[FAQ](#)

Tooling specifications and manuals are found by selecting the products below.

Crimp Height Specifications are then contained in the Application Tooling Specification document.

Previously Available Application Tooling

[Check our list of old tooling that used to be available for this part](#)

Part Detail

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Status	Contact Molex
Category	PCB Receptacles
Series	46553
Application	Board-to-Board, Signal
Comments	1.20mm Pitch Pin-to-Pin and 2.00mm Pitch Row-to-Row
Overview	HD Mezz™
Product Name	Mezzanine
UPC	883906379155

[▼ Physical](#)

Circuits (Loaded)	65
Circuits (maximum)	65
Color - Resin	Black
Durability (mating cycles max)	100
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	5.549/g
Number of Rows	7
Orientation	Vertical
PC Tail Length	1.60mm
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Tray
Pitch - Mating Interface	2.00mm
Pitch - Termination Interface	2.00mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Robotic Placement	Vacuum Pick-Up Tape
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Surface Mount
Unmated Height	10.00mm

[▼ Electrical](#)

(Please review the Product Specification for specific details.)	
Current - Maximum per Contact	2.0A
Grounding to PCB	No
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-46553-001
Test Summary	TS-45802-901