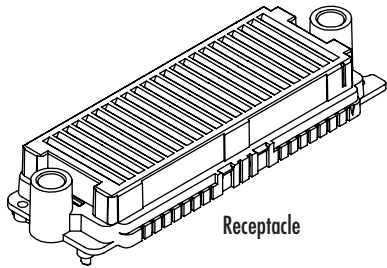
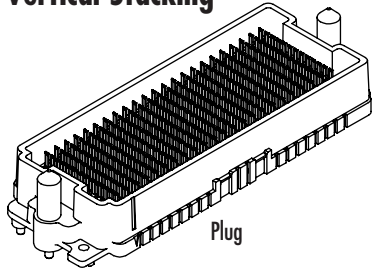


1.20 x 2.00mm (.047 x .079") Pitch HD Mezz™ Board-to-Board Plug and Receptacle

45830/45802
SMT, Pin Field
Vertical Stacking



Features and Benefits

- RoHS Compliant solder charge for SMT
- Dual contact interface points
- Guide pins for gross alignment
- 16mm to 36mm mated heights
- 117 to 403 circuits available

Reference Information

Product Specification: PS-45802-001
Packaging: Tray
Designed In: Millimeters

Electrical

Voltage: 250 VAC per contact
Current: 2.0A per contact
Contact Resistance: 25 milliohms nom.
Dielectric Withstanding Voltage: 500 VDC
Insulation Resistance: 5000 Megohms minimum
across wafers, 1000 within

Mechanical

Mating Force: 51g nom. per contact
Unmating Force: 25g nom. per contact
Normal Force: 51g nom. per contact
Durability: 100 cycles

Physical

Housing: Glass-filled LCP, UL 94V-0
Contact: Copper Alloy
Plating: Contact Area—0.75µm Gold min.
Solder Tail Area—2.50µm Tin min.
Underplating—1.25µm Nickel overall
Operating Temperature: -55 to +105°C

Circuits	Order No.	Description	Height	Lead-free
143	45802-0311	Receptacle	8.00mm (.315")	Yes
195	45802-0215			
299	45802-0223			
143	45802-1211		18.00mm (.709")	
299	45802-1223			
325	45802-1225			

Circuits	Order No.	Description	Height	Lead-free
195	45830-0215	Plug	8.00mm (.315")	Yes
299	45830-0223			
143	45830-2211			
299	45830-2223		10.00mm (.393")	
325	45830-2225			
143	45830-1211			

Notes:

- 1) Plug and receptacle heights should be added together to obtain mated stack heights
- 2) Please contact Molex for other circuit sizes and mated stack heights
- 3) Please contact Molex for HD Mezz™ parts with Tin/Lead solder charges

A

0.40 to 1.60mm (.016 to .063") Pitch PCB and Wire Connectors