

## General Information

<b>Part Number:</b>	76650-0130
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	Plateau HS Mezz Connector Kit
<b>Description:</b>	High Speed Mezzanine Gold Plug and Receptacle
<b>Product Family:</b>	Plateau HS Mezz™
<b>Certificates:</b>	(Molex Parts within this kit) - UL and CSA
<b>Country of Origin:</b>	Kit assembled in U.S.A.

## Specifications

### Design

<b>Configuration:</b>	Board-to-Board
<b>Pitch:</b>	1.20mm (.047")
<b>Connector Type:</b>	Receptacle and Plug

### Mounting

<b>Orientation:</b>	Vertical
<b>Circuit Sizes:</b>	12, 24 and 48
<b>Current Rating:</b>	1.5 Amps
<b>Voltage:</b>	30 Volts

## Product Highlights

Utilizes proprietary Plateau Technology™ (plated gold housing) to provide a high-speed high-density mezzanine connector system for differential and single-ended signal applications. The gold-plated plastic shields each differential pair from neighboring pairs, lowering crosstalk and improving signal clarity. Different stack heights and circuit sizes provide flexibility in design and grounding the conductive housing eliminates the need for individual ground pin designations within the connector.

### Features and Benefits

- Advanced gold-plated housings with integrated shielding system
- Two points of contact on each signal
- Multiple stack heights from 10 to 25mm (.394 to .984")
- Available in 6, 12, 24, and 36 differential pair sizes (12, 24, 48 and 72 contacts)

### Applications

- Switches and Hubs
- Routers
- Servers and Blade Servers
- Workstations
- Storage Devices

**For additional Molex / Waldom Design and Solution kits please go to [www.molexkits.com](http://www.molexkits.com)**

**Bill of Materials for Part No. 76650-0130**

Molex Part No.	Country of Origin	Description	Quantity in Kit
75005-0104	USA	1.20mm (.047") Pitch Plateau HS Mezz™ Receptacle, 48 Circuits	1
75003-0110	USA	1.20mm (.047") Pitch Plateau HS Mezz™ Plug, 48 Circuits, 13.25mm (.522") Unmated Height	1
75005-0006	USA	1.20mm (.047") Pitch Plateau HS Mezz™ Receptacle, 24 Circuits	1
75003-0010	USA	1.20mm (.047") Pitch Plateau HS Mezz™ Plug, 24 Circuits, 13.25mm (.522") Unmated Height	1
75005-0306	USA	1.20mm (.047") Pitch Plateau HS Mezz™ Receptacle, 12 Circuits	1
75003-0310	USA	1.20mm (.047") Pitch Plateau HS Mezz™ Plug, 12 Circuits, 13.25mm (.522") Unmated Height	1

**No Recommended Molex Tool for Part Number 76650-0130**