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The connector kit specialist

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Datasheet for 76650-0130

General Information	
Kit Part Number:	76650-0130
Connector Type:	Board-to-Board
Solution:	High Speed Connectors
Molex Family:	Plateau HS Mezz™
Certificates:	N/A
Country of Origin:	Kit assembled in U.S.A

Specifications	
Circuit Size:	12, 24, 48
Current Rating:	1.5A
Mounting Style:	SMT (Surface Mount Technology)
Orientation:	Plugs, Vertical Receptacles
Pitch:	1.20mm (.047")
Speed:	> 10 Gbps (Gigabits Per Second)
Style:	Mezzanine
Voltage Rating:	30V

Product Hightlights

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 • Military

Bill of Materials

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

Recommended Molex Tool

Molex Part No.	Descripition