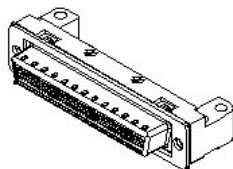# molex®
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Part Number: 91629-8210

0.50mm Pitch LaneLink™ I/O Jack Screw Receptacle, 4 Lane and 12 Lane, SAS, SATA, Fibre Channel, 24 Circuits, Tape & Reel

Status:	**OBSOLETE**
Replacement:	Contact Molex
Series:	91629
Category:	I/O Connectors

Series image - Reference only

Mates With Part(s):
916591010, 916591011, 916591012

Product Environmental Compliance

EU RoHS: ELV and RoHS Compliant
China RoHS: Ⓖ
REACH SVHC:
Low-Halogen Status: Not Reviewed

Part Detail

General

Status	**Obsolete**
Category	I/O Connectors
Series	91629
Application	Wire-to-Board
Component Type	Receptacle
Product Name	InfiniBand*, LaneLink™
Type	N/A

Physical

Circuits (Loaded)	24
Circuits (maximum)	24
Circuits Detail	24 Differential Pair
Color - Resin	Black
Durability (mating cycles max)	250
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm, 2.40mm, 4.00mm
Packaging Type	Embossed Tape on Reel
Panel Mount	Yes
Pitch - Mating Interface	0.50mm
Plating min - Mating	0.102µm
Plating min - Termination	3.048µm
Polarized to Mating Part	Yes
Surface Mount Compatible (SMC)	N/A
Temperature Range - Operating	-20°C to +60°C
Termination Interface: Style	Surface Mount
Wire Size AWG	N/A

Electrical

(Please review the Product Specification for specific details.)

Current - Maximum per Contact	0.5A
Shielded	Yes
Voltage - Maximum	30V

Solder Process Data

Lead-free Process Capability	Reflow Capable (SMT only)
Process Temperature max. C	260

Material Info

UPC	822348745593

Reference - Drawing Numbers

Application Specification	AS-91525-001, AS-91803-001
Packaging Specification	PK-91629-002, PK-91629-003, PK-91803-001
Product Specification	PS-91525-001
Sales Drawing	SD-91629-004

Application Tooling

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