



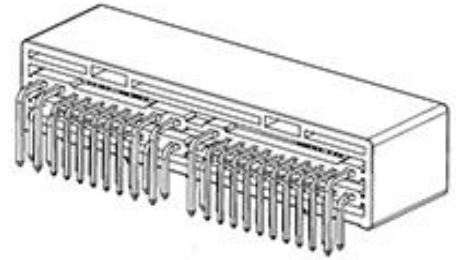
**Part Number :** [1042124211](#)

**Product Description :** MOX HBC Hybrid Header, Right-Angle, Tin Plating, 42 Circuits

**Series Number :** 104212

**Status :** Active

**Product Category :** PCB Headers and Receptacles



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## Documents & Resources


### Drawings

[1042124211\\_sd.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	 per SJ/T 11365-2006
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

### Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

### Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

### Substances of Interest

- PFAS

## Part Details

### General

Status	Active
Category	PCB Headers and Receptacles
Series	104212
Description	MOX HBC Hybrid Header, Right-Angle, Tin Plating, 42 Circuits
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Name	MOX HBC
UPC	889056494427

### Electrical

Current - Maximum per Contact	10.0A, 5.0A
Voltage - Maximum	13V DC (RMS)

### Physical

Breakaway	No
Circuits (Loaded)	42
Circuits (maximum)	42
Color - Resin	Black
First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	PBT
Net Weight	14.343/g
Number of Rows	2

Orientation	Right Angle
Packaging Type	Tray
PCB Thickness - Recommended	1.60mm
PC Tail Length	3.30mm
Pitch - Mating Interface	2.50mm, 2.95mm, 3.40mm
Pitch - Termination Interface	2.50mm, 2.95mm, 3.40mm
Plating min - Mating	1.524µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
MOX HBC Receptacle Housing with TPA, 20 Circuits, Black	<u>1042132011</u>
MOX HBC Receptacle Housing with TPA, 22 Circuits, Gray	<u>1042132211</u>