Part Number : 1728010006
Product Description : NeoPress High-Speed Mezzanine Plug, 3.50mm Pitch, 6x10, 60 Triads (180 Circuits), 21.50mm Connector Height, 0.76µm Gold (Au) Plating
Series Number : 172801
Status : Active
Product Category : Board-to-Board Connectors



Documents and Resources

Drawings

1728010006_sd.pdf

PK-173358-0001-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

1728017006-000.pdf

1728017006-000.zip

Specifications

AS-172801-0001-001.pdf

PS-172801-0001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

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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

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Board-to-Board Connectors
Series	172801
Description	NeoPress High-Speed Mezzanine Plug, 3.50mm Pitch, 6x10, 60 Triads (180 Circuits), 21.50mm Connector Height, 0.76µm Gold (Au) Plating
Application	Board-to-Board, Mezzanine
Component Type	Plug
Product Name	NeoPress
UPC	889056383103

Agency

UL	E29179

Electrical

Current - Maximum per Contact	1.0A
Voltage - Maximum	30V AC (RMS)

Physical

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Breakaway	No
Circuits (Loaded)	180
Circuits (maximum)	180
Color - Resin	Black
Durability (mating cycles max)	100
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	No
Lock to Mating Part	No
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer (LCP)
Net Weight	17.680/g
Number of Rows	6
Orientation	Vertical
Packaging Type	Tray
PCB Locator	No
PCB Retention	No
PC Tail Length	1.38mm
Pitch - Mating Interface	3.50mm
Plating min - Mating	0.762µm
Plating min - Termination	1.270µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Robotic Placement	None
Shrouded	Shrouded
Stackable	Yes
Temperature Range - Operating	-55° to +85°C
Termination Interface Style	Through Hole - Compliant Pin

Mates With / Use With

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Mates with Part(s)

Description	Part Number
NeoPress High-Speed Mezzanine Receptacle, 3.50mm Pitch, 6x10, 60 Triads (180 Circuits), 18.50mm Connector Height, 0.76µm Gold (Au) Plating	1728320005

Application Tooling

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