



Part Number : 470184002

Product Description : 1.27mm Pitch Serial ATA Host Receptacle, Mating Height 5.15mm, 0.38µm Gold (Au) Plating, Light Tin Solder Area, Surface Mount, Right-Angle, Top Mount Type, 22 Circuits, Lead-Free

Series Number : 47018

Status : Active

Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings

- [Drawing 470184002_sd.pdf](#)
- [Packaging Design Drawing PK-47018-003-002.pdf](#)

3D Models and Design Files

- [3D Model 470184002_stp.zip](#)
- [Electrical Model Document EE-47018-003-001.pdf](#)
- [S-Parameter Model SP-47018-003-001.zip](#)

Specifications

- [Product Specification PS-67492-001-001.pdf](#)
- [Product Specification PS-67492-001-007.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

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

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	47018
Description	1.27mm Pitch Serial ATA Host Receptacle, Mating Height 5.15mm, 0.38µm Gold (Au) Plating, Light Tin Solder Area, Surface Mount, Right-Angle, Top Mount Type, 22 Circuits, Lead-Free
Application	Board-to-Board, Signal
Comments	Top Mount Type
Component Type	PCB Receptacle
Product Family	Serial ATA Connectors
Product Name	Serial ATA
UPC	822350330831

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	1.5A
Voltage - Maximum	15V DC

Physical

Circuits (Loaded)	22
Circuits (maximum)	22
Color - Resin	Black

Durability (mating cycles max)	500
Flammability	94V-0
Glow-Wire Capable	No
Keying to Mating Part	Yes
Lock to Mating Part	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	1.750/g
Number of Rows	1
Orientation	Right Angle
Packaging Type	Embossed Tape on Reel
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	1.27mm
Pitch - Termination Interface	1.27mm
Plating min - Mating	0.381µm
Plating min - Termination	2.032µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Temperature Range - Operating	-35° to +85°C
Termination Interface Style	Surface Mount

Solder Process Data

Max-Duration	3
Lead-Free Process Capability	REFLOW
Max-Cycle	1
Max-Temp	255