



Part Number : 470184001

Product Description : 1.27mm Pitch Serial ATA Host Receptacle, Mating Height 5.15mm, 0.76µm 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 470184001\_sd.pdf  
Packaging Design Drawing PK-47018-003-002.pdf

3D Models and Design Files


3D Model 470184001\_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, 0.76µm 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	822350330824

#### 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	0.762µm
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

Lead-Free Process Capability	REFLOW
Max-Temp	230