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Part Number: [0470184001](#)
Status: **Active**
Overview: Serial ATA Connectors
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

Documents:

3D Model	Product Specification PS-67492-001-007 (PDF)
3D Model (PDF)	Packaging Specification PK-47018-003-002 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-67492-001-001 (PDF)	

Agency Certification

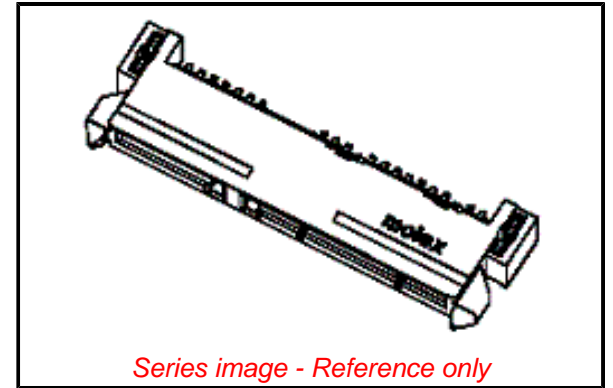
CSA	LR19980
UL	E29179

General

Product Family	PCB Receptacles
Series	47018
Application	Board-to-Board, Signal
Comments	Top Mount Type
Component Type	PCB Receptacle
Overview	Serial ATA Connectors
Product Name	Serial ATA
Taxonomy	PCB Headers and Receptacles
UPC	822350330824

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
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Embossed Tape on Reel
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
Surface Mount Compatible (SMC)	N/A
Temperature Range - Operating	-35° to +85°C
Termination Interface: Style	Surface Mount



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[47018 Series](#)

Mates With

[877030001](#)

Electrical

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

Solder Process Data

Lead-free Process Capability REFLOW
Process Temperature max. C 230

Material Info**Reference - Drawing Numbers**

Electrical Model Document EE-47018-003-001
Packaging Specification PK-47018-003-002
Product Specification PS-67492-001-001, PS-67492-001-007
S-Parameter Model SP-47018-003-001
Sales Drawing SD-47018-001-001

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