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Part Number: [0470184002](#)
Status: **Active**
Overview: Serial ATA Connectors
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

Documents:

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

Agency Certification

CSA	LR19980
UL	E29179

General

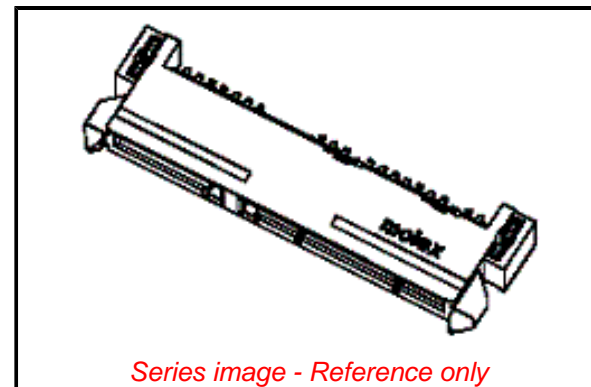
Product Family	PCB Receptacles
Series	47018
Application	Board-to-Board, Signal
Comments	Top Mount Type
Overview	Serial ATA Connectors
Product Name	Serial ATA
UPC	822350330831

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	0.381µm
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

Electrical

Current - Maximum per Contact	1.5A
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Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Low-Halogen

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

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[47018 Series](#)

Mates With

[877030001](#)

Voltage - Maximum 15V DC

Solder Process Data

Duration at Max. Process Temperature (seconds) 003
Lead-free Process Capability REFLOW
Max. Cycles at Max. Process Temperature 001
Process Temperature max. C 255

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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