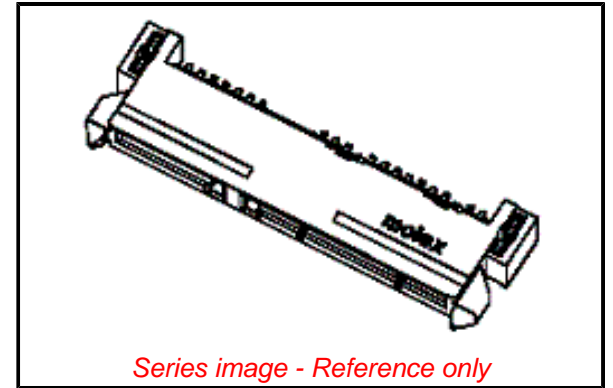


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Part Number: [0470184002](#)
Status: **Active**
Overview: Serial ATA Host Receptacles
Description: 1.27mm Pitch Serial ATA Host Receptacle, Mating Height 5.15mm, 0.38µm Gold (Au) Plating, Light Tin Solder Area, Surface Mount, Right Angle, Top Mount Type, 22 Circuits, Lead-Free

Documents:

3D Model	Product Specification PS-67492-001-007 (PDF)
Drawing (PDF)	Packaging Specification PK-47018-003 (PDF)
Product Specification PS-67492-001-001 (PDF)	RoHS Certificate of Compliance (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 Host Receptacles
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°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

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

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/01/2018 (15
January 2018)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[47018 Series](#)

Mates With

[87703-0001](#)

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

This document was generated on 07/12/2018

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