

[Molex.com](#)

English
日本語
한국어
简体中文

[Register | Login](#)
[My Parts \(0 items \)](#)

- Product Name**
- Cross-Ref**
- Catalog**
- Literature**
- Industries**
- Standards**
- Contact Us**
- About Us**
- Investors**
- Careers**

Search site:Search: [Go](#)

- [Connectors](#)
- [Sockets](#)
- [I/O Connectors](#)
- [Cable Assemblies](#)
- [Fiber Optics](#)
- [Printed Circuit Products](#)
- [Industrial Products](#)
- [Lighting Products](#)

Switch Language

- [Home](#)
- [PCB Headers](#)
- [Datasheet](#)

Need Assistance?

- [Contact Us](#)
- [Find a Distributor](#)
- [Order Samples](#)
- [Tech Library](#)
- [Ecocare](#)
- [Electrical Models](#)

[Printer-friendly page](#)

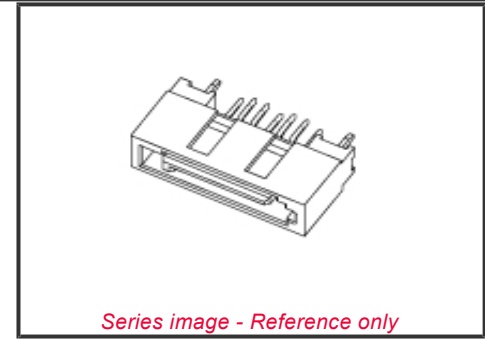
[Email this page](#)

Part Number:
0471554001

Status:
Active

Overview:
Serial ATA Products

Description:
1.27mm (.050") Pitch Serial ATA High Speed Header, Vertical, Through Hole, with Locking Latch, 7 Circuits, Gold (Au) Flash, for 1.60mm (.063") PCB, Tail Length 2.10mm (.083"), Black, Footprint A, with PCB Locator Pegs, Lead-free



Series image - Reference only

Documents: *Note - Please disable browser pop-up blockers for documents on www.molex.com*
[Drawing \(PDF\)](#) [Product Specification PS-67490-001 \(PDF\)](#)

[3D Model](#)

EU RoHS
ELV and RoHS
Compliant

REACH SVHC
Not Reviewed

Halogen-Free
Status
Not Halogen-Free

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[47155](#)Series

Mates With

[67489](#) Serial ATA Signal Connector

Order Products:

Part Detail: [\(show all\)](#)

[General](#)[Physical](#)[Electrical](#)[Solder Process Data](#)[Material Info](#)[Reference - Drawing Numbers](#)

General

Product Family	PCB Headers
Series	47155
Application	Board-to-Board, Wire-to-Board
Comments	Footprint A
Overview	Serial ATA Products
Product Name	Serial ATA

Physical

Breakaway	No
Circuits (Loaded)	7
Circuits (maximum)	7
Color - Resin	Black
Durability (mating cycles max)	500
First Mate / Last Break	Yes
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.083 In
PC Tail Length (mm)	2.10 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Plating min: Mating (µin)	2
Plating min: Mating (µm)	0.05
Plating min: Termination (µin)	76
Plating min: Termination (µm)	1.9
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-35°C to +85°C
Termination Interface: Style	Through Hole

Electrical(Please review the Product Specification for specific details.)

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

Solder Process Data

Lead-free Process Capability	Wave Capable (TH only)
Process Temperature max. C	230

Material Info

Reference - Drawing Numbers

Product Specification	PS-67490-001, RPS-67490-002
Sales Drawing	SD-47155-004

- [Feedback](#)
- [Privacy](#)
- [Legal](#)
- [Site Map](#)
- [Help](#)

• Find us on
•    
Copyright 2005-2010