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Part Number:

0470180002

Status:

Obsolete

Description:

1.27mm (.050") Pitch Serial ATA Host Receptacle, Mating Height 4.30mm (.169"), 0.38µm (15µ") Gold (Au) Plating, Surface Mount, Right Angle, Top Mount Type, 22 Circuits

Replacement Part Number:

47018-2002

EU RoHS

Not RoHS Compliant

REACH SVHC

Not Reviewed

Low-Halogen Status

Not Reviewed

China RoHS



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Email [productcompliance@molex.com](mailto: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.

Documents:

[Drawing \(PDF\)](#)

General

|                         |                        |
|-------------------------|------------------------|
| Product Family          | PCB Receptacles        |
| Series                  | 47018                  |
| Application             | Board-to-Board, Signal |
| Comments                | Top Mount Type         |
| Obsolete Date           | 2006/09/01             |
| Product Name            | Serial ATA             |
| Replacement Part Number | 47018-2002             |

Physical

|                                |                |
|--------------------------------|----------------|
| Circuits (Loaded)              | 22             |
| Durability (mating cycles max) | 500            |
| Glow-Wire Compliant            | No             |
| Keying to Mating Part          | Yes            |
| Lock to Mating Part            | None           |
| Material - Plating Mating      | Gold           |
| Material - Plating Termination | Tin-Lead       |
| Number of Rows                 | 1              |
| Orientation                    | Right Angle    |
| PC Tail Length                 | 1.60mm (.063") |
| PCB Locator                    | Yes            |
| PCB Retention                  | Yes            |
| PCB Thickness - Recommended    | 1.56mm (.061") |
| Packaging Type                 | Tray           |
| Pitch - Mating Interface       | 1.27mm (.050") |
| Pitch - Termination Interface  | 1.27mm (.050") |
| Plating min - Mating           | 0.381µm (15µ") |
| Plating min - Termination      | 2.032µm (80µ") |
| 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 |

Solder Process Data

|                                        |            |
|----------------------------------------|------------|
| Replacement RoHS Compliant Part Number | 0470182002 |
|----------------------------------------|------------|

Material Info

Reference - Drawing Numbers

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-67492-001 |
|-----------------------|--------------|

Search Parts in this Series

47018Series

Mates With

87703-0001

This document was generated on 05/11/2011

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