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Part Number: [0476452000](#)
Status: **Active**
Overview: [slimline_serial_ata_odd_connectors](#)
Description: 1.00mm(.039"), 1.27mm (.050") Pitch Slimline Serial ATA Header for Optical Disk Drive, Vertical, DIP Type, Gold (Au) Flash Plating, with Beveled Metal Pins, Lead-free

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-47628-001 \(PDF\)](#)

Agency Certification

CSA LR 19980
UL E29179

General

Product Family PCB Headers
Series [47645](#)
Application Board-to-Board
Comments Through Hole Type
Overview [slimline_serial_ata_odd_connectors](#)
Product Name Serial ATA, Slimline Serial ATA

Physical

Breakaway No
Circuits (Loaded) 13
Circuits (maximum) 13
Durability (mating cycles max) 500
First Mate / Last Break Yes
Flammability 94V-0
Glow-Wire Compliant No
Guide to Mating Part Yes
Keying to Mating Part Yes
Lock to Mating Part No
Material - Metal Copper Alloy
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Number of Rows 1
Orientation Vertical
PCB Locator No
PCB Retention Yes
PCB Thickness Recommended (in) 0.050 In
PCB Thickness Recommended (mm) 1.20 mm
Packaging Type Embossed Tape on Reel
Pitch - Mating Interface (in) 0.039 In, 0.050 In
Pitch - Mating Interface (mm) 1.00 mm, 1.27 mm
Pitch - Term. Interface (in) 0.039 In, 0.050 In
Pitch - Term. Interface (mm) 1.00 mm, 1.27 mm
Plating min: Mating (µin) 2
Plating min: Mating (µm) 0.05
Plating min: Termination (µin) 39
Plating min: Termination (µm) 1
Polarized to Mating Part Yes
Polarized to PCB Yes
Stackable No
Temperature Range - Operating -35°C to +85°C

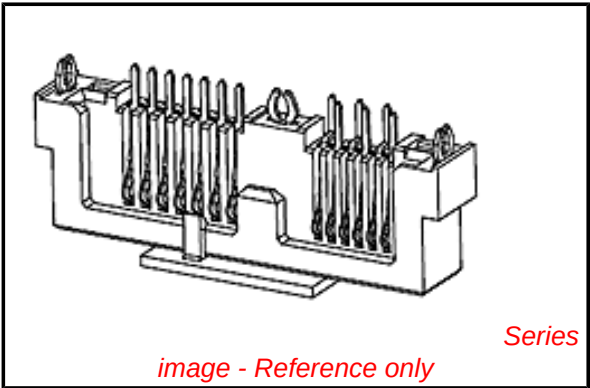


image - Reference only

Series

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
[47645Series](#)

Termination Interface: Style

Through Hole

Electrical

Current - Maximum per Contact

1.5A

Voltage - Maximum

15V DC

Material Info

Reference - Drawing Numbers

Packaging Specification

PK-47645-012

Product Specification

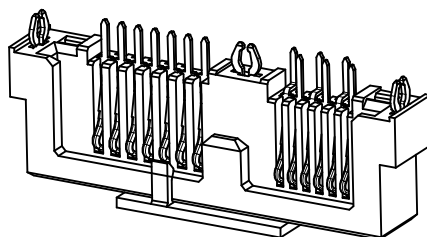
PS-47628-001

Sales Drawing

SD-47645-200

This document was generated on 05/26/2010

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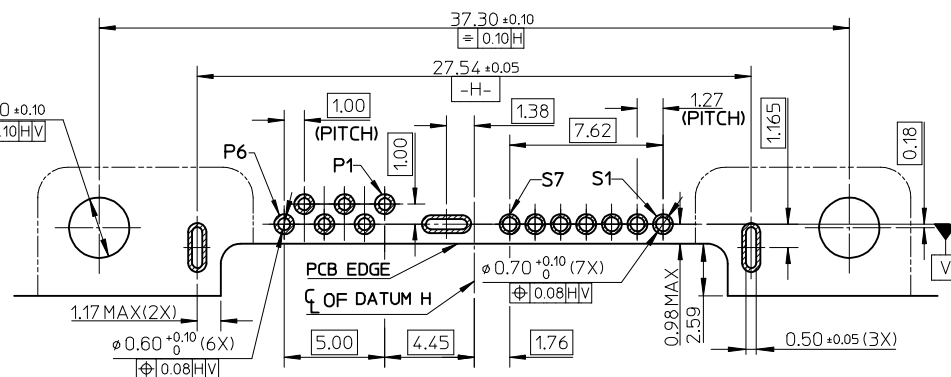
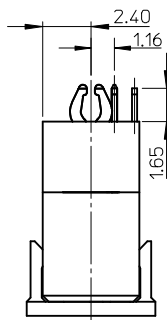
HOUSING : HIGH TEMPERATURE THERMOPLASTIC, UL94V-0, BLACK
 TERMINAL : COPPER ALLOY
 FORKLOCK : COPPER ALLOY

CONTACT AREA : GOLD PLATING SPEC REFER TO CHART.
SOLDER AREA : MATTE TIN PLATING 1 MICRONS MIN.
UNDERPLATING : NICKEL PLATING 1.25 MICRONS MIN.

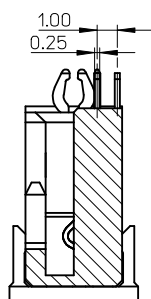
MATTE TIN PLATING 1 MICROMETER MIN. OVER NICKEL PLATING
1 MICROMETER MIN.

4.PRODUCT SPEC: PS-47628-001.

5.THE PRODUCT COMPLIANT TO RoHS DIRECTIVES 2002/95/EC AND
ELV 2000/53/EC.



PCB THICKNESS = 1.2MM ± 0.05MM



P/N	CONTACT GOLD PLATING SPEC
47645-2000	Au FLASH
47645-2100	0.38 MICRONS MIN
47645-2200	0.76 MICRONS MIN

tb_frame_A3_P_AM_T
Rev. E 2006/04/15