

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0015244742

Status:

Active

Overview:

Disk Drive Power Connector

Description:

5.08mm (.200") Pitch Disk Drive Power Connection System Header, Vertical, Through Hole, 4 Circuits, Lead-free, 2.12mm (.083") PC Tail Length, with PCB Locator Peg

Documents:

3D Model

Drawing (PDF)

Product Specification PS-8981-4V4/4R1-P (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Series

Application

Overview

Product Name

PCB Headers

8981

Wire-to-Board

Disk Drive Power Connector

Disk Drive Power

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Flammability

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Mated Height (in)

Mated Height (mm)

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Polarized to PCB

No

4

4

Black

25

No

94V-0

No

No

None

Yes

0.944 In

23.99 mm

Phosphor Bronze

Tin

Tin

High Temperature Thermoplastic

1

Vertical

0.083 In

2.12 mm

Yes

None

0.062 In

1.60 mm

Tray

0.200 In

5.08 mm

101.6

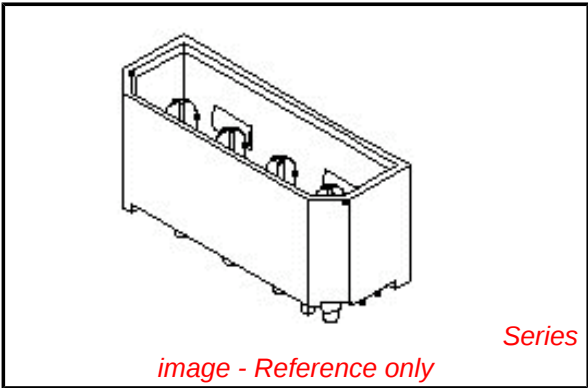
2.54

101.6

2.54

Yes

Yes



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](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.

Search Parts in this Series

8981Series

Mates With

[15244048](#) (8981-4P) Disk Drive Power  
Connection System Female Crimp Housing  
with Terminal [02081201](#) (8980-3C) or  
[02081202](#) (8980-3L)

|                                |                |
|--------------------------------|----------------|
| Shrouded                       | Fully          |
| Stackable                      | No             |
| Surface Mount Compatible (SMC) | Yes            |
| Temperature Range - Operating  | -40°C to +85°C |
| Termination Interface: Style   | Through Hole   |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 10A  |
| Voltage - Maximum             | 250V |

**Solder Process Data**

|                                                |                              |
|------------------------------------------------|------------------------------|
| Duration at Max. Process Temperature (seconds) | 10                           |
| Lead-free Process Capability                   | SMC & Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 1                            |
| Process Temperature max. C                     | 265                          |

**Material Info**

|                 |               |
|-----------------|---------------|
| Old Part Number | A-8981-4V6-LF |
|-----------------|---------------|

**Reference - Drawing Numbers**

|                       |                   |
|-----------------------|-------------------|
| Product Specification | PS-8981-4V4/4R1-P |
| Sales Drawing         | SD-8981-4V6       |

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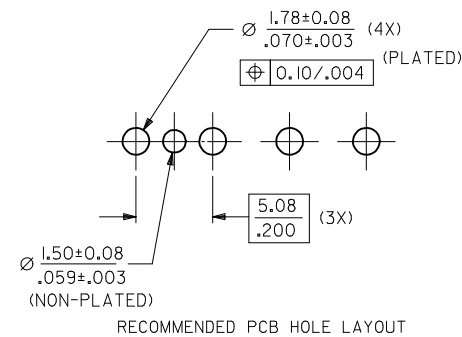
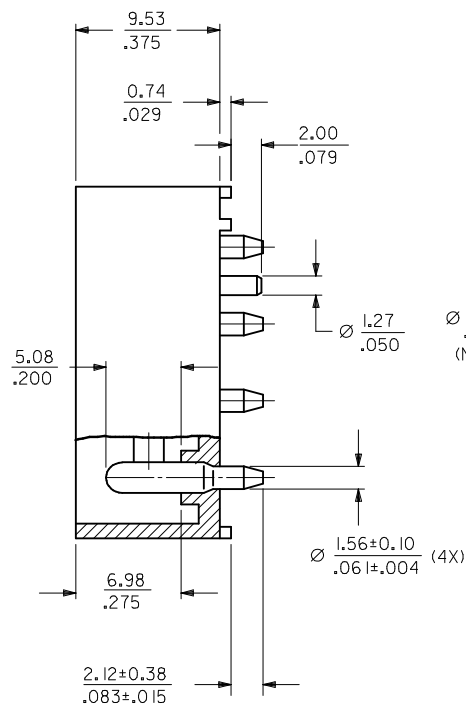
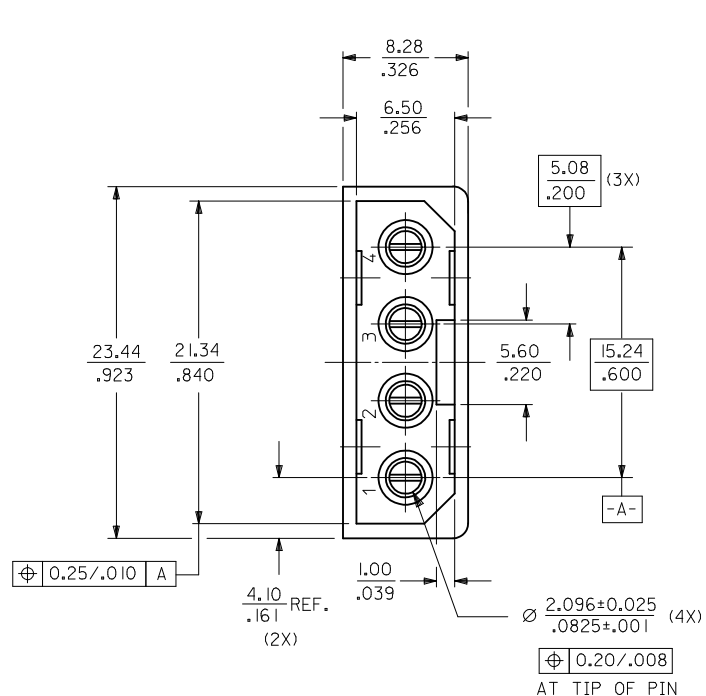
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MAT'L NO.

ENG NO.

15-24-4742

A-8981-4V6-LF



## NOTES :

1. PLATING  
POSTPLATE 0.00254/.000100 MIN. TIN  
OVER 0.00127/.000050 MIN. NICKEL OVERALL.
2. PART TO MATE WITH HOUSING 8981-4P2  
AND TERMINAL 8980-3\*.
3. PRODUCT SPEC PS-8981-4V4/4R1-P APPLIES.
4. MATERIAL:  
HOUSING - PCT, GLASS FILLED, UL94V-0  
COLOR BLACK  
TERMINAL - PHOS BRONZE

ADD CKT INDICATION  
EC NO: S2009-0836  
DRWN:SKANG  
CHKD:ATSEE  
APPR:MLONG

QUALITY SYMBOLS  
=0  
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

|          | mm         | INCH       |
|----------|------------|------------|
| 4 PLACES | $\pm$ ---  | $\pm$ ---  |
| 3 PLACES | $\pm$ ---  | $\pm$ .008 |
| 2 PLACES | $\pm$ 0.20 | $\pm$ ---  |
| 1 PLACE  | $\pm$ ---  | $\pm$ ---  |

ANGULAR  $\pm 3^\circ$

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

DIMENSION STYLE  
MM/IN

| DRAWN BY    | DATE       |
|-------------|------------|
| SKTOH       | 1991/10/17 |
| CHECKED BY  | DATE       |
| GWANG       | 1991/11/14 |
| APPROVED BY | DATE       |
| RWONG       | 1991/11/14 |

MATERIAL NO.  
SEE TABLE

SCALE  
NTS

DESIGN UNITS  
METRIC

THIRD ANGLE PROJECTION

TITLE  
POWER CONNECTOR, 4 CKTS  
VERTICAL MOUNT

MOLEX INCORPORATED

DOCUMENT NO.  
SD-8981-4V6

SHEET NO.  
1 OF 1

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