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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](#) [Product Specification PS-8981-4V4/4R1-P \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

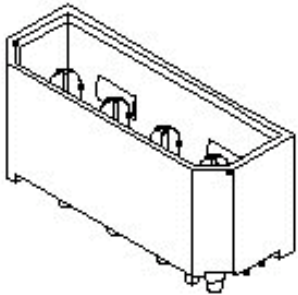
CSA LR19980
UL E29179

General

Product Family PCB Headers
Series [8981](#)
Application Wire-to-Board
Overview [Disk Drive Power Connector](#)
Product Name Disk Drive Power

Physical

Breakaway No
Circuits (Loaded) 4
Circuits (maximum) 4
Color - Resin Black
Durability (mating cycles max) 25
First Mate / Last Break No
Flammability 94V-0
Glow-Wire Compliant No
Guide to Mating Part No
Keying to Mating Part None
Lock to Mating Part Yes
Mated Height (in) 0.944 In
Mated Height (mm) 23.99 mm
Material - Metal Phosphor Bronze
Material - Plating Mating Tin
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Number of Rows 1
Orientation Vertical
PC Tail Length (in) 0.083 In
PC Tail Length (mm) 2.12 mm
PCB Locator Yes
PCB Retention None
PCB Thickness Recommended (in) 0.062 In
PCB Thickness Recommended (mm) 1.60 mm
Packaging Type Tray
Pitch - Mating Interface (in) 0.200 In
Pitch - Mating Interface (mm) 5.08 mm
Plating min: Mating (µin) 101.6
Plating min: Mating (µm) 2.54
Plating min: Termination (µin) 101.6
Plating min: Termination (µm) 2.54
Polarized to Mating Part Yes
Polarized to PCB Yes



Series

image - Reference only

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

[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
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Reference - Drawing Numbers

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

This document was generated on 04/05/2010

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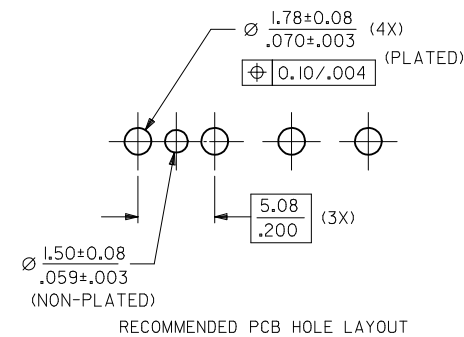
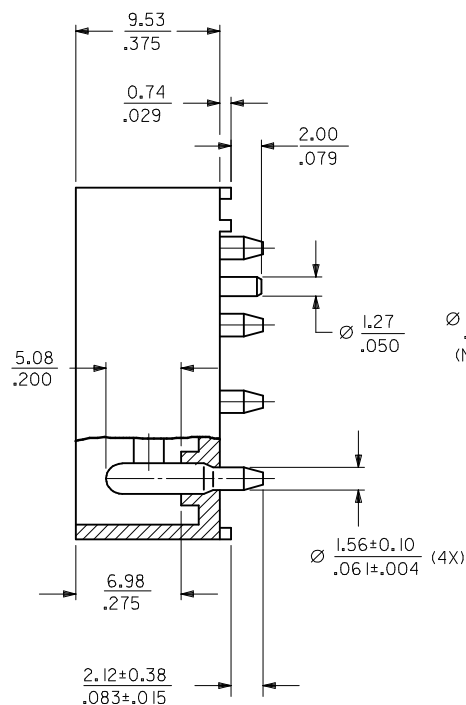
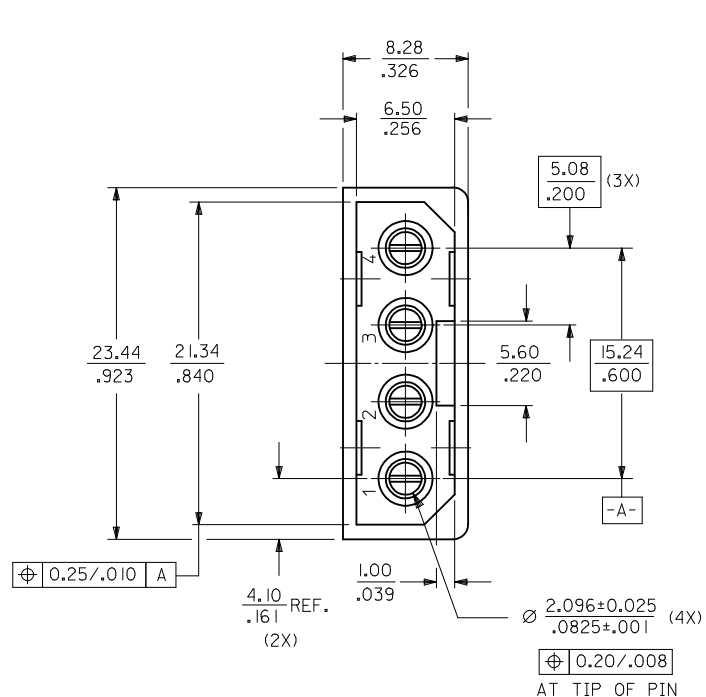
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MAT'L NO.

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
REV
D1

QUALITY
SYMBOLS
=0
=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .008
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---

ANGULAR ± 3 °

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

SIZE
A3

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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