

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0015244449](#)
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, 3.60mm (.140") PC Tail Length, without PCB Locator Peg

Documents:

3D Model	Product Specification PS-8981-4V* (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

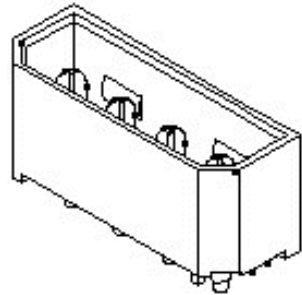
CSA	LR19980
TUV	R9551091
UL	E29179

General

Product Family	PCB Headers
Series	8981
Application	Wire-to-Board
MolexKits	Yes
Overview	disk_drive_power_connector
Product Name	Disk Drive Power

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Natural
Durability (mating cycles max)	50
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
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.142 In
PC Tail Length (mm)	3.60 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Bag
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	No



Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: No
Halogen-Free
Status

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](#) Disk Drive Power Connection
System Female Crimp Housing

Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds)	5
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-8981-4V-LF
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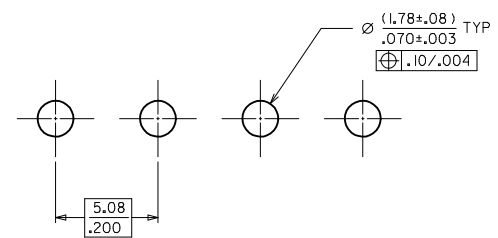
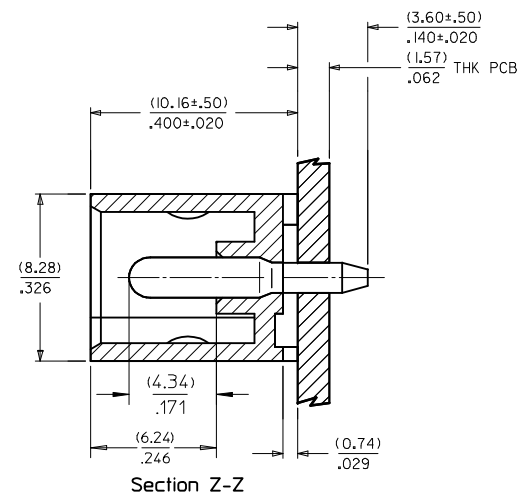
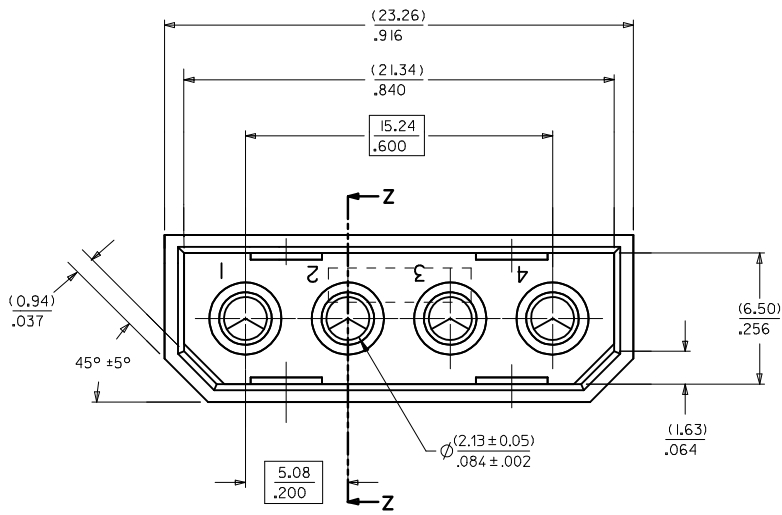
Reference - Drawing Numbers

Product Specification	PS-8981-4V*
Sales Drawing	SDA-8981-4V

This document was generated on 06/07/2010

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MAT'L NO.	ENG NO.
15-24-4449	A-8981-4V-LF



NOTES:

- PART TO MATE WITH HOUSING 8981-4P AND TERMINAL 8980-3*.
- PRODUCT SPEC. PS -8981-4V* APPLIES

MATERIAL :

HOUSING : NYLON 6/6, UNFILLED, 94V-2, COLOR - BEIGE.
 TERMINAL : PHOSPHOR BRONZE, C51000
 PLATING : POSTPLATE (0.00254)/.000100 MIN. TIN OVER
 (0.00127)/.000050 MIN. NICKEL OVERALL

RECOMMENDED P C B HOLE LAYOUT

QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM/IN		NTS	METRIC		
				mm	INCH	DRAWN BY	DATE	TITLE	
				4 PLACES	± ---	TAY	1989/05/26	HEADER, 4 CKTS VERTICAL MOUNT	
				3 PLACES	± ---	CHECKED BY	DATE		
				2 PLACES	± 0.20	NK	1989/05/26		
				1 PLACE	± ---	APPROVED BY	DATE		
				ANGULAR ± 3 °		AB	1989/05/26		
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.			
						SEE TABLE		MOLEX INCORPORATED	
						DOCUMENT NO.			
						SDA-8981-4V			
						SHEET NO.			
						1 OF 1			