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Part Number: [0015244441](#)
Status: **Active**
Overview: [disk drive power connector](#)
Description: 5.08mm (.200") Pitch Disk Drive Power Connection System Header, Right Angle, Through Hole, 4 Circuits, Lead-free, 3.56mm (.140") PC Tail Length, with PCB Locator Peg

Documents:

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

Agency Certification

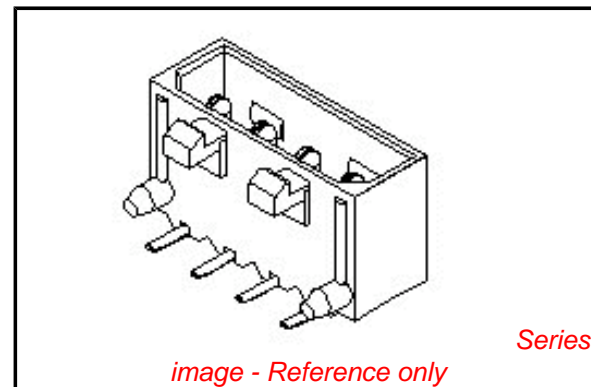
CSA LR19980
 UL E29179

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 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 Right Angle
 PC Tail Length (in) 0.140 In
 PC Tail Length (mm) 3.56 mm
 PCB Locator Yes
 PCB Retention Yes
 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
 Shrouded Fully



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

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	6.5A
Voltage - Maximum	250V

Solder Process Data

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	265

Material Info

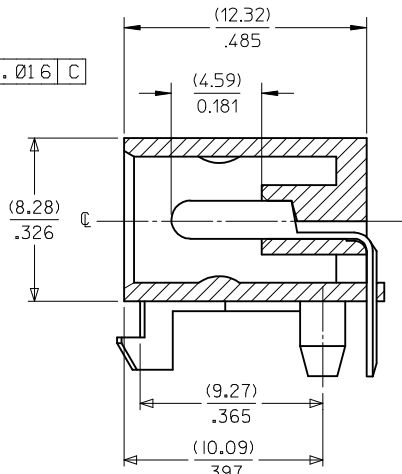
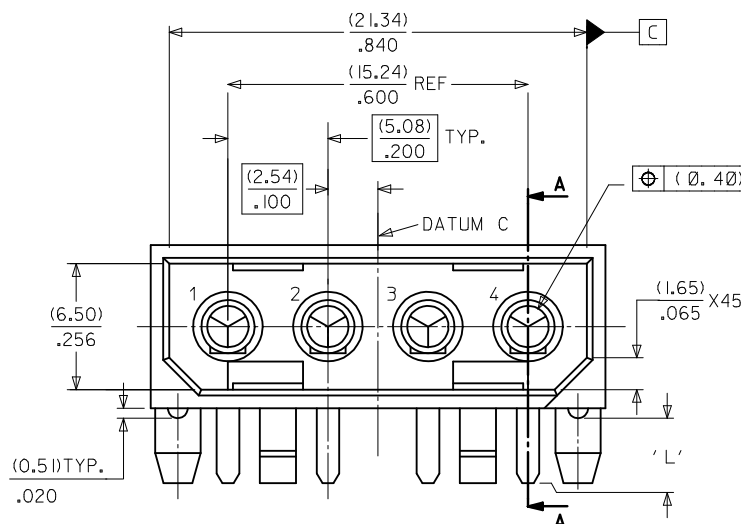
Old Part Number	A-8981-4R-1-LF
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Reference - Drawing Numbers

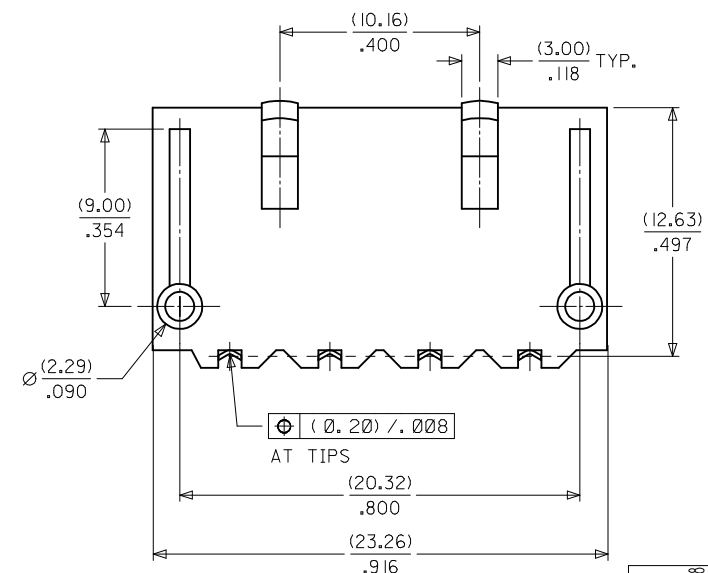
Product Specification	PS-8981-4V*
Sales Drawing	SD-8981-4R1

This document was generated on 05/24/2010

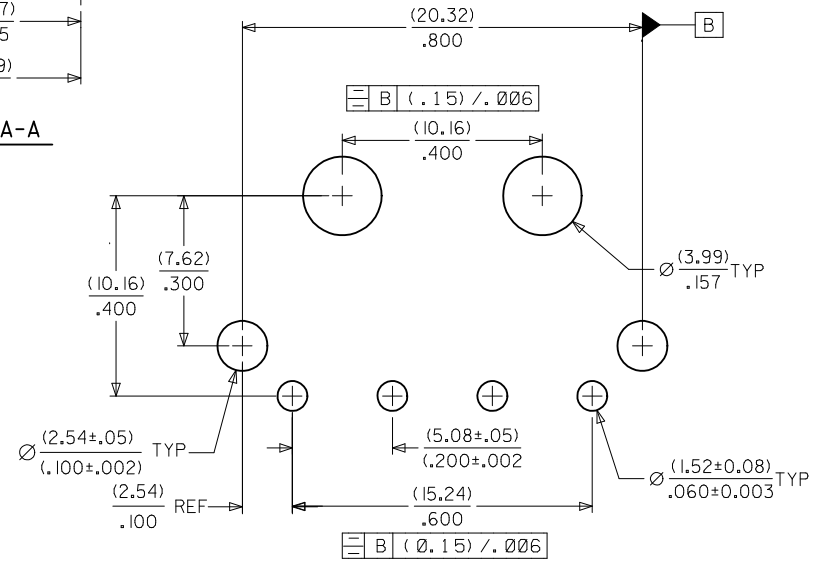
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SECT A-A



- NOTES:
- 1) MATERIAL
 HOUSING - NYLON 6/6, UNFILLED, UL94V-2, COLOR: BEIGE
 TERMINAL - PHOSPHOR BRONZE
 PLATING - POSTPLATE(0.00254)/.000100 MIN.
 TIN OVER (0.00127)/.000050 MIN.
 NICKEL OVERALL.
 - 2) PART INTENDED TO MATE WITH HOUSING 8981-4P AND TERMINAL 8980-3*
 - 3) PRODUCT SPEC PS-8981-4V* APPLIES.



RECOMMENDED P.C. BOARD LAYOUT (TOL. +/- (.13)/.005)

MAT'L NO.	ENG. NO.	'L'
A-8981-4R-1-LF	15-24-4441	(3.56)/.140

ADD CKT INDICATION EC NO: S2009-0836 DRWN:SKANG CHKD:ATSEE APPR:MLONG	2009/05/08	2009/05/08	2009/05/11
	DESCRIPTION		
	QUALITY SYMBOLS	$\nabla=0$ $\square=0$	
	REV	C2	

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		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM/IN		NTS	INCH	
DRAWN BY	DATE	TITLE		
GRXIE	2001/05/02	HEADER, 4 CKTS RIGHT ANGLE MOUNT		
CHECKED BY	DATE			
KCL ING	2001/05/02			
APPROVED BY	DATE			
SKTOH	2001/05/03			
MATERIAL NO.	SEE TABLE	DOCUMENT NO.		
		SD-8981-4R1		
SIZE	A3	SHEET NO.		
		1 OF 1		

MATERIAL NO.		DOCUMENT NO.		SHEET NO.
SEE TABLE		SD-8981-4R1		1 OF 1
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