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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

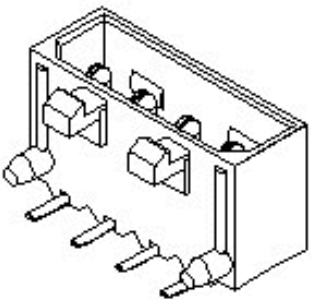


image - Reference only

Series

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

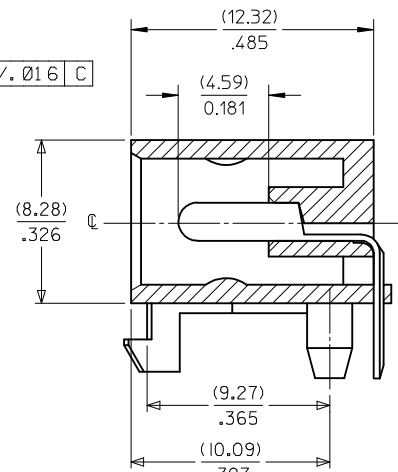
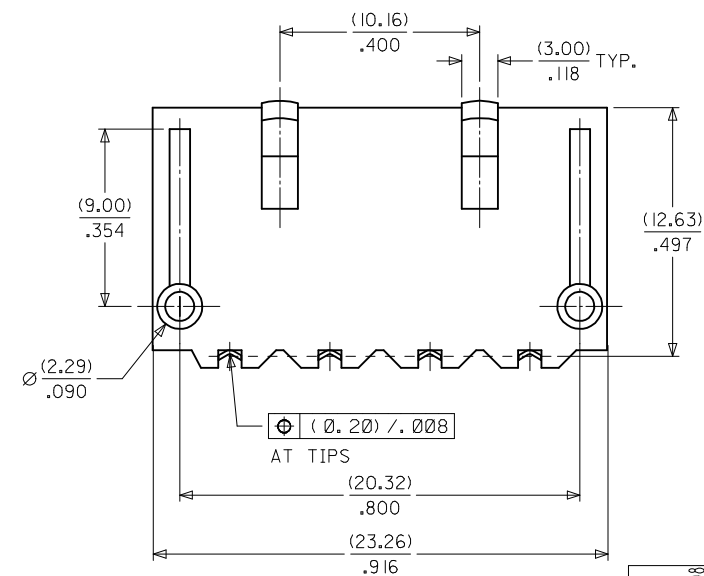
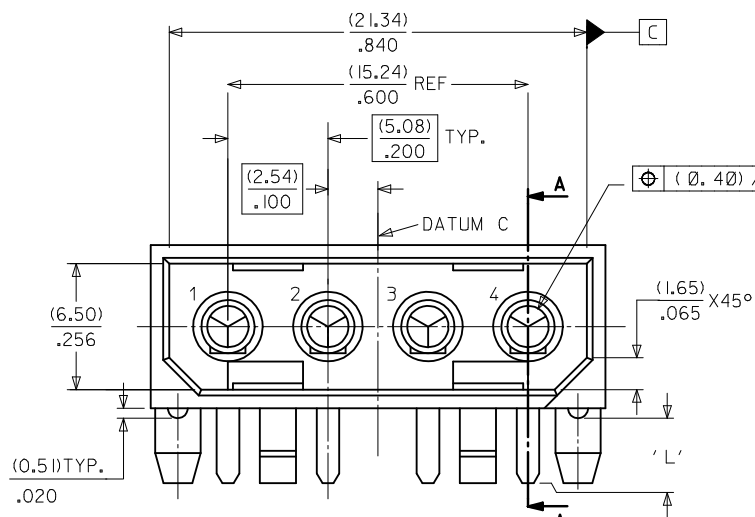
Search Parts in this Series
[8981Series](#)

Mates With
[15244048](#) 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
Reference - Drawing Numbers	
Product Specification	PS-8981-4V*
Sales Drawing	SD-8981-4R1

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SECTION A-A

NOTES:

1) MATERIAL

HOUSING - NYLON 6/6, UNFILLED, UL94V-2, COLOR: BEIGE

TERMINAL - PHOSPHOR BRONZE

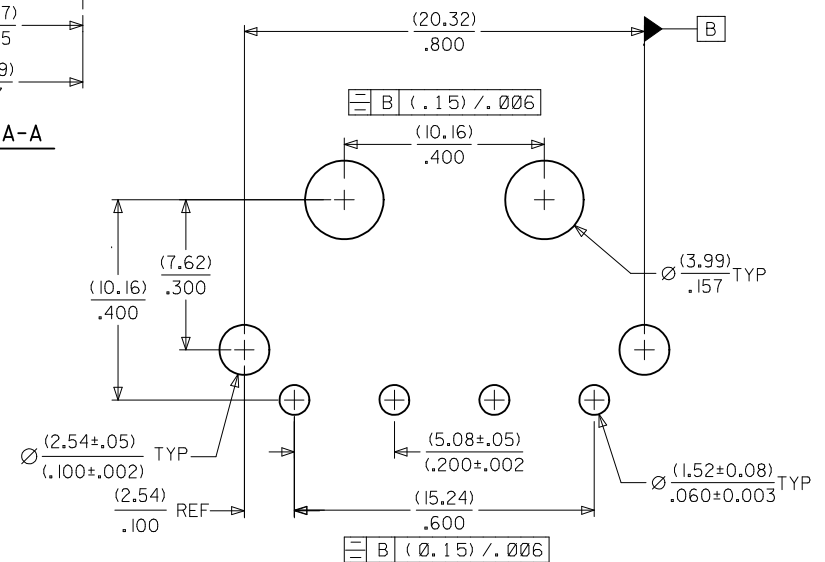
PLATING - POSTPLATE (0.00254)/.000100 MIN.

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

tb_frame_A3_P_AM_T
Rev. E 2006/04/15

ADD CKT INDICATION			
EC NO: S2009-0836	2009/05/08	2009/05/08	2009/05/11
DRWN:SKANG	2009/05/08	2009/05/08	2009/05/11
CHKD:ATSEE	2009/05/08	2009/05/08	2009/05/11
APPR:MLONG	2009/05/11	2009/05/11	2009/05/11
DESCRIPTION			
C2			

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
GRXIE	2001/05/02
CHECKED BY	DATE
KCLING	2001/05/02
APPROVED BY	DATE
SKTOH	2001/05/03
MATERIAL NO.	
SEE TABLE	
SIZE A3	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
NTS	INCH	THIRD ANGLE PROJECTION
HEADER, 4 CKTS RIGHT ANGLE MOUNT		
MOLEX INCORPORATED		
SD-8981-4R1		
1 OF 1		