

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0751952504

Status:

Active

Overview:

vhdm__hsd

Description:

2.00mm (.079") Pitch 6-Row VHDM® Lite Backplane Header, Left Shield End Version, 6 Row, 150 Circuits, Pin Length 5.15mm (.203")

Documents:

[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

[Product Specification PS-74031-999 \(PDF\)](#)

General

Product Family

Backplane Connectors

Series

75195

Application

Backplane

Application Tooling Documents

Tooling Manual

Comments

No Keying Position

Component Type

PCB Header

Overview

vhdm__hsd

Product Name

VHDM Lite®

Style

N/A

Physical

Circuits (Loaded)

150

Circuits (maximum)

150

Color - Resin

Black

Durability (mating cycles max)

200

First Mate / Last Break

No

Guide to Mating Part

Yes

Keying to Mating Part

None

Material - Metal

High Performance Alloy (HPA), Stainless Steel

Material - Plating Mating

Gold

Material - Plating Termination

Tin-Lead

Material - Resin

High Temperature Thermoplastic

Number of Columns

25

Number of Pairs

Open Pin Field

Number of Rows

6

Orientation

Vertical

PC Tail Length (in)

0.098 In

PC Tail Length (mm)

2.50 mm

PCB Locator

No

PCB Retention

Yes

PCB Thickness Recommended (in)

0.071 In

PCB Thickness Recommended (mm)

1.80 mm

Packaging Type

Tube

Pitch - Mating Interface (in)

0.079 In

Pitch - Mating Interface (mm)

2.00 mm

Pitch - Term. Interface (in)

0.079 In

Pitch - Term. Interface (mm)

2.00 mm

Plating min: Mating (µin)

30

Plating min: Mating (µm)

0.75

Plating min: Termination (µin)

30

Plating min: Termination (µm)

0.75

Polarized to PCB

No

Stackable

No

Surface Mount Compatible (SMC)

Yes

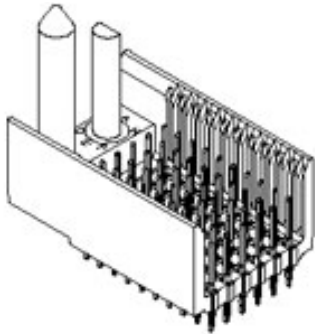


image - Reference only

Series

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Reviewed

China RoHS



Pb

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

75195Series

Mates With

75189 VHDM® Lite Board-to-Board Daughtercard

Use With

Daughtercard Modules

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

Description	Product #
VHDM® Signal Pin	0622015700
Insertor Repair Tool	
VHDM® Insertion	0622020208
Module for Standard Shield Signal Header, 6 Row by	

Temperature Range - Operating	105°C	25 Wide, 50.00mm
Termination Interface: Style	Through Hole - Compliant Pin	(1.97")

Electrical

Current - Maximum per Contact	2A
Data Rate	622.0 Mbps
Real Signals (per 25mm)	76
Shielded	No
Voltage - Maximum	120V AC (RMS)/DC

Material Info

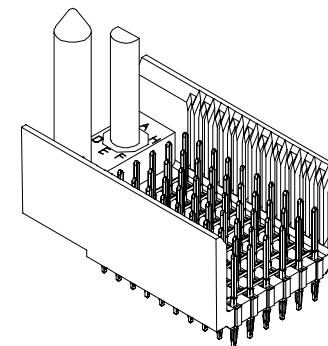
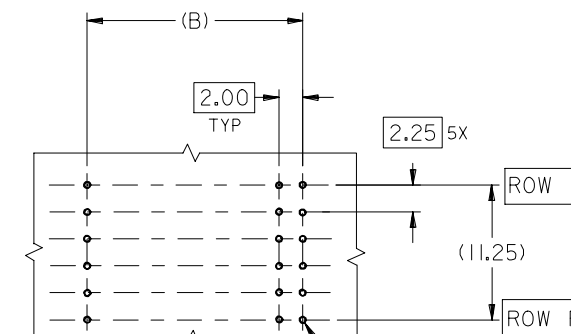
Reference - Drawing Numbers

Product Specification	PS-74031-999
Sales Drawing	SD-75195-001

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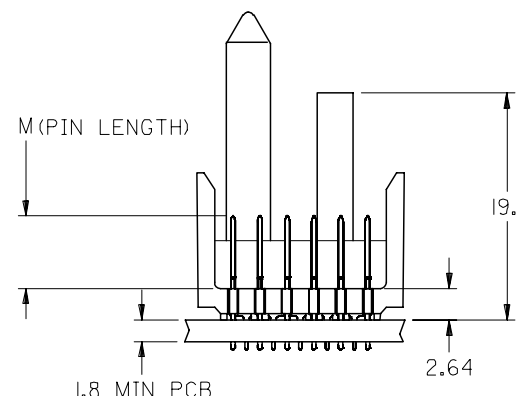
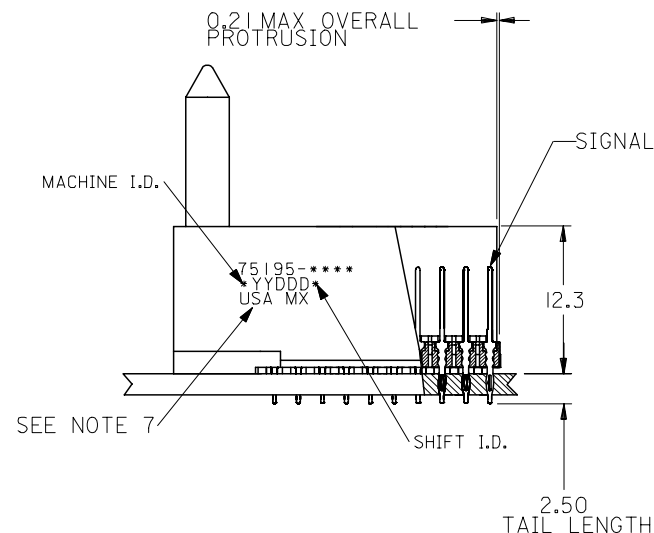


BACKPLANE HOLE PATTERN
RECOMMENDED DIMENSIONS

Ø0.56 ±0.05 PTH
Ø0.66 DRILL
Ø1.00 PAD
⌀ Ø0.10

NOTES:

1. MATERIALS:
HOUSING - LIQUID CRYSTAL POLYMER (LCP),
GLASS-FILLED, UL 94V-0, COLOR: BLACK
SIGNAL PIN - COPPER ALLOY
2. FINISHES:
CONTACT AREA: SELECTIVE GOLD (Au)
PCB TAILS: SELECTIVE TIN/LEAD (Sn/Pb)
OR SELECTIVE MATTE TIN (Sn)
NICKEL (Ni) OVERALL.
3. THIS PART CONFORMS TO MOLEX PRODUCT
SPECIFICATION PS-74031-999
4. FOR MIXED CONTACT LENGTHS CONSULT
MOLEX FOR AVAILABILITY
5. FOR SPECIFIC MATERIAL NUMBERS & MATING
INFORMATION REFER TO SHEET 2
6. PACKAGE PER PK-74058-003
7. EITHER MARK PART WITH PART NUMBER & DATE
CODE APPROXIMATELY WHERE SHOWN OR PLACE
LABEL ON THE TUBE.



ADD LEADFREE PINS EC NO: UCP2006-0059 2005/07/13 DRINKMULVEY 2005/07/13 CHKD: 2005/07/15 APPR: SREED	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2.5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY MBANDURA	DATE 2003/01/06	TITLE VHDM LITE 6 ROW SIGNAL END BACKPLANE SALES ASSEMBLY			
			4 PLACES	± ---	± ---	CHECKED BY NMARTIN	DATE 2003/01/06				
			3 PLACES	± ---	± ---						
			2 PLACES	± ---	± ---						
			1 PLACE	± ---	± ---	APPROVED BY CBIXLER	DATE 2003/01/06	 MOLEX INCORPORATED			
			ANGULAR ±1/2°			MATERIAL NO.	DOCUMENT NO.		SHEET NO. 1 OF 2		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE SHEET 2 SD-75195-001					
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



M/N
75195-()

KEYING PIN
ORIENTATION

***0*	***1*	***2*	***3*	***4*	***5*	***6*	***7*	***8*
O	A	B	C	D	E	F	G	H

75195 * * * *

COLUMN/PLATING
10 = 10 COLUMN TIN/LEAD
25 = 25 COLUMN TIN/LEAD
90 = 10 COLUMN MATTE TIN
85 = 25 COLUMN MATTE TIN

CONTACT LOAD
(PIN HEIGHT)
1 = 4.75
2 = 6.25
3 = 4.25
4 = 5.15

PART NUMBER	COLUMN	NUMBER OF SIGNAL PIN	NUMBER OF SHIELD	A	B	M	Au (um) THICKNESS	Sn (um) THICKNESS
75195-*0*1	10	60	0	27.00	18.00	4.75	0.76	0.76-1.52

75195-*5*1	25	150	0	57.00	48.00	4.75	0.76	

75195-*0*2	10	60	0	27.00	18.00	6.25	0.76	

75195-*5*2	25	150	0	57.00	48.00	6.25	0.76	

75195-*0*3	10	60	0	27.00	18.00	4.25	0.76	

75195-*5*3	25	150	0	57.00	48.00	4.25	0.76	

75195-*0*4	10	60	0	27.00	18.00	5.15	0.76	

75195-*5*4	25	150	0	57.00	48.00	5.15	0.76	

SEE SHEET 1 EC NO: UCP2006-0059 IDRWK/MULVEY 2005/07/13 CHKD: 2005/07/13 APPR: SREED 2005/07/15	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION				
				MM ONLY		2.5:1	METRIC	◎ □				
				mm	INCH	DRAWN BY	DATE	TITLE				
				4 PLACES	± --- ± ---	MBANDURA	2003/01/06	VHDM LITE 6 ROW SIGNAL END BACKPLANE SALES ASSEMBLY				
				3 PLACES	± --- ± ---	CHECKED BY	DATE					
				2 PLACES	± --- ± ---	NMARTIN	2003/01/06	MOLEX INCORPORATED				
1 PLACE	± --- ± ---	APPROVED BY	DATE									
ANGULAR ±1/2°		CBIXLER	2003/01/06	MOLEX								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.			SHEET NO.					
		SEE CHART		SD-75195-001			2 OF 2					
REV		SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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