

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0751972503

Status:

Active

Overview:

vhdm__hsd

Description:

2.00mm (.079") Pitch VHDM® Lite Board-to-Board Backplane Header, Vertical, 8-Row, Open Signal Module, 200 circuits, Pin Length 4.25mm (.167")

Documents:

Drawing (PDF)

Product Specification PS-74031-999 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Application Tooling Documents

Comments

Component Type

Overview

Product Name

Style

Backplane Connectors

75197

Backplane

Tooling Manual

Open Header

PCB Header

vhdm__hsd

VHDM Lite®

N/A

Physical

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Guide to Mating Part

Keying to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Columns

Number of Pairs

Number of Rows

Orientation

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to PCB

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

200

200

Black

200

No

No

None

High Performance Alloy (HPA)

Gold

Tin-Lead

High Temperature Thermoplastic

25

Open Pin Field

8

Vertical

Yes

0.070 In

1.80 mm

Tube

0.079 In

2.00 mm

30

0.75

30

0.75

Yes

Yes

Yes

-55°C to +105°C

Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact

1A

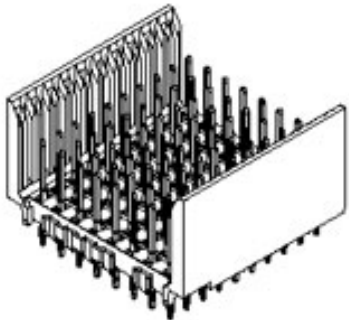


image - Reference only

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

75197Series

Mates With

75191 VHDM® Lite-Series 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	0622020210
Module for Standard Shield Signal Header, 8 Row by	

Data Rate622.0 Mbps
Real Signals (per 25mm)72
Voltage - Maximum120V AC (RMS)/DC

25 Wide, 50.00mm
(1.97")

Material Info

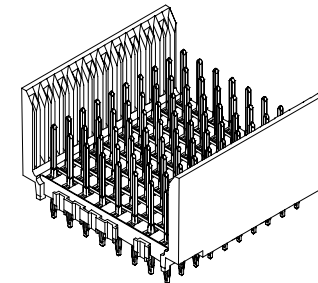
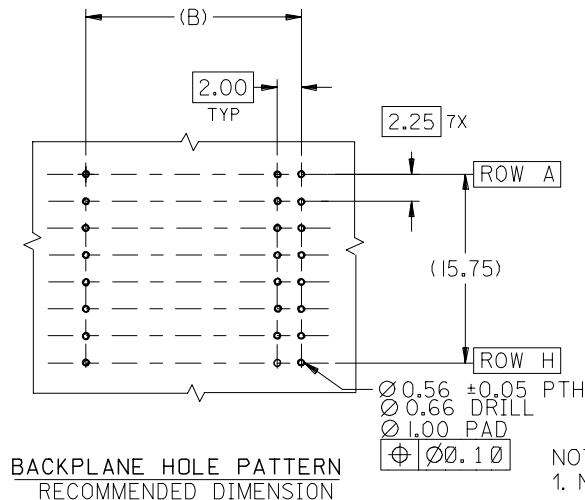
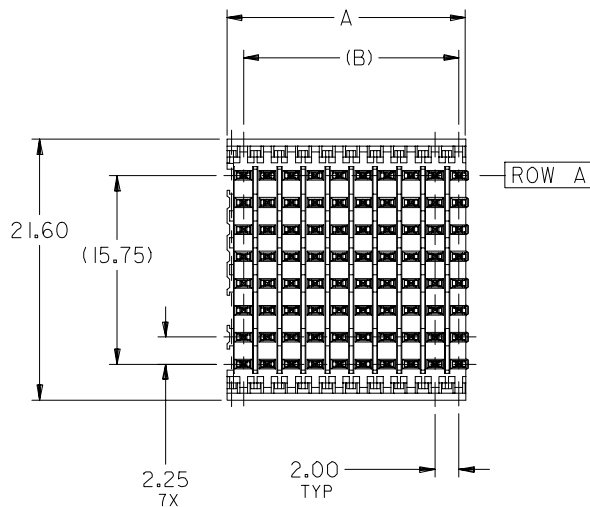
Reference - Drawing Numbers

Packaging SpecificationPK-74060-003
Product SpecificationPS-74031-999
Sales DrawingSD-75197-001

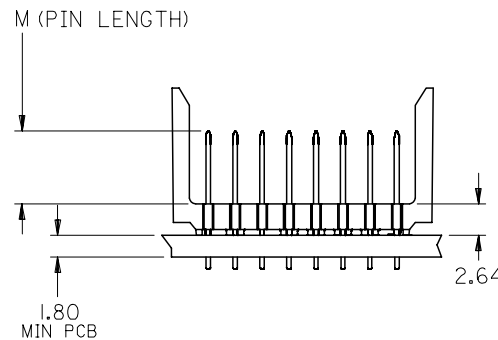
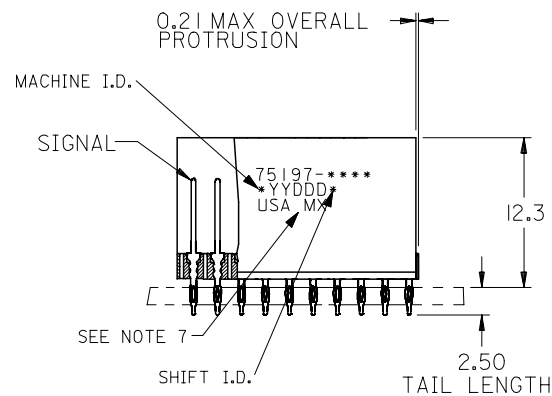
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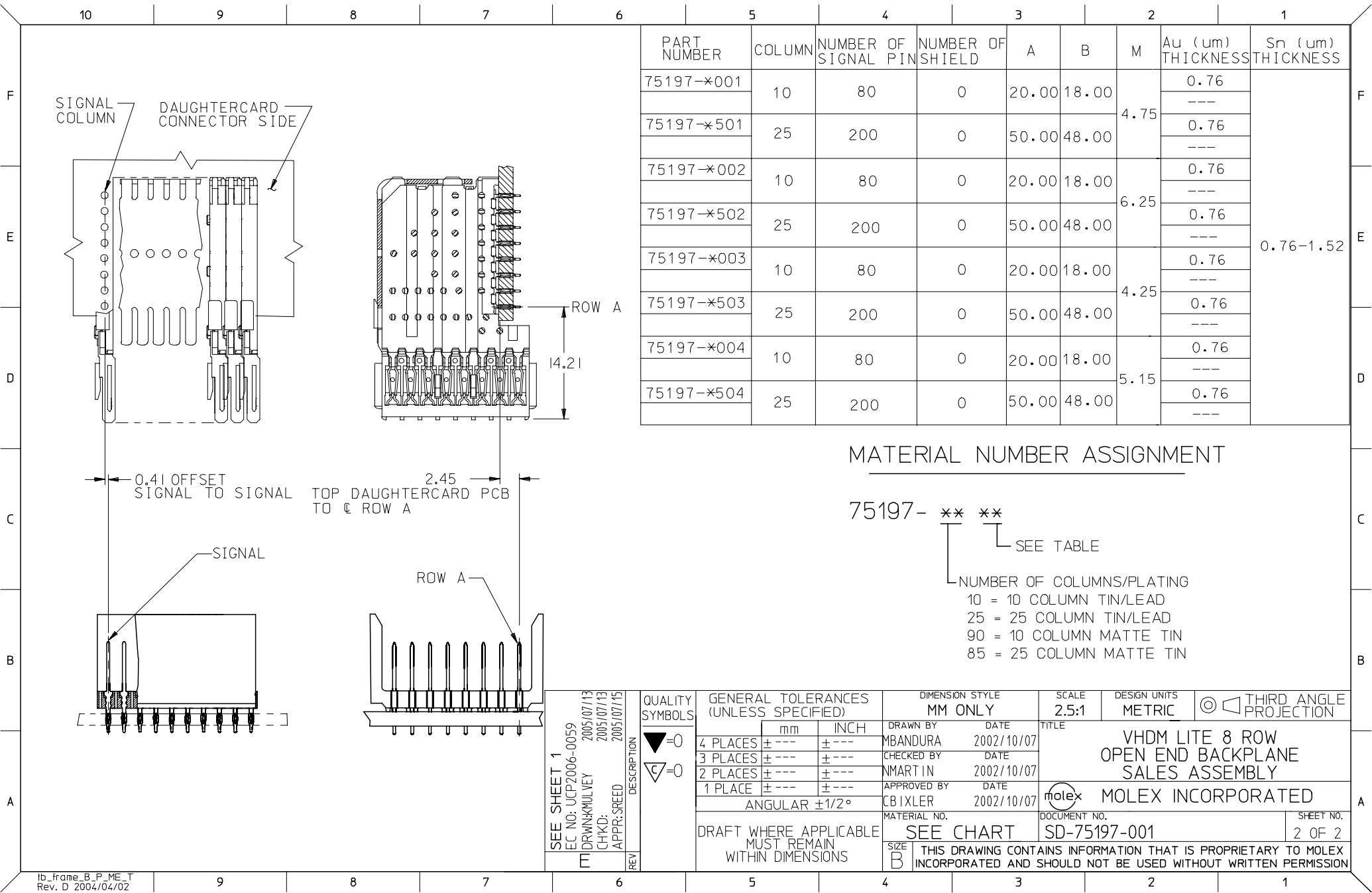
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- NOTES:
1. MATERIALS:
HOUSING - LIQUID CRYSTAL POLYMER (LCP),
GLASS-FILLED, UL 94V-0, COLOR: BLACK
SIGNAL PIN - COPPER ALLOY
 2. FINISHES:
CONTACT AREA: SELECTIVE GOLD (Au)
PCB TAILS: SELECTIVE TIN/LEAD (Sn/Pb)
OR SELECTIVE MATTE TIN (Sn)
NICKEL (Ni) 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-74060-003
 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 IDRWK/MULVEY 2005/07/13 CHKD: 2005/07/13 APPR: SREED 2005/07/15	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2.5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
					DRAWN BY DATE		TITLE		
			mm INCH		MBANDURA 2002/10/07		VHDM LITE 8 ROW OPEN END BACKPLANE SALES ASSEMBLY		
			4 PLACES ± --- ± ---		CHECKED BY DATE				
			3 PLACES ± --- ± ---		NMARTIN 2002/10/07				
			2 PLACES ± --- ± ---		APPROVED BY DATE				
			1 PLACE ± --- ± ---		CBIXLER 2002/10/07		MOLEX INCORPORATED		
			ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		
					SEE SHEET 2		SD-75197-001		
					SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
DESCRIPTION REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							SHEET NO. 1 OF 2	



PART NUMBER	COLUMN	NUMBER OF SIGNAL PIN	NUMBER OF SHIELD	A	B	M	Au (um) THICKNESS	Sn (um) THICKNESS
75197-*001	10	80	0	20.00	18.00	4.75	0.76	0.76-1.52
75197-*501	25	200	0	50.00	48.00		0.76	

75197-*002	10	80	0	20.00	18.00	6.25	0.76	
75197-*502	25	200	0	50.00	48.00		0.76	

75197-*003	10	80	0	20.00	18.00	4.25	0.76	
75197-*503	25	200	0	50.00	48.00		0.76	

75197-*004	10	80	0	20.00	18.00	5.15	0.76	
75197-*504	25	200	0	50.00	48.00		0.76	

MATERIAL NUMBER ASSIGNMENT

75197- ** **
SEE TABLE
NUMBER OF COLUMNS/PLATING
10 = 10 COLUMN TIN/LEAD
25 = 25 COLUMN TIN/LEAD
90 = 10 COLUMN MATTE TIN
85 = 25 COLUMN MATTE TIN

SEE SHEET 1 EC NO: UCP2006-0059 IDRINKMULVEY 2005/07/13 CHKD: 2005/07/13 APPR: SREED 2005/07/15 REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2.5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		 =0  =0		mm	INCH	DRAWN BY MBANDURA	DATE 2002/10/07	TITLE VHDM LITE 8 ROW OPEN END BACKPLANE SALES ASSEMBLY			
			4 PLACES	± ---	± ---	CHECKED BY	DATE				
			3 PLACES	± ---	± ---	NMARTIN	2002/10/07				
			2 PLACES	± ---	± ---	APPROVED BY	DATE				
			1 PLACE	± ---	± ---	CBIXLER	2002/10/07	 MOLEX INCORPORATED			
			ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-75197-001		2 OF 2		
					SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					