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Part Number: [0751951002](#)
Status: **Active**
Overview: [vhdm_hsd](#)
Description: 2.00mm (.079") Pitch 6-Row VHDM® Lite Backplane Header, Left Shield End Version, 6 Row, 60 Circuits, Pin Length 6.25mm (.246")

Documents:

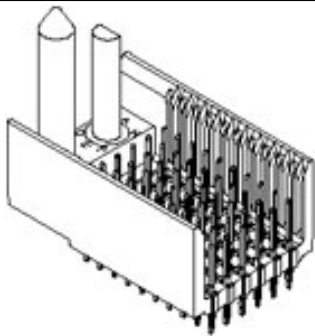
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-74031-999 \(PDF\)](#)

General

Product Family	Backplane Connectors
Series	75195
Application	Backplane
Application Tooling Documents	TM-622010999.pdf Tooling Manual
Comments	No Keying Position
Component Type	PCB Header
Overview	vhdm_hsd
Product Name	VHDM Lite®
Style	N/A

Physical

Circuits (Loaded)	60
Circuits (maximum)	60
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	10
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



Series

image - Reference only

EU RoHS

RoHS Compliant by Exemption

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

[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
Insertion Repair Tool	
VHDM® Insertion	0622020207
Module for Advanced Mate Signal Header,	

Temperature Range - Operating	105°C	6 Row by 10 Wide,
Termination Interface: Style	Through Hole - Compliant Pin	20.00mm (.787")

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

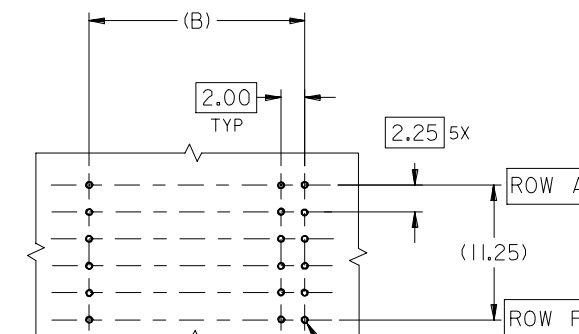
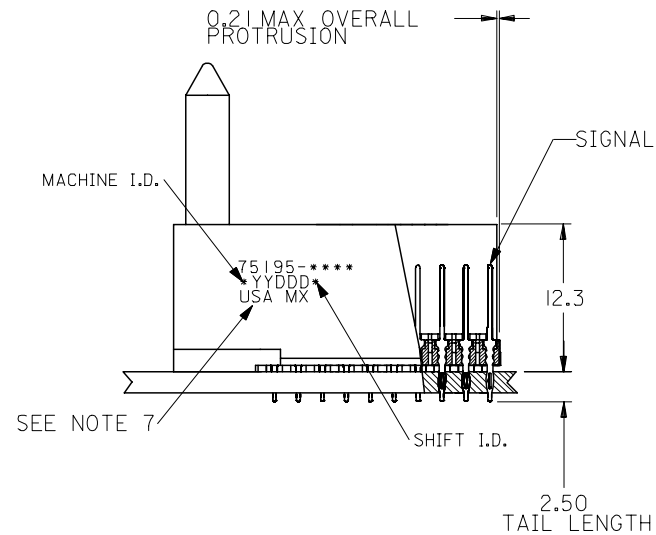
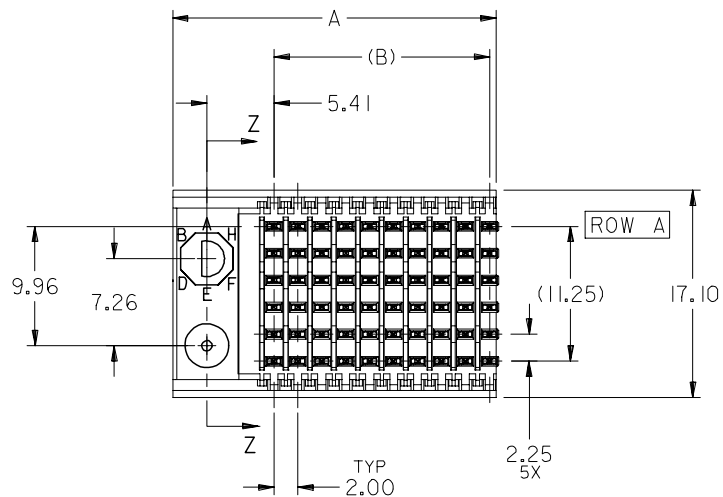
Reference - Drawing Numbers

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

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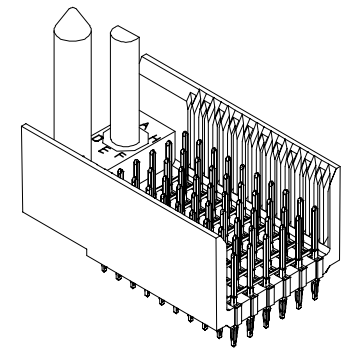


BACKPLANE HOLE PATTERN
RECOMMENDED DIMENSIONS

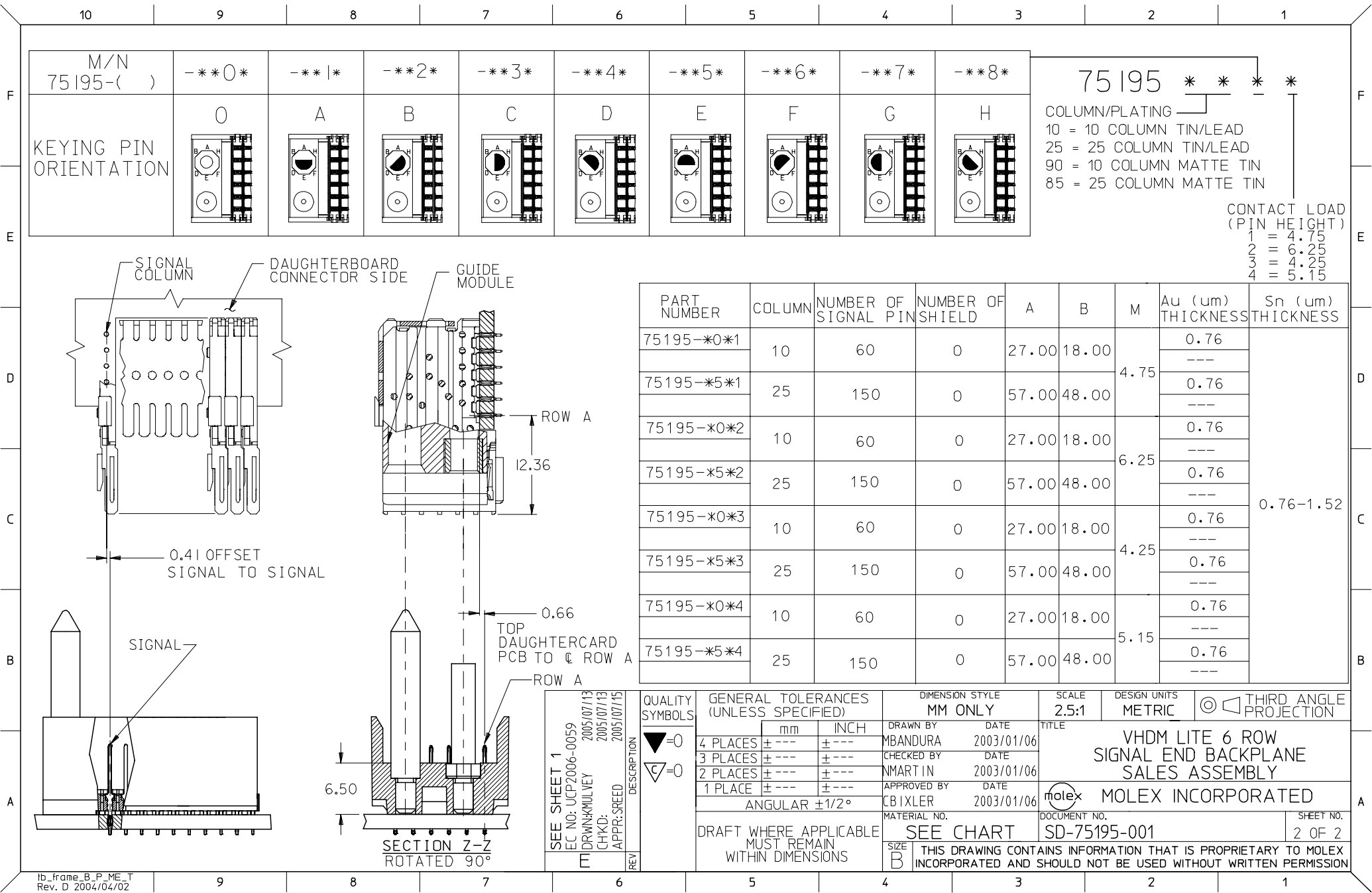
Ø0.56 ±0.05 PTH
Ø0.66 DRILL
Ø1.00 PAD
⌀ Ø0.10

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 DRAWN: KMULVEY 2005/07/13 CHKD: 2005/07/15 APPR: SREED	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION REV	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	± ---	± ---	APPROVED BY CBIXLER				DATE 2003/01/06	
			2 PLACES	± ---	± ---	 MOLEX INCORPORATED					
			1 PLACE	± ---	± ---						
			ANGULAR ±1/2°		MATERIAL NO. SEE SHEET 2					DOCUMENT NO. SD-75195-001	SHEET NO. 1 OF 2
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE B	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	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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