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Part Number:

0751949002

Status:

Active

Overview:

vhdm__hsd

Description:

2.00mm (.079") Pitch VHDM® Lite-Series, Board-to-Board Backplane Header, Vertical, 6-Row, Open Signal Module, 60 Circuits, Pin Length 6.25mm (.246")

Documents:

Drawing (PDF)

Product Specification PS-74031-999 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family	Backplane Connectors
Series	75194
Application	Backplane
Application Tooling Documents	Tooling Manual
Comments	Open Header
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	No
Keying to Mating Part	None
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
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

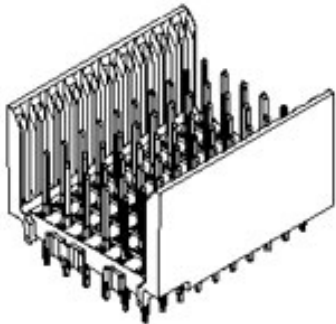


image - Reference only

Series

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Reviewed

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
75194Series

Mates With
75189 VHDM® Lite Board-to-Board Daughtercard

Use With
Daughtercard Modules

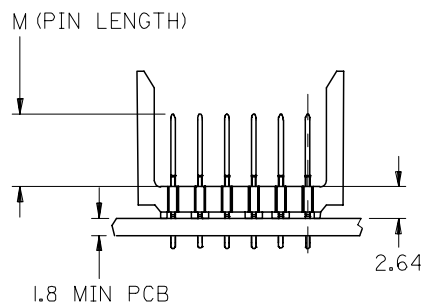
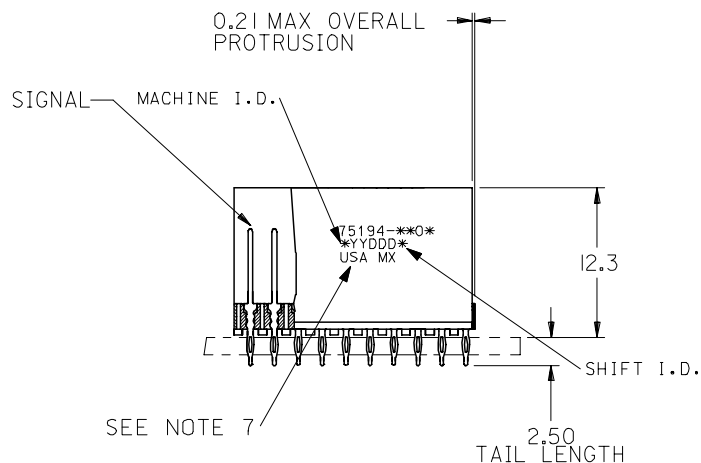
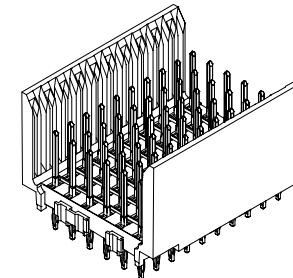
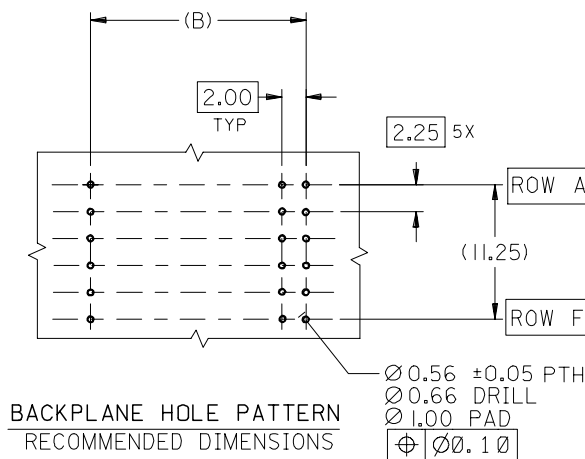
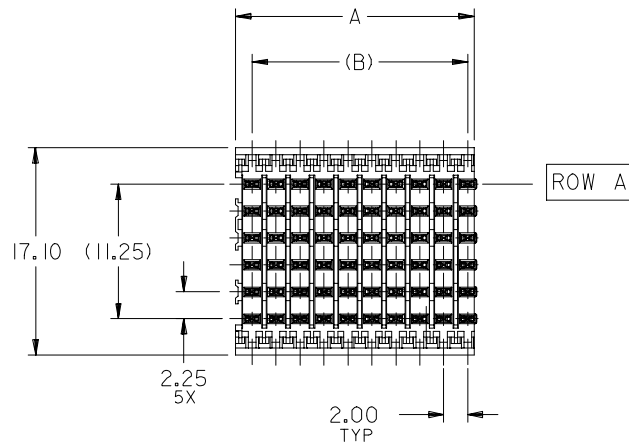
Application Tooling | [FAQ](#)
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global Description	Product #
VHDM® Signal Pin	0622015700
Insertor Repair Tool	
VHDM® Insertion	0622020207
Module for Advanced Mate Signal Header,	

Temperature Range - Operating	105°C	6 Row by 10 Wide, 20.00mm (.787")
Termination Interface: Style	Through Hole - Compliant Pin	
Electrical		
Current - Maximum per Contact	2A	
Data Rate	622.0 Mbps	
Real Signals (per 25mm)	75	
Shielded	No	
Voltage - Maximum	120V AC (RMS)/DC	
Material Info		
Reference - Drawing Numbers		
Packaging Specification	PK-74057-003	
Product Specification	PS-74031-999	
Sales Drawing	SD-75194-001	
VHDM and Very High Density Metric are trademarks of Amphenol Corporation		

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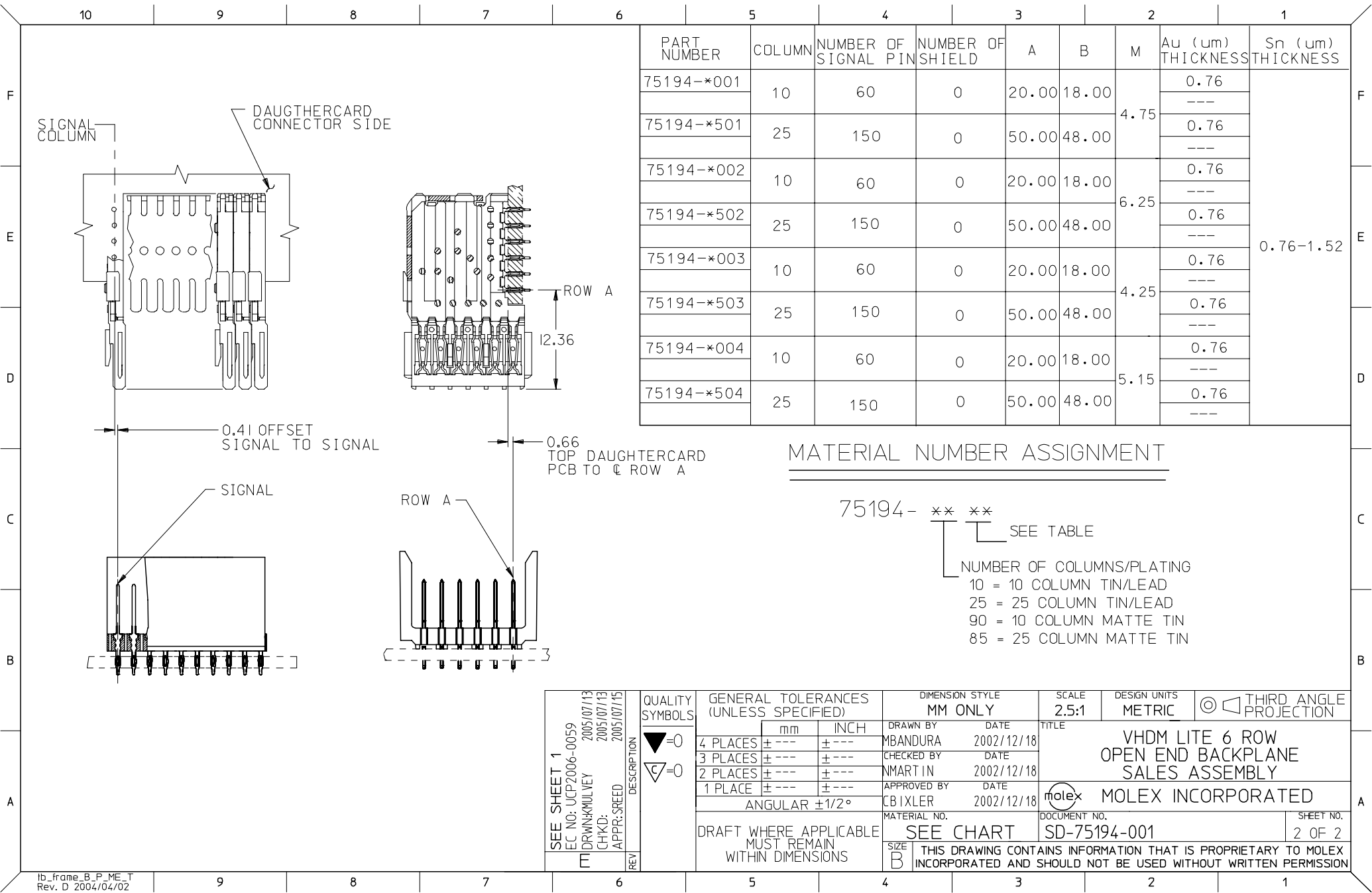
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NOTES:

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-74057-003
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 DRWNGK/MULVEY 2005/07/13 CHKD: BINGHAM 2005/07/13 APPR: SREED 2005/07/15	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 2002/12/18	TITLE VHDM LITE 6 ROW OPEN END BACKPLANE SALES ASSEMBLY	
			4 PLACES	± ---	± ---	CHECKED BY	DATE		
			3 PLACES	± ---	± ---	NMARTIN	2002/12/18		
			2 PLACES	± ---	± ---	APPROVED BY	DATE		
			1 PLACE	± ---	± ---	CBIXLER	2002/12/18	 MOLEX INCORPORATED	
			ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHT 2		SD-75194-001		
		SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



PART NUMBER	COLUMN	NUMBER OF SIGNAL PIN	NUMBER OF SHIELD	A	B	M	Au (um) THICKNESS	Sn (um) THICKNESS
75194-*001	10	60	0	20.00	18.00	4.75	0.76	0.76-1.52

75194-*501	25	150	0	50.00	48.00		0.76	

75194-*002	10	60	0	20.00	18.00	6.25	0.76	

75194-*502	25	150	0	50.00	48.00		0.76	

75194-*003	10	60	0	20.00	18.00	4.25	0.76	

75194-*503	25	150	0	50.00	48.00		0.76	

75194-*004	10	60	0	20.00	18.00	5.15	0.76	

75194-*504	25	150	0	50.00	48.00		0.76	

MATERIAL NUMBER ASSIGNMENT

75194- ** **
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 DRAWN:MULVEY 2005/07/13 CHKD: 2005/07/13 APPR: SREED 2005/07/15	DESCRIPTION	QUALITY SYMBOLS ▽=0 C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2.5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			mm	INCH	DRAWN BY	DATE	TITLE VHDM LITE 6 ROW OPEN END BACKPLANE SALES ASSEMBLY MOLEX INCORPORATED			
			4 PLACES ± ---	± ---	MBANDURA	2002/12/18				
			3 PLACES ± ---	± ---	CHECKED BY	DATE				
			2 PLACES ± ---	± ---	NMARTIN	2002/12/18				
1 PLACE ± ---	± ---	APPROVED BY	DATE	DOCUMENT NO. SD-75194-001			SHEET NO. 2 OF 2			
ANGULAR ±1/2°		CBIXLER	2002/12/18							
REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		SEE CHART					
			SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						