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Part Number: [0751991004](#)
Status: **Active**
Overview: vhdm__hsd
Description: 2.00mm (.079") Pitch 8-Row VHDM® Lite Backplane Header, Guide Pin Signal Module, Shield End Version, 80 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	75199
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)	80
Circuits (maximum)	80
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	8
Orientation	Vertical
PCB Retention	Yes
PCB Thickness Recommended (in)	0.070 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
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	Yes
Stackable	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical	
Current - Maximum per Contact	1A

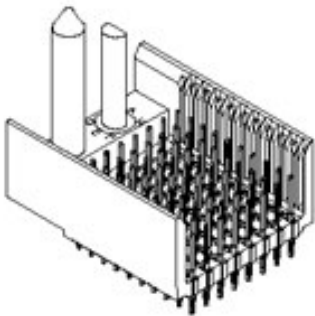


image - Reference only

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
[75199Series](#)

Mates With
[75191](#) VHDM® Lite-Series Board-to-Board Daughtercard

Use With
Daughtercard Modules

Application Tooling FAQ	
<i>Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.</i>	
Global	
Description	Product #
VHDM® Signal Pin	0622015700
Insertor Repair Tool	
VHDM® Insertion	0622020209
Module for Standard Shield Signal Header, 8 Row by	

Data Rate622.0 Mbps
Real Signals (per 25mm)76
Voltage - Maximum120V AC (RMS)/DC

10 Wide, 20.00mm
(.787")

Material Info

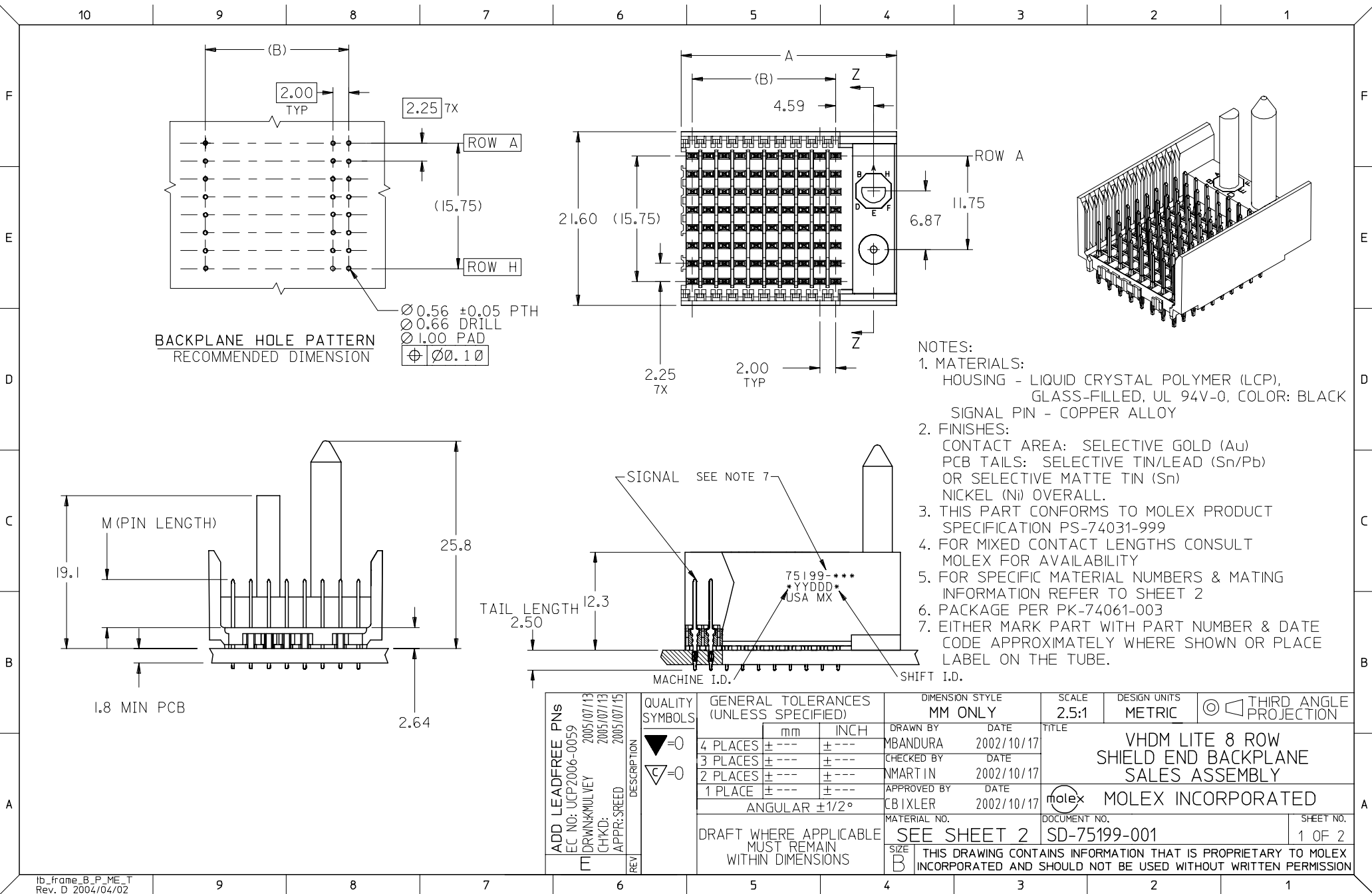
Reference - Drawing Numbers

Packaging SpecificationPK-74061-003
Product SpecificationPS-74031-999
Sales DrawingSD-75199-001

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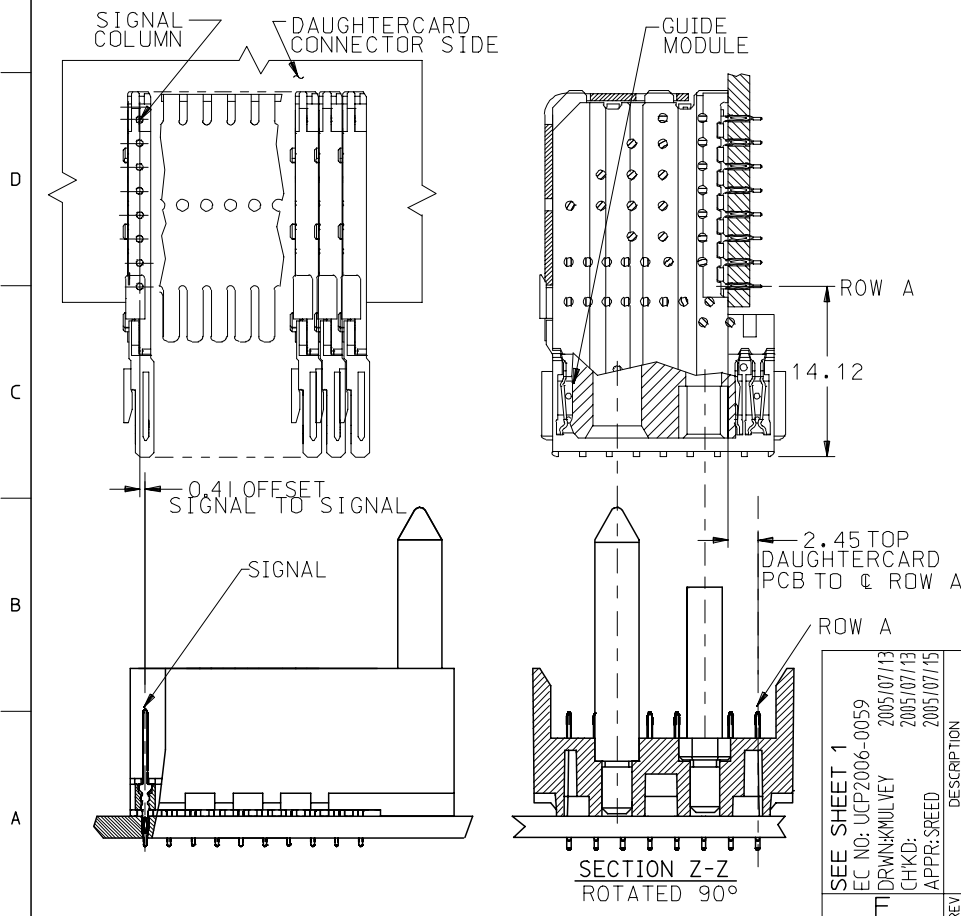
10 9 8 7 6 5 4 3 2 1

M/N 75199-()	---0*	---1*	---2*	---3*	---4*	---5*	---6*	---7*	---8*
KEYING PIN ORIENTATION	0	A	B	C	D	E	F	G	H

75199 - * * * *

NUMBER OF COLUMNS/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
75199-0*1	10	80	0	27.00	18.00	4.75	0.76	0.76-1.52
75199-5*1	25	200	0	57.00	48.00	4.75	0.76	
75199-0*2	10	80	0	27.00	18.00	6.25	0.76	
75199-5*2	25	200	0	57.00	48.00	6.25	0.76	
75199-0*3	10	80	0	27.00	18.00	4.25	0.76	
75199-5*3	25	200	0	57.00	48.00	4.25	0.76	
75199-0*4	10	80	0	27.00	18.00	5.15	0.76	
75199-5*4	25	200	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)

	mm	INCH
4 PLACES	±---	±---
3 PLACES	±---	±---
2 PLACES	±---	±---
1 PLACE	±---	±---

ANGULAR ±1/2°

DIMENSION STYLE

MM ONLY

DRAWN BY: MBANDURA 2002/10/17

CHECKED BY: NMARTIN 2002/10/17

APPROVED BY: CBIXLER 2002/10/17

MATERIAL NO.

SEE CHART

SCALE

2.5:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

VHDM LITE 8 ROW SHIELD END BACKPLANE SALES ASSEMBLY

MOLEX INCORPORATED

DOCUMENT NO.

SD-75199-001

SHEET NO.

2 OF 2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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