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Part Number: [0751969002](#)
Status: **Active**
Overview: vhdm__hsd
Description: 2.00mm (.079") Pitch 6-Row VHDM® Lite Backplane Header, Right Shield End Version, 6 Row, 60 Circuits, Pin Length 6.25mm (.246")

Documents:

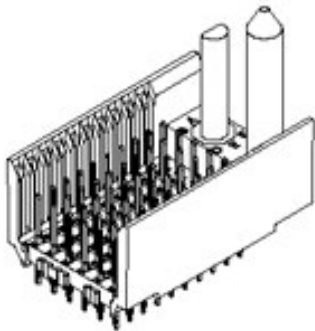
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-74031-999 \(PDF\)](#)

General

Product Family	Backplane Connectors
Series	75196
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
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

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

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

[75196Series](#)

Mates With

[75189](#) VHDM® Lite Board-to-Board
Daughtercard

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
Insert Repair Tool	
VHDM® Insertion	0622020207
Module for Advanced Mate Signal Header, 6 Row by 10 Wide, 20.00mm (.787")	

Temperature Range - Operating

Termination Interface: Style

105°C

Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact

Data Rate

Real Signals (per 25mm)

Shielded

Voltage - Maximum

1A

622.0 Mbps

75

No

120V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Product Specification

Sales Drawing

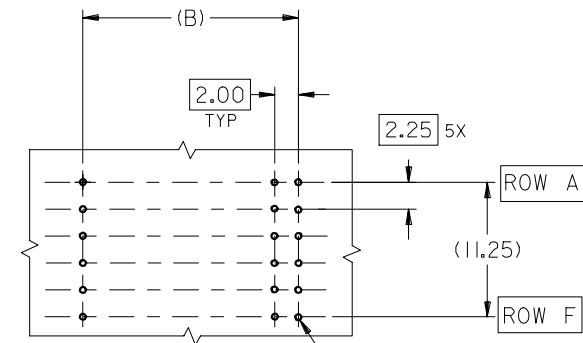
PS-74031-999

SD-75196-001

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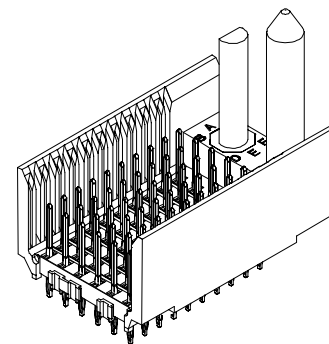
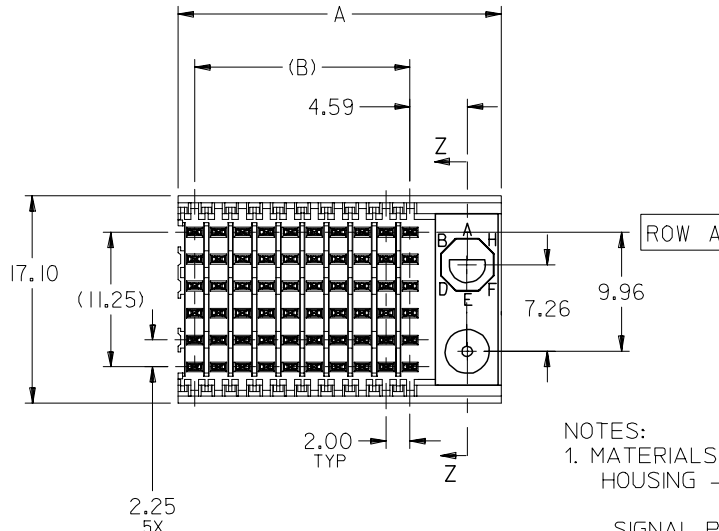
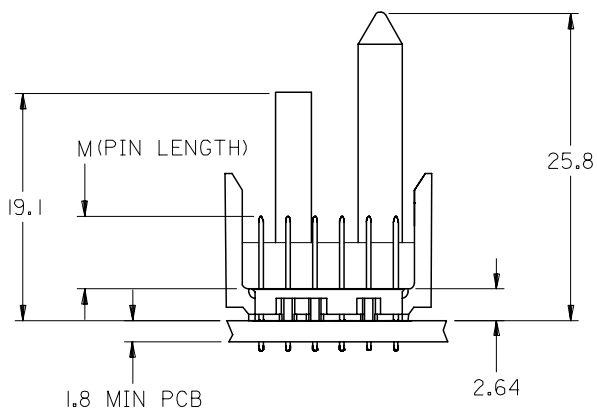
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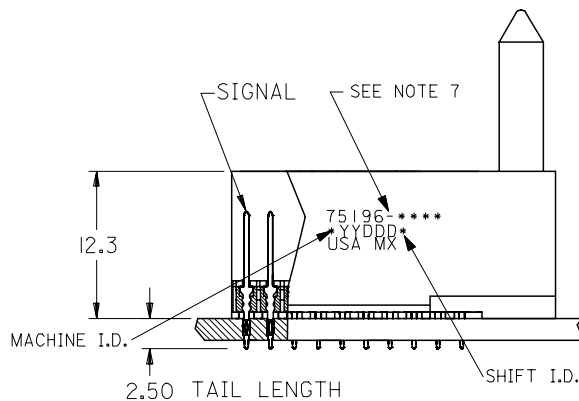


BACKPLANE HOLE PATTERN
RECOMMENDED DIMENSIONS

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.



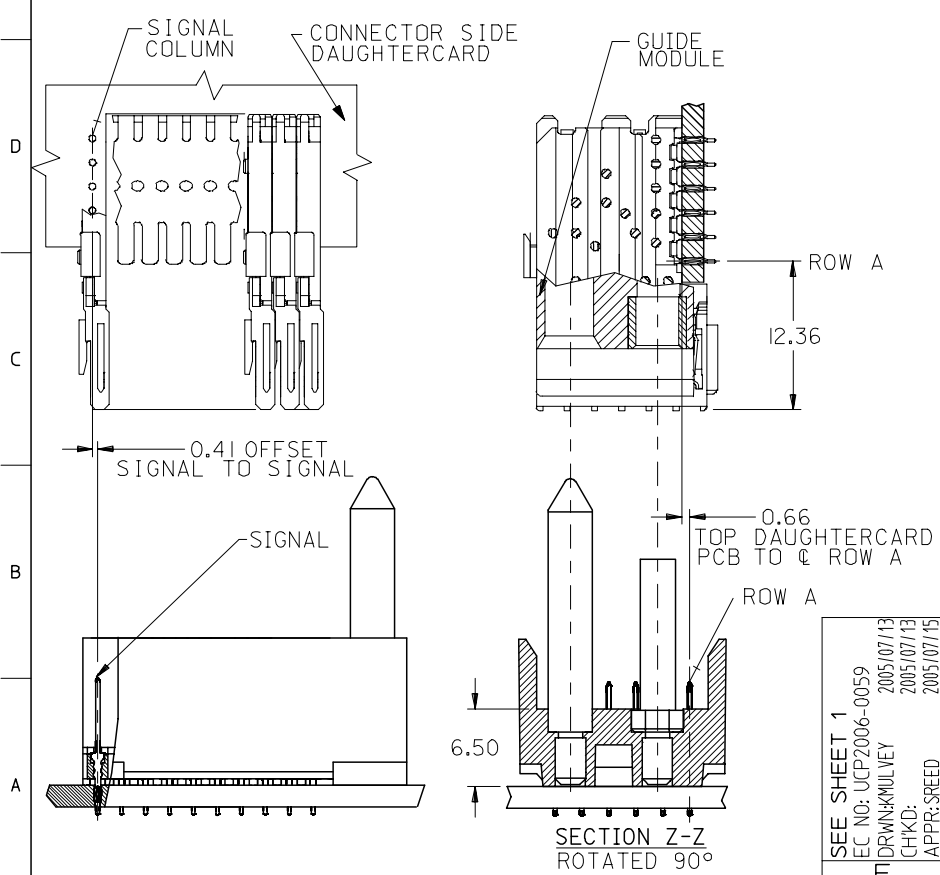
ADD LEADFREE PINS EC NO: UCP2006-0059 DRWNG/MULVEY 2005/07/13 CHKD: 2005/07/13 APPR: SREED 2005/07/15	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2.5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY MBANDURA	DATE 2003/01/17	TITLE VHDM LITE 6 ROW SHIELD END BACKPLANE SALES ASSEMBLY				
			4 PLACES ± --- ± ---	CHECKED BY NMARTIN	DATE 2003/01/17						
			3 PLACES ± --- ± ---	APPROVED BY CBIXLER	DATE 2003/01/17						
			2 PLACES ± --- ± ---	MOLEX MOLEX INCORPORATED							
			1 PLACE ± --- ± ---	MATERIAL NO. SEE SHEET 2		DOCUMENT NO. SD-75196-001		SHEET NO. 1 OF 2			
			ANGULAR ±1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

M/N 75196-()	---0*	---1*	---2*	---3*	---4*	---5*	---6*	---7*	---8*
KEYING PIN ORIENTATION	O	A	B	C	D	E	F	G	H

75196-***

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
75196-*0*1	10	60	0	27.00	18.00	4.75	0.76	0.76-1.52
75196-*5*1	25	150	0	57.00	48.00	4.75	0.76	
75196-*0*2	10	60	0	27.00	18.00	6.25	0.76	
75196-*5*2	25	150	0	57.00	48.00	6.25	0.76	
75196-*0*3	10	60	0	27.00	18.00	4.25	0.76	
75196-*5*3	25	150	0	57.00	48.00	4.25	0.76	
75196-*0*4	10	60	0	27.00	18.00	5.15	0.76	
75196-*5*4	25	150	0	57.00	48.00	5.15	0.76	
75196-*0*1	10	60	0	27.00	18.00	4.75	---	
75196-*5*1	25	150	0	57.00	48.00	4.75	---	
75196-*0*2	10	60	0	27.00	18.00	6.25	---	
75196-*5*2	25	150	0	57.00	48.00	6.25	---	