

PLEASE CHECK [WWW.MOLEX.COM](http://www.molex.com) FOR LATEST PART INFORMATION

Part Number: [0751962514](#)
Status: **Active**
Overview: vhdm_hsd
Description: 2.00mm (.079") Pitch 6-Row VHDM® Lite Backplane Header, Right Shield End Version, 6 Row, 150 Circuits, Pin Length 5.15mm (.203")

Documents:

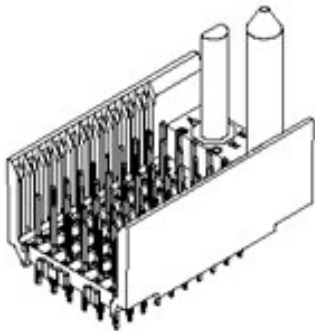
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-74031-999 \(PDF\)](#)

General

Product Family	Backplane Connectors
Series	75196
Application	Backplane
Application Tooling Documents	TM-622010999.pdf Tooling Manual
Comments	Keying Position A
Component Type	PCB Header
Overview	vhdm_hsd
Product Name	VHDM Lite®
Style	N/A

Physical

Circuits (Loaded)	150
Circuits (maximum)	150
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
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	25
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

China RoHS



Not Reviewed

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

Use With

Backplane 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.

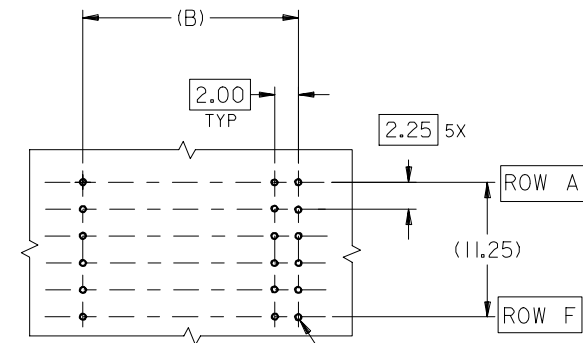
Global

Description	Product #
VHDM® Signal Pin	0622015700
Insertor Repair Tool	
VHDM® Insertion	0622020208
Module for Standard Shield Signal Header, 6 Row by	

Temperature Range - Operating	105°C	25 Wide, 50.00mm
Termination Interface: Style	Through Hole - Compliant Pin	(1.97")
Electrical		
Current - Maximum per Contact	1A	
Data Rate	622.0 Mbps	
Real Signals (per 25mm)	75	
Shielded	No	
Voltage - Maximum	120V AC (RMS)/DC	
Material Info		
Reference - Drawing Numbers		
Product Specification	PS-74031-999	
Sales Drawing	SD-75196-001	
VHDM and Very High Density Metric are trademarks of Amphenol Corporation		

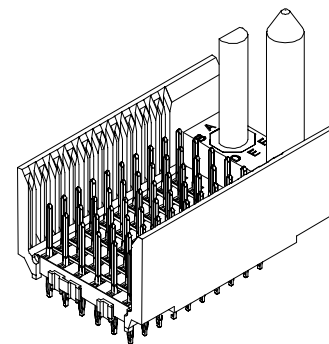
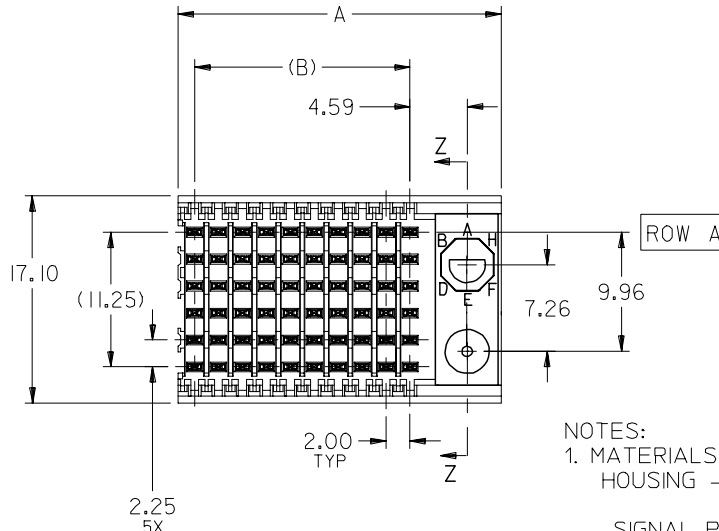
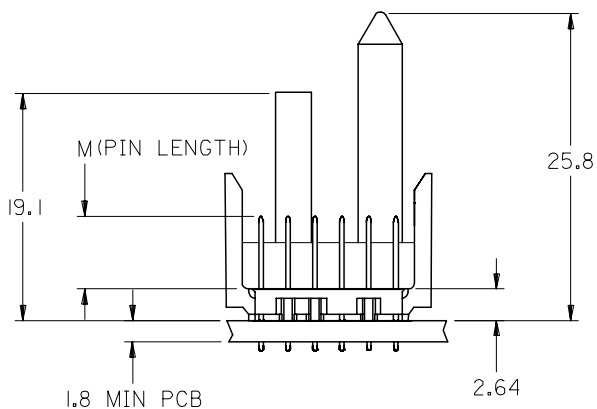
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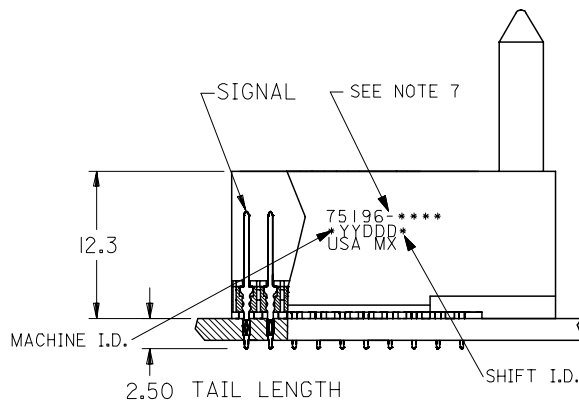


BACKPLANE HOLE PATTERN
RECOMMENDED DIMENSIONS

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.



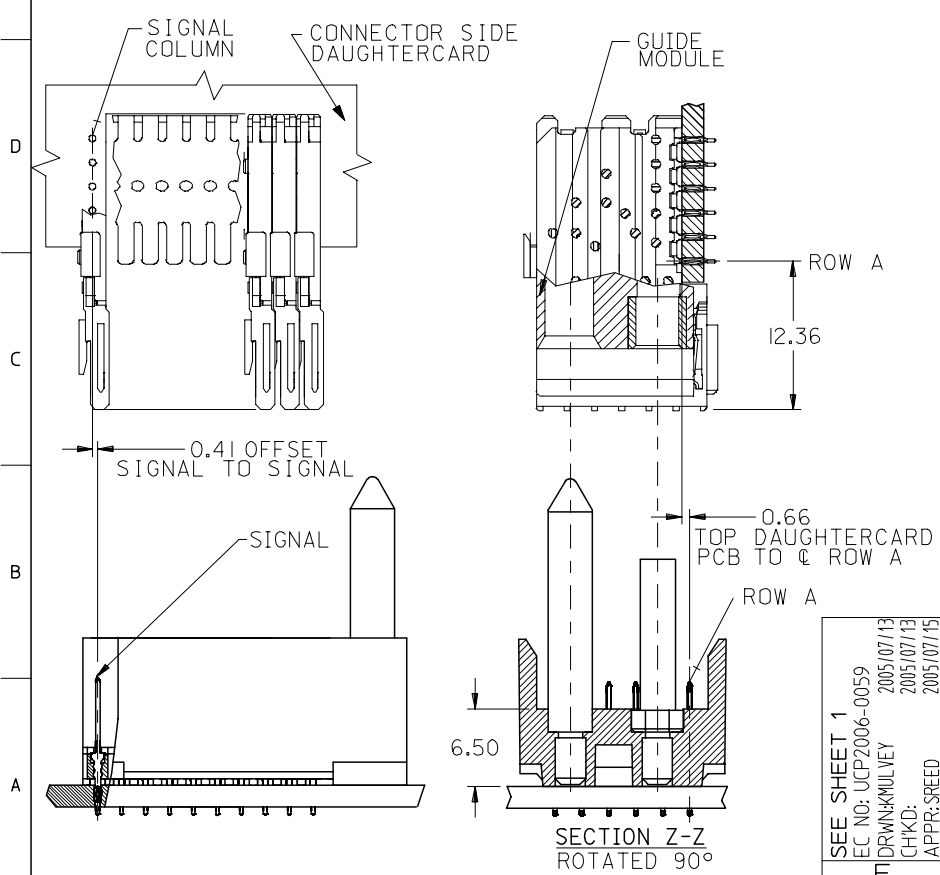
ADD LEADFREE PINS EC NO: UCP2006-0059 DRWNG/MULVEY 2005/07/13 CHKD: 2005/07/13 APPR: SREED 2005/07/15	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY		SCALE 2.5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	TITLE				
			4 PLACES	± ---	± ---	VHDM LITE 6 ROW SHIELD END BACKPLANE SALES ASSEMBLY			
			3 PLACES	± ---	± ---	MOLEX INCORPORATED			
REV	DESCRIPTION	2 PLACES	± ---	± ---	DRAWN BY MBANDURA			DATE 2003/01/17	
		1 PLACE	± ---	± ---	CHECKED BY NMARTIN			DATE 2003/01/17	
		ANGULAR ±1/2°		APPROVED BY CBIXLER			DATE 2003/01/17		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE SHEET 2		DOCUMENT NO. SD-75196-001	SHEET NO. 1 OF 2		
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	---	