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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)

Series
image - Reference only

General

Product Family	Backplane Connectors
Series	75196
Application	Backplane
Application Tooling Documents	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
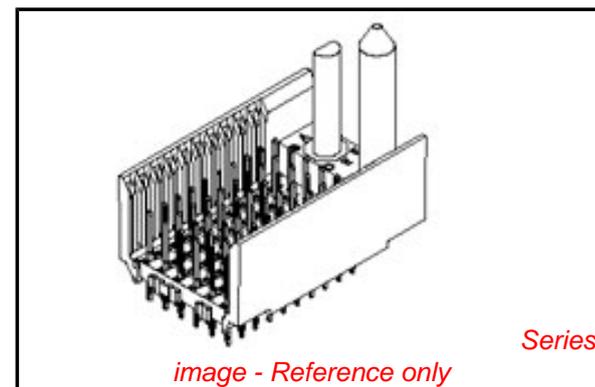
EU RoHS   **China RoHS**

RoHS Compliant by Exemption

REACH SVHC
Contains SVHC: No

Halogen-Free Status
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 Inserter Repair Tool	0622015700
VHDM® Insertion Module for Standard Shield Signal Header, 6 Row by	0622020208

| 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 |

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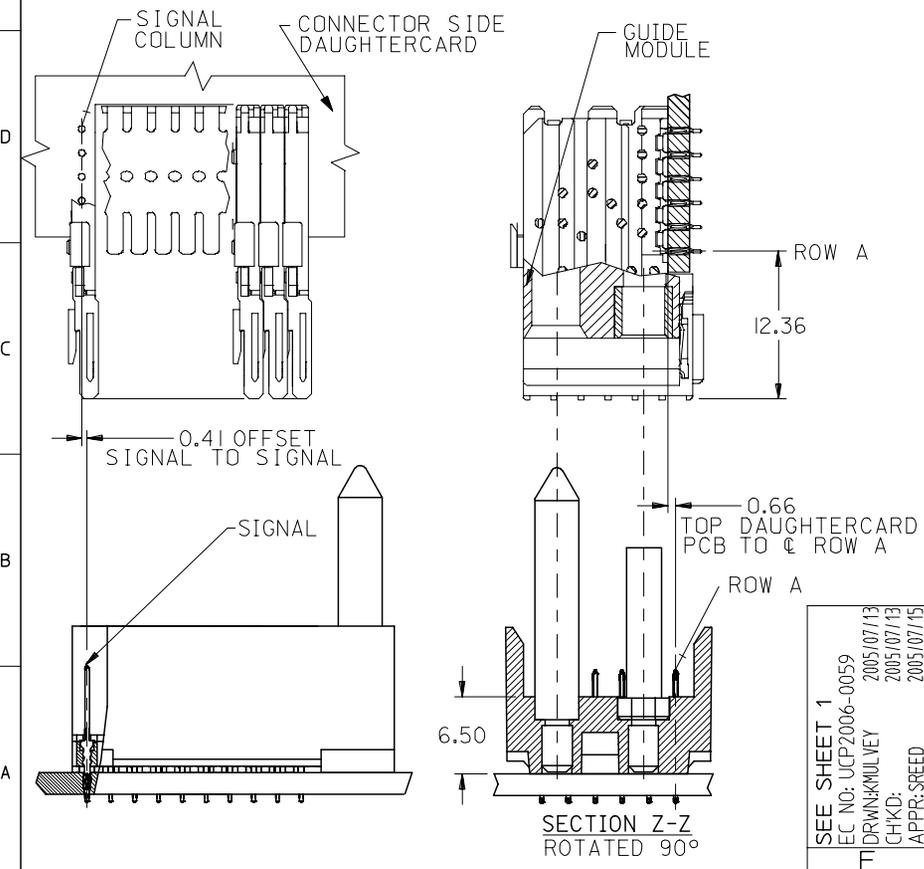## PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Grid references (top): 10 9 8 7 6 5 4 3 2 1
Grid references (sides): F E D C B A

BACKPLANE HOLE PATTERN
RECOMMENDED DIMENSIONS

(B)
2.00 TYP
2.25 5X
ROW A
(11.25)
ROW F
∅0.56 ±0.05 PTH
∅0.66 DRILL
∅1.00 PAD
⊕ | ∅0.10

A
(B)
4.59
Z
ROW A
17.10
(11.25)
B A
D E F
7.26
9.96
2.00 TYP
Z
2.25 5X

M (PIN LENGTH)
25.8
19.1
1.8 MIN PCB
2.64

SIGNAL
SEE NOTE 7
12.3
75196-****
YYDDD
USA MX
MACHINE I.D.
SHIFT I.D.
2.50 TAIL LENGTH

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.

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2.5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: MBANDURA DATE: 2003/01/17
CHECKED BY: NMARTIN DATE: 2003/01/17
APPROVED BY: CBIXLER DATE: 2003/01/17

TITLE:
VHDM LITE 6 ROW
SHIELD END BACKPLANE
SALES ASSEMBLY

molex MOLEX INCORPORATED

MATERIAL NO.: SEE SHEET 2
DOCUMENT NO.: SD-75196-001
SHEET NO.: 1 OF 2
SIZE: B

tb_frame_B_P_ME_T
Rev. D 2004/04/02

M/N 75196-( )	-**0*	-**1*	-**2*	-**3*	-**4*	-**5*	-**6*	-**7*	-**8*
KEYING PIN ORIENTATION	0	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

SIGNAL COLUMN
CONNECTOR SIDE DAUGHTERCARD
GUIDE MODULE
ROW A
12.36
0.41 OFFSET SIGNAL TO SIGNAL
0.66
TOP DAUGHTERCARD PCB TO ₵ ROW A
SIGNAL
ROW A
6.50
SECTION Z-Z ROTATED 90°

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 / ---	
75196-*5*1	25	150	0	57.00	48.00		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		0.76 / ---	0.76-1.52
75196-*0*3	10	60	0	27.00	18.00	4.25	0.76 / ---	
75196-*5*3	25	150	0	57.00	48.00		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		0.76 / ---	

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±1/2°		

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SCALE: 2.5:1
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THIRD ANGLE PROJECTION

DRAWN BY: MBANDURA DATE 2003/01/17
CHECKED BY: NMARTIN DATE 2003/01/17
APPROVED BY: CBIXLER DATE 2003/01/17

TITLE
VHDM LITE 6 ROW SHIELD END BACKPLANE SALES ASSEMBLY

molex   MOLEX INCORPORATED

MATERIAL NO. SEE CHART
DOCUMENT NO. SD-75196-001
SHEET NO. 2 OF 2
SIZE B

tb_frame_B_P_ME_T
Rev. D 2004/04/02

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ВМЕСТЕ МЫ СОЗДАЕМ БУДУЩЕЕ

ПОСТАВКА
ЭЛЕКТРОННЫХ КОМПОНЕНТОВ

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http://moschip.ru/get-element

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