

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0751170118

Status:

Active

Overview:

[vhdm](#)

Description:

2.00mm (.079") Pitch VHDM® Board-to-Board Stacker Receptacle, Vertical, 8-Row, 80 Circuits, 0.76µm (30µ") Gold (Au)

Documents:

[Drawing \(PDF\)](#)

[Packaging Specification \(PDF\)](#)

[Product Specification PS-74031-999 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family

Series

Application

Application Tooling Documents

Comments

Component Type

Overview

Product Name

Style

Backplane Connectors

75117

Daughtercard

Tooling Manual

Stack Height 18mm (.708"), Lead Free

PCB Receptacle

[vhdm](#)

VHDM®

N/A

Physical

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Guide to Mating Part

Keying to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Columns

Number of Pairs

Number of Rows

Orientation

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to PCB

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

80

80

Black

200

No

No

None

Copper-Nickel-Silicon, High Performance Alloy (HPA)

Gold

Tin-Lead

High Temperature Thermoplastic

N/A

Open Pin Field

8

Vertical

None

0.070 In

1.80 mm

Tube

0.079 In

2.00 mm

30

0.75

30

0.75

No

Yes

-55°C to +105°C

Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact

Data Rate

1A

3.125 Gbps

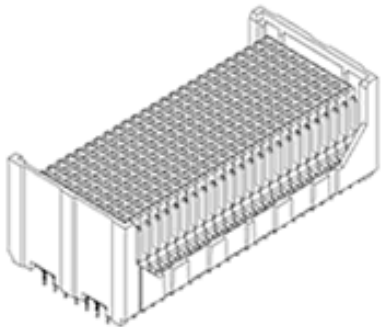


image - Reference only

Series

EU RoHS

RoHS Compliant by Exemption

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

75117Series

Mates With

74060 VHDM® Board-to-Board Backplane Header

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® Single	0622021450
Wafer Removal Tool,	
8 Row	

Real Signals (per 25mm)	100
Voltage - Maximum	120V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

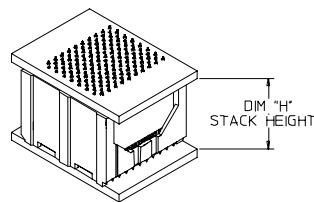
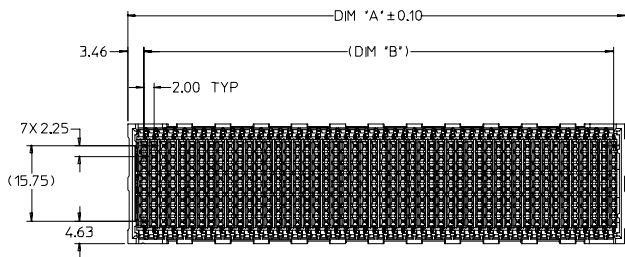
Product Specification	PS-74031-999
Sales Drawing	SD-75117-001

VHDM and Very High Density Metric are trademarks of Amphenol Corporation

This document was generated on 05/17/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

20 19 18 17 16 15 14 13 12 11 75117 9 8 7 6 5 4 3 2 1



MATED VIEW
10-WAFER CONNECTOR SHOWN

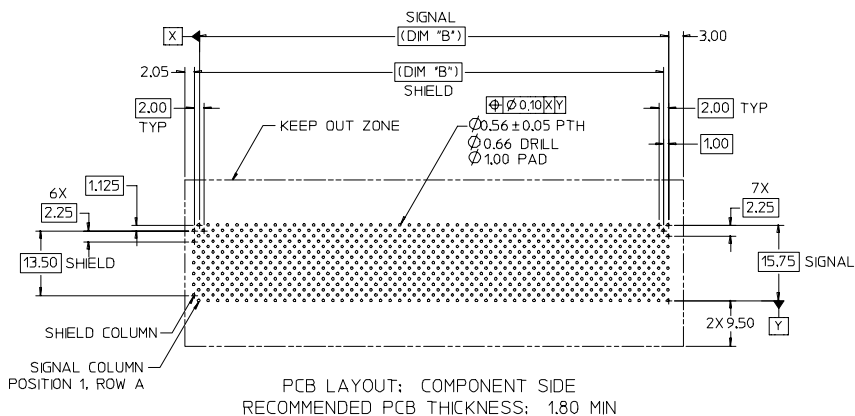
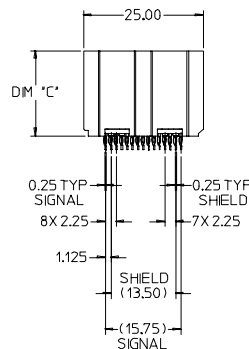
NOTES:

1. MATERIALS:
RETAINER HOUSING/WAFER PLASTIC - LIQUID CRYSTAL POLYMER (LCP),
GLASS FILLED, UL94 V-0, COLOR: BLACK (30µin Au) OR GRAY (50µin Au)
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
2. FINISHES:
TERMINAL - SELECTIVE GOLD (Au) IN CONTACT AREA, 0.00076mm OR
0.00127mm MIN THICKNESS, SELECTIVE TIN/LEAD (Sn/Pb) OR MATTE TIN (Sn)
ON PCB TAILS,
NICKEL (Ni) UNDERPLATE OVERALL
3. PRODUCT SPECIFICATION: PS-74031-999
4. PACKAGING SPECIFICATION: PK-70873-0750
5. MATES WITH VHDM 8-ROW BACKPLANE HEADER SERIES NO. 74060
6. THESE PARTS CONFORM TO MOLEX COSMETIC SPECIFICATION PS-45499-002
CLASS B.

MATERIAL NUMBER ASSIGNMENT

75117 - * * * *
GOLD THICKNESS/TAIL PLATING
0 = 30µin/TIN/LEAD
1 = 50µin /TIN/LEAD
8 = 50µin/MATTE TIN
9 = 30µin/MATTE TIN
STACK HEIGHT
DIM "H"
18 = 18mm
*28 = 28mm
NUMBER OF WAFERS
0 = 50
1 = 10
2 = 25

* CONSULT FACTORY FOR AVAILABILITY



* CONSULT FACTORY FOR AVAILABILITY

MATERIAL NUMBER	NUMBER OF WAFERS	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'H' STACK HEIGHT
*75117-*228	25	54.05	48.00	27.74	25.36	28
*75117-*128	10	24.05	18.00			
*75117-*028	50	104.05	98.00			
75117-*218	25	54.05	48.00	17.74	15.36	18
75117-*118	10	24.05	18.00			
75117-*018	50	104.05	98.00			

MODIFIED NOTES EC NO: UCP2008-0167 DRAWN:MS ANDRE 2007/07/25 CHKD: JINGHAN 2007/07/25 APPR: JINGHAN 2007/07/25	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	SCALE 2:1		DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	REVISE ON CAD ONLY	
						DIMENSION STYLE			TITLE VHDM 8-ROW DAUGHTERCARD STACKER CONNECTOR SALES DRAWING
						MM ONLY			
						DRAWN BY DATE			
						SREED 2003/02/27			
						CHECKED BY DATE			
						JBINGHAM 2003/02/27			
						APPROVED BY DATE			
						CBIXLER 2003/02/27			
						MATERIAL NO. SEE CHART			
REV			MUST REMAIN WITHIN DIMENSIONS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					D

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



SEE SHEET 1 EC NO: UCP2008-0767 DRAWN BY SANDRE2007/07/25 CHKD BY JINGHAN 2007/07/25 APPR BY JINGHAN 2007/07/25	QUALITY SYMBOLS ▽.0 ▽.0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY	
				mm	INCH	DIMENSION STYLE MM ONLY		TITLE	VHDM 8-ROW DAUGHTERCARD STACKER CONNECTOR SALES DRAWING
			4 PLACES	± ---	± ---	DRAWN BY	DATE	MOLEX INCORPORATED	
			3 PLACES	± ---	± ---	SPEED	2003/02/27		
			2 PLACES	±0.05	± ---	CHECKED BY	DATE		
			1 PLACE	±0.10	± ---	JBINGHAM	2003/02/27		
ANGULAR ± 2 °		APPROVED BY		DATE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.		
DRAFT WHERE APPLICABLE		CBXLER		2003/02/27	SEE CHART	SD-75117-001	2 OF 2		
MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							