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Part Number: [0751179218](#)
Status: **Active**
Overview: [vhdm](#)
Description: 2.00mm (.079") Pitch VHDM® Board-to-Board Stacker Receptacle, Vertical, 8-Row, 200 Circuits, 0.76µm (30µ") Gold (Au)

Documents:

Drawing (PDF)	Product Specification PS-74031-999 (PDF)
Packaging Specification (PDF)	RoHS Certificate of Compliance (PDF)

General

Product Family	Backplane Connectors
Series	75117
Application	Daughtercard
Application Tooling Documents	Tooling Manual
Comments	Stack Height 28mm (1.102"), Lead Free
Component Type	PCB Receptacle
Overview	vhdm
Product Name	VHDM®
Style	N/A

Physical

Circuits (Loaded)	200
Circuits (maximum)	200
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	No
Keying to Mating Part	None
Material - Metal	Copper-Nickel-Silicon, High Performance Alloy (HPA)
Material - Resin	High Temperature Thermoplastic
Number of Columns	N/A
Number of Pairs	Open Pin Field
Number of Rows	8
Orientation	Vertical
PC Tail Length (in)	0.112 In
PC Tail Length (mm)	2.85 mm
PCB Locator	No
PCB Retention	None
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
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	1A
Data Rate	3.125 Gbps

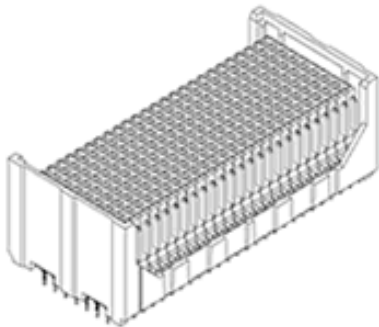


image - Reference only

Series

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
[75117Series](#)

Mates With
[74060](#) VHDM® Board-to-Board Backplane Header

Real Signals (per 25mm)	100
Shielded	No
Voltage - Maximum	120V AC (RMS)/DC

Material Info

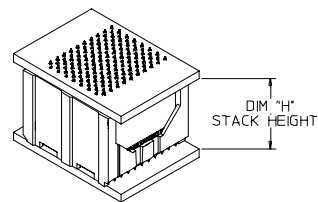
Reference - Drawing Numbers

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

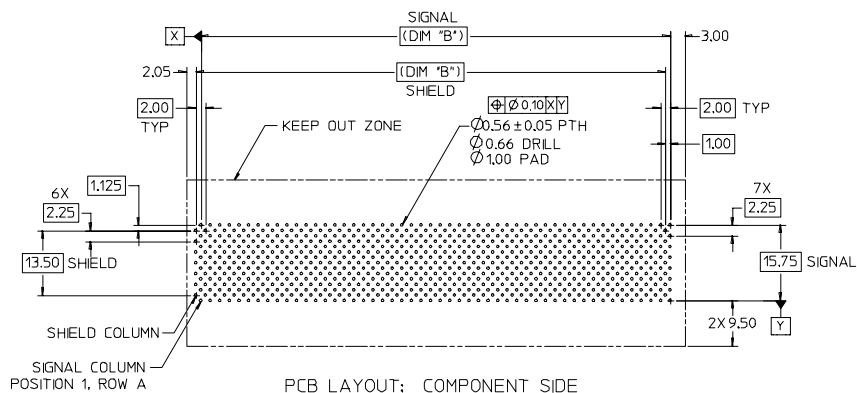
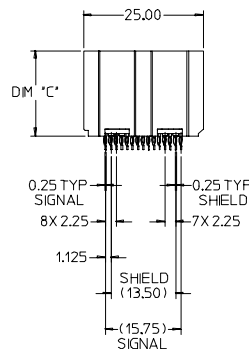
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MATED VIEW
10-WAFER CONNECTOR SHOWN



PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 1.80 MIN

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 } STACK HEIGHT
DIM "H"
0 = 30µin/TIN/LEAD 18 = 18mm
1 = 50µin /TIN/LEAD *28 = 28mm
8 = 50µin/MATTE TIN
9 = 30µin/MATTE TIN } NUMBER OF WAFERS
0 = 50
1 = 10
2 = 25

* CONSULT FACTORY FOR AVAILABILTY

* CONSULT FACTORY FOR AVAILABILITY

✕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			
MATERIAL NUMBER	NUMBER OF WAFERS	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "H" STACK HEIGHT

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
	mm	INCH	DIMENSION STYLE MM ONLY		TITLE	
▽-0	4 PLACES ±---	±---	DRAWN BY DATE		VHDM 8-ROW DAUGHTERCARD STACKER CONNECTOR SALES DRAWING	
	3 PLACES ±---	±---	SREED 2003/02/27			
	2 PLACES ±0.05	±---	CHECKED BY DATE			
	1 PLACE ±0.10	±---	JBINGHAM 2003/02/27			
▽-0	ANGULAR ± 2 °		APPROVED BY DATE		MOLEX MOLEX INCORPORATED	
NEW	DRAFT WHERE APPLICABLE		CBIXLER 2003/02/27		MATERIAL NO. SEE CHART	SHEET NO. SD-7517-001 1 OF 2
	MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
			D			

REV	DESCRIPTION
2	MODIFIED NOTES EC NO: UCP2008-0167 DRWN:MSANDBEF2007/07/25 CHK'D: BINGHAM 2007/07/25 APPR: BINGHAM 2007/07/25



SEE SHEET 1 EC NO: UCP2008-067 DRAWN BY: S.MANDRE2007/07/25 CHKD BY: JINGHAN 2007/07/25 APPR BY: JINGHAN 2007/07/25	DESCRIPTION	QUALITY SYMBOLS ▽ 0 ▽ 0	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				
			3 PLACES	± ---	± ---	SREED				2003/02/27				
			2 PLACES	± 0.05	± ---	CHECKED BY				DATE				
			1 PLACE	± 0.10	± ---	JBINGHAM				2003/02/27				
			ANGULAR ± 2 °		APPROVED BY CBXLER	DATE				MATERIAL NO. SEE CHART	DOCUMENT NO. SD-75117-001	SHEET NO. 2 OF 2		
			DRAFT WHERE APPLICABLE			2003/02/27								
			MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

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Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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