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Part Number:

0751171118

Status:

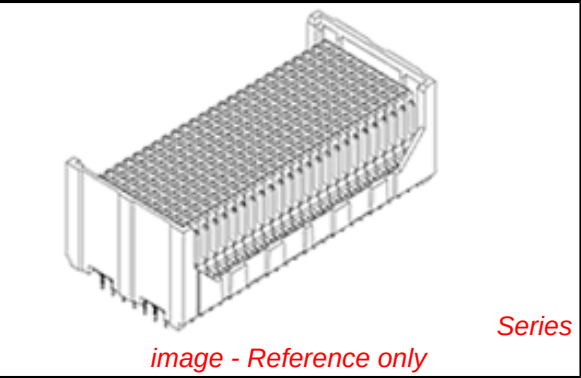
Active

Overview:

[vhdm](#)

Description:

2.00mm (.079") Pitch VHDM® Board-to-Board Stacker Receptacle, Vertical, 8-Row, 80 Circuits, 1.27µm (50µ") Gold (Au)



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

General	
Product Family	Backplane Connectors
Series	75117
Application	Daughtercard
Application Tooling Documents	Tooling Manual
Comments	Stack Height 18mm (.708"), Lead Free
Component Type	PCB Receptacle
Overview	vhdm
Product Name	VHDM®
Style	N/A
Physical	
Circuits (Loaded)	80
Circuits (maximum)	80
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 - Plating Mating	Gold
Material - Plating Termination	Tin-Lead
Material - Resin	High Temperature Thermoplastic
Number of Columns	N/A
Number of Pairs	Open Pin Field
Number of Rows	8
Orientation	Vertical
PCB Retention	None
PCB Thickness Recommended (in)	0.070 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
Plating min: Mating (µin)	50
Plating min: Mating (µm)	1.25
Plating min: Termination (µin)	30
Plating min: Termination (µm)	0.75
Polarized to PCB	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin
Electrical	
Current - Maximum per Contact	1A
Data Rate	3.125 Gbps

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS



Pb

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

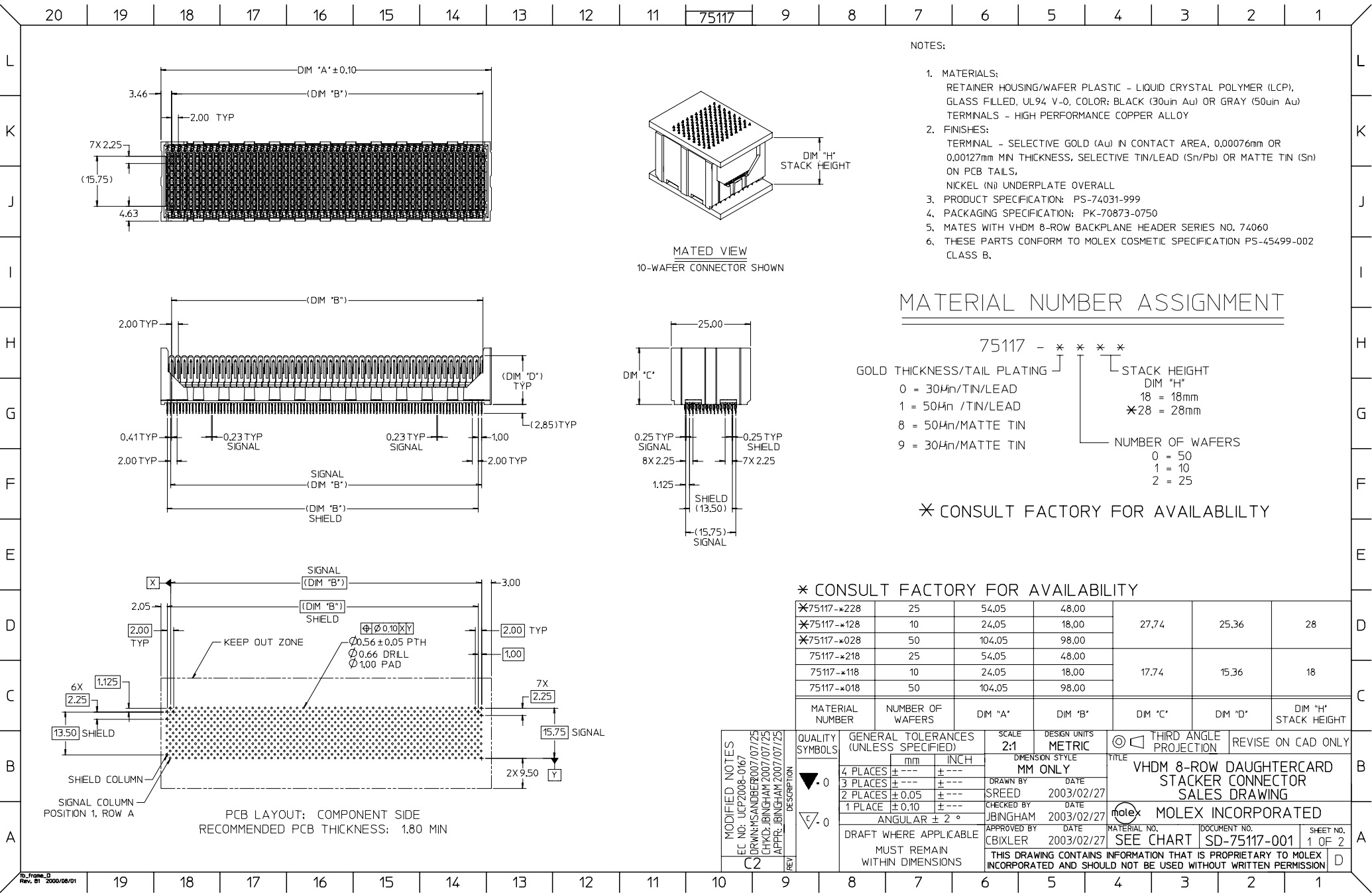
Reference - Drawing Numbers

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

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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

*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

MODIFIED NOTES EC NO: UCP-008-067 DRAWN: MSANDBERG 07/07/25 CHKD: JBINGHAM 07/07/25 APPR: JBINGHAM 07/07/25 REV C2	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
	4 PLACES	mm INCH	DIMENSION STYLE MM ONLY	DRAWN BY DATE	TITLE VHDM 8-ROW DAUGHTERCARD STACKER CONNECTOR SALES DRAWING MOLEX MOLEX INCORPORATED	
	3 PLACES	mm INCH	SREED 2003/02/27	CHECKED BY DATE		
	2 PLACES	mm INCH	JBINGHAM 2003/02/27	APPROVED BY DATE		
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		MATERIAL NO. SEE CHART	DOCUMENT NO. SD-75117-001	SHEET NO. 1 OF 2



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	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		
			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	 MOLEX INCORPORATED		
			1 PLACE	± 0.10	± ---	JBINGHAM	2003/02/27			
			ANGULAR ± 2 °			APPROVED BY	DATE	MATERIAL NO.	DOCUMENT NO.	
			DRAFT WHERE APPLICABLE			CBXLER	2003/02/27	SEE CHART	SD-75117-001	
			MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
										SHEET NO. 2 OF 2