

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

**Part Number:** **0751170538**  
**Status:** **Active**  
**Overview:** vhdm  
**Description:** 2.00mm (.0779") Pitch VHDM® Board-to-Board Stacker Guided Receptacle, Vertical, 400 Circuits, 0.76µm (30µ") Gold (Au)

**Documents:**

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

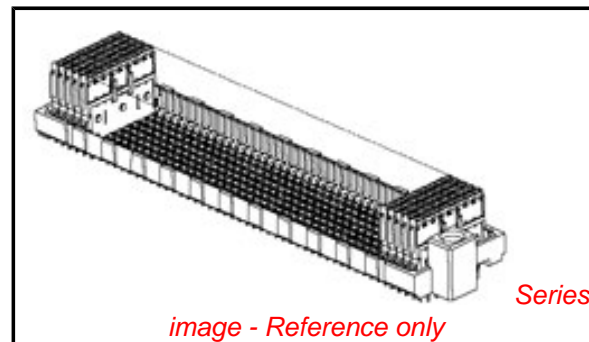
[Product Specification PS-74031-999 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family	Backplane Connectors
Series	75117
Application	Daughtercard
Application Tooling Documents	<a href="http://www.molex.com/pdm_docs/ats/TM-622010999.pdf">Tooling Manual</a>
Comments	Stack Height 18mm (.708")
Component Type	PCB Receptacle
Overview	<a href="#">vhdm</a>
Product Name	VHDM®
Style	N/A

**Physical**

Circuits (Loaded)	400
Circuits (maximum)	400
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	Yes
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
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	Tray
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Pitch - Term. Interface (in)	0.039 In
Pitch - Term. Interface (mm)	1.00 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	Yes
Stackable	No
Surface Mount Compatible (SMC)	Yes



**EU RoHS**

**RoHS Compliant by Exemption**

**REACH SVHC**

**Contains SVHC: No**

**Halogen-Free**

**Status**

**Halogen-Free**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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.

**China RoHS**



**Search Parts in this Series**

[75117Series](#)

**Mates With**

VHDM® Board-to-Board Backplane  
 HeaderLink:74061, 74060

Temperature Range - Operating 105°C  
Termination Interface: Style Through Hole - Compliant Pin

### **Electrical**

Current - Maximum per Contact 1A  
Data Rate 3.125 Gbps  
Real Signals (per 25mm) 100  
Shield Type Ground Plane Shield  
Shielded Yes  
Voltage - Maximum 120V AC (RMS)/DC

### **Material Info**

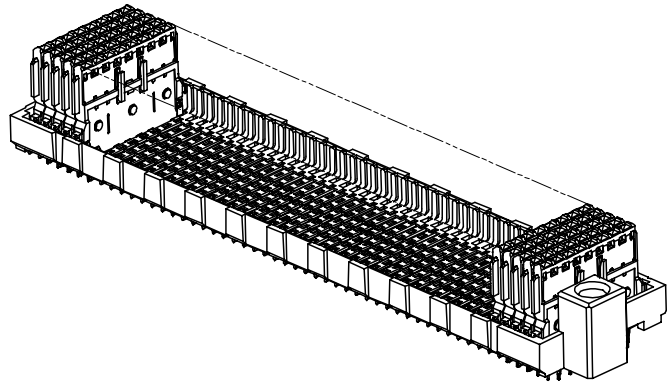
#### **Reference - Drawing Numbers**

Packaging Specification PK-70873-751  
Product Specification PS-74031-999  
Sales Drawing SD-75117-538

VHDM and Very High Density Metric are trademarks of Amphenol Corporation

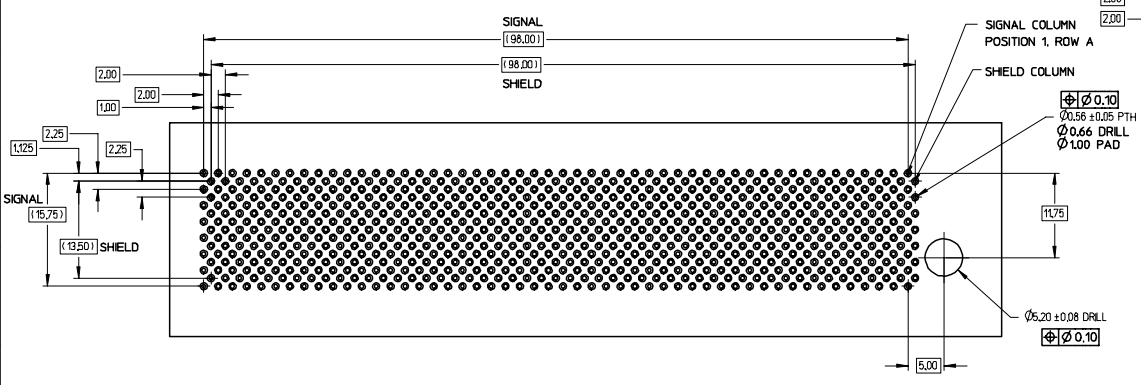
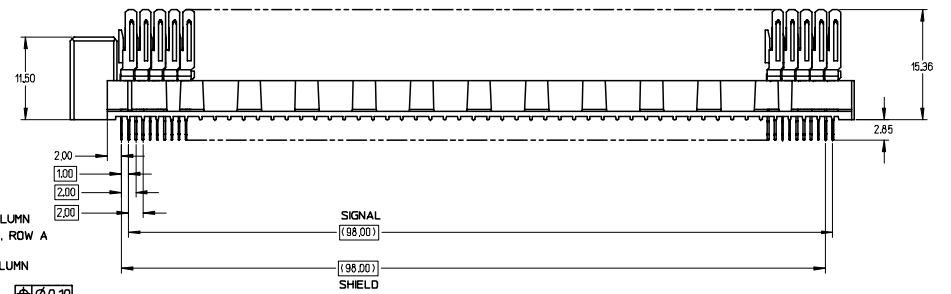
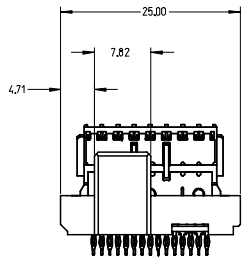
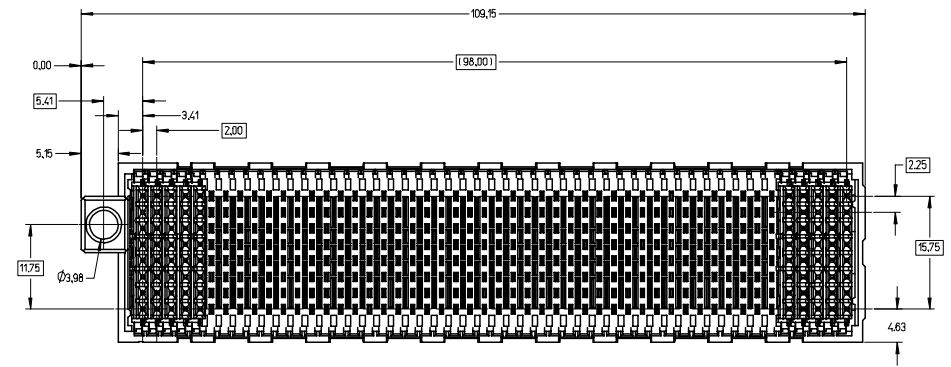
This document was generated on 05/14/2010

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



NOTES:

1. MATERIALS:  
 RETAINER HOUSING-LIQUID CRYSTAL POLYMER  
 30% GLASS FILLED, UL94 V-0, COLOR: BLACK  
 WAFER PLASTIC-LIQUID CRYSTAL POLYMER  
 30% GLASS FILLED, UL94 V-0, COLOR: BLACK (30u<sub>in</sub> Au) OR GRAY (50u<sub>in</sub> Au)  
 TERMINALS: HIGH PERFORMANCE COPPER ALLOY
2. FINISHES:  
 TERMINAL-SELECTIVE GOLD(Au) IN CONTACT AREA  
 THICKNESS, SELECTIVE TIN/LEAD (Sn/Pb) ON PCB TAILS, NICKEL (Ni)  
 UNDERPLATE OVERALL.
3. PRODUCT SPECIFICATION: PS-74031-999
4. MATES WITH VHDM 8-ROW BACKPLANE HEADER SERIES NO. 74061 & 74060.
5. PACKAGING SPECIFICATION: PK-70873-0751.
6. THIS PART CONFORMS TO MOLEX COSMETIC SPECIFICATION PS-75499-002 CLASS B.



<b>MODIFIED NOTES</b> EC NO: UCP2008-0983 DRAWN BY: MSANDBERG 2007/11/04 CHECKED BY: JB INGHAM 2007/11/04 APPR: JB INGHAM 2007/11/04 A2	<b>QUALITY SYMBOLS</b> ▽=0 ▽=0	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b> <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.05</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.10</td> <td>± ---</td> </tr> <tr> <td colspan="3">ANGULAR ± 2°</td> </tr> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.05	± ---	1 PLACE	± 0.10	± ---	ANGULAR ± 2°			<b>DIMENSION STYLE</b> MM ONLY	<b>SCALE</b> 3:1	<b>DESIGN UNITS</b> METRIC	<input checked="" type="checkbox"/> THIRD ANGLE PROJECTION
		mm	INCH																					
	4 PLACES	± ---	± ---																					
	3 PLACES	± ---	± ---																					
2 PLACES	± 0.05	± ---																						
1 PLACE	± 0.10	± ---																						
ANGULAR ± 2°																								
<b>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</b>	DRAWN BY: MSANDBERG 2007/04/05 CHECKED BY: JB INGHAM 2007/04/05 APPROVED BY: RNELSON 2007/04/05	<b>TITLE</b> VHDM 8-ROW DAUGHTERCARD STACKER 50 COLUMN W/ GUIDE SALES DRAWING	<b>MATERIAL NO.</b> 75117-0538	<b>DOCUMENT NO.</b> SD-75117-538	<b>SHEET NO.</b> 1 OF 1																			
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																								
MOLEX INCORPORATED																								