

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)

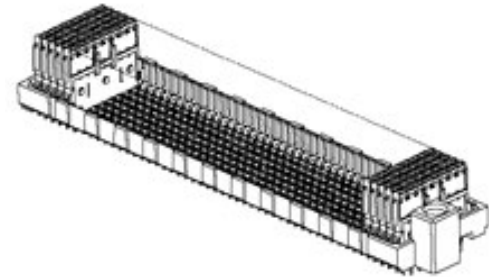


image - Reference only

Series

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	Tooling Manual
Comments	Stack Height 18mm (.708")
Component Type	PCB Receptacle
Overview	vhdm
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

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
VHDM® Board-to-Board Backplane
HeaderLink:74061, [74060](#)

Temperature Range - Operating

Termination Interface: Style

105°C

Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact

Data Rate

Real Signals (per 25mm)

Shield Type

Shielded

Voltage - Maximum

1A

3.125 Gbps

100

Ground Plane Shield

Yes

120V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Packaging Specification

Product Specification

Sales Drawing

PK-70873-751

PS-74031-999

SD-75117-538

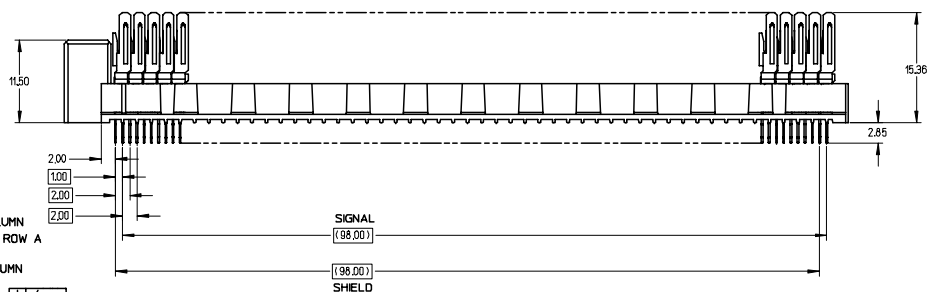
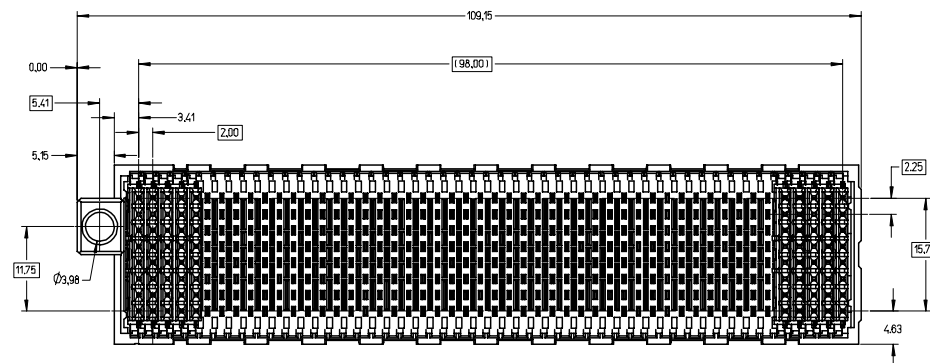
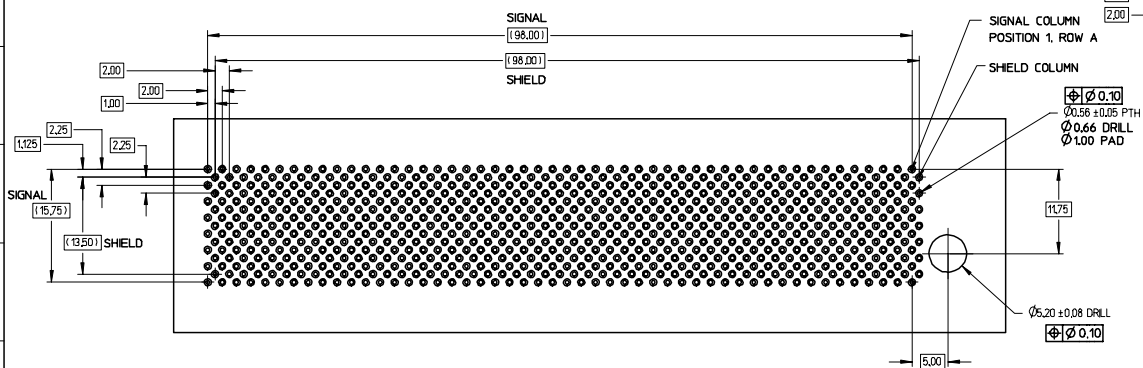
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This document was generated on 05/14/2010

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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 (30µin Au) OR GRAY (50µin 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.



MODIFIED NOTES EC NO: LCP2006-0983 DESIGNED BY: MSANDBERG 2007/11/01 CHECKED BY: JB INGHAM 2007/11/01 APPR: JB INGHAM 2007/11/01	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION															
	 	<table><tr><th></th><th>mm</th><th>INCH</th></tr><tr><td>4 PLACES</td><td>± .005</td><td>± .0005</td></tr><tr><td>3 PLACES</td><td>± .005</td><td>± .0005</td></tr><tr><td>2 PLACES</td><td>± .005</td><td>± .0005</td></tr><tr><td>1 PLACE</td><td>± .010</td><td>± .0010</td></tr></table>		mm	INCH	4 PLACES	± .005	± .0005	3 PLACES	± .005	± .0005	2 PLACES	± .005	± .0005	1 PLACE	± .010	± .0010	DRAWN BY MSANDBERG 2007/04/05		DATE 2007/04/05		TITLE VHDM 8-ROW DAUGHTERCARD STACKER 50 COLUMN W/ GUIDE SALES DRAWING	
		mm	INCH																				
	4 PLACES	± .005	± .0005																				
3 PLACES	± .005	± .0005																					
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1 PLACE	± .010	± .0010																					
	ANGULAR ± 2°	APPROVED BY RNELSON 2007/04/05		DATE 2007/04/05		MOLEX MOLEX INCORPORATED																	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. 75117-0538		DOCUMENT NO. SD-75117-538		SHEET NO. 1 OF 1															
A2	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					