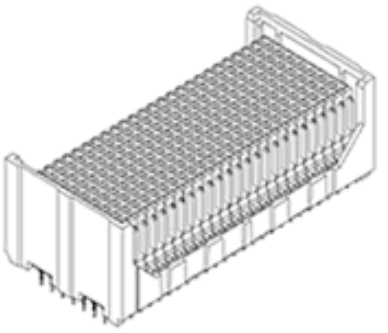
molex
one company > a world of innovation

This document was generated on 05/17/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0751171018
Status: Active
Overview: vhdm
Description: 2.00mm (.079") Pitch VHDM® Board-to-Board Stacker Receptacle, Vertical, 8-Row, 400 Circuits, 1.27µm (50µ") Gold (Au)



Series image - Reference only

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"), Lead Free
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	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
50
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 Wafer Removal Tool, 8 Row	0622021450

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

Material Info

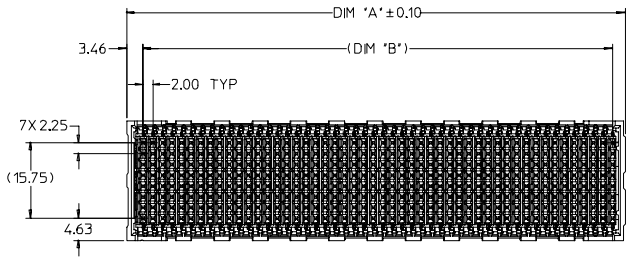
Reference - Drawing Numbers

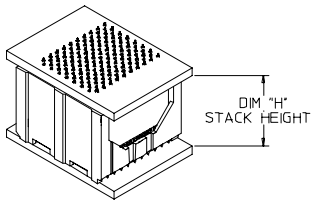
Product Specification	PS-74031-999
Sales Drawing	SD-75117-001

VHDM and Very High Density Metric are trademarks of Amphenol Corporation

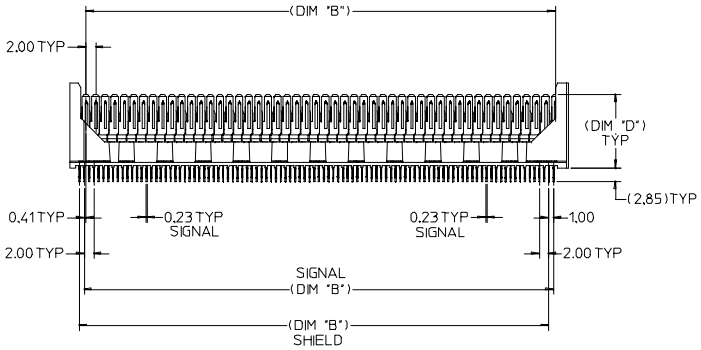
This document was generated on 05/17/2010

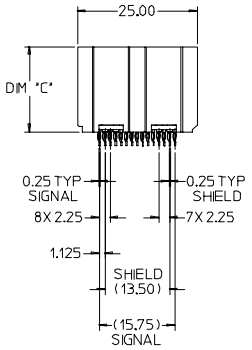
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION





MATED VIEW
10-WAFER CONNECTOR SHOWN





NOTES:

1. MATERIALS:
   RETAINER HOUSING/WAFER PLASTIC - LIQUID CRYSTAL POLYMER (LCP), GLASS FILLED, UL94 V-0, COLOR: BLACK (30uin Au) OR GRAY (50uin 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

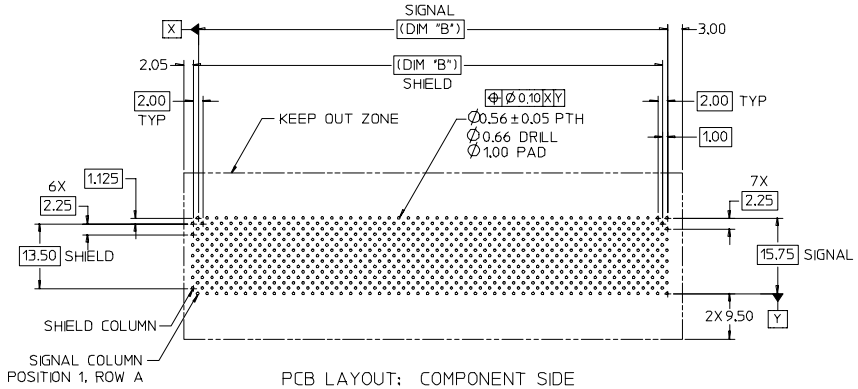
75117 - * * * *

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 AVAILABLILTY



PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 1.80 MIN

* 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
DRWN: MSANDBER 2007/07/25
CHKD: JBINGHAM 2007/07/25
APPR: JBINGHAM 2007/07/25
DESCRIPTION
REV
C2

QUALITY SYMBOLS
▼ - 0
▽ - 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.05	± ---
1 PLACE	± 0.10	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

SCALE 2:1
DESIGN UNITS METRIC
THIRD ANGLE PROJECTION
REVISE ON CAD ONLY
DIMENSION STYLE MM ONLY

DRAWN BY SREED DATE 2003/02/27
CHECKED BY JBINGHAM DATE 2003/02/27
APPROVED BY CBIXLER DATE 2003/02/27

TITLE: VHDM 8-ROW DAUGHTERCARD STACKER CONNECTOR SALES DRAWING

molex MOLEX INCORPORATED

MATERIAL NO. SEE CHART
DOCUMENT NO. SD-75117-001
SHEET NO. 1 OF 2

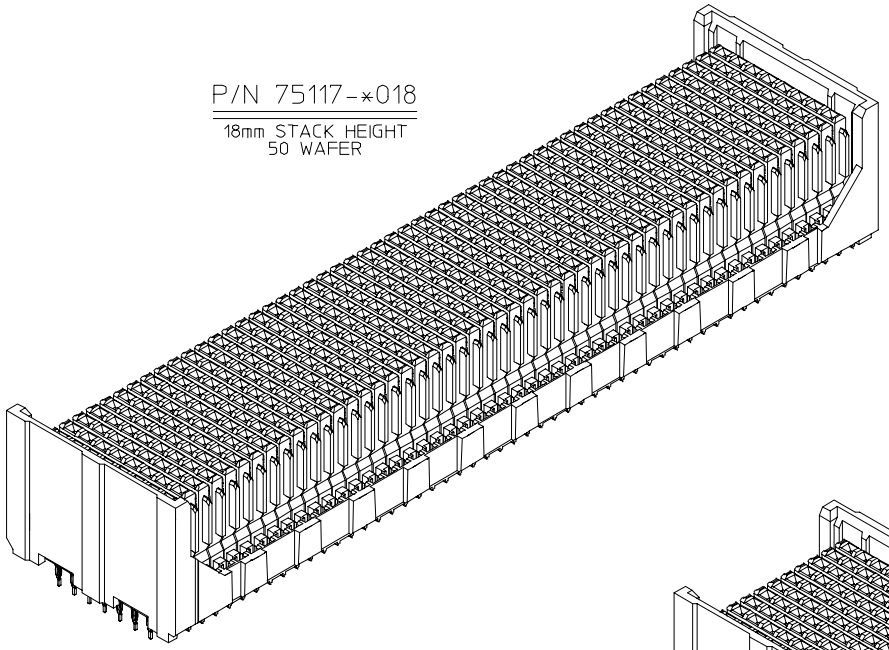
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

D

fb_frame_D
Rev. B1 2000/08/01

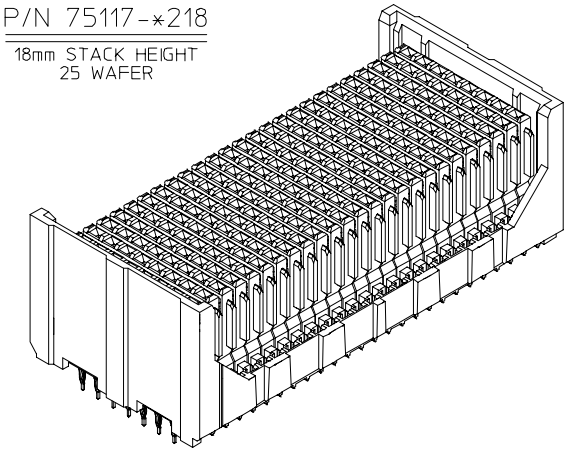
P/N 75117-*018

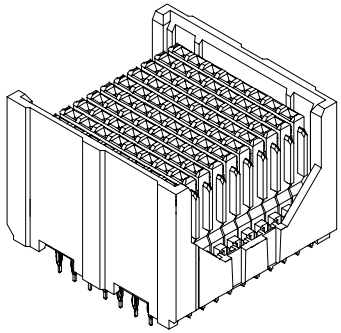
18mm STACK HEIGHT
50 WAFER



P/N 75117-*218

18mm STACK HEIGHT
25 WAFER





P/N 75117-*118

18mm STACK HEIGHT
10 WAFER

SEE SHEET 1
EC NO: UCP2008-0167
DRWN:MSANDBER2007/07/25
CHKD:JBINGHAM 2007/07/25
APPR: JBINGHAM 2007/07/25
DESCRIPTION
C2
REV

QUALITY SYMBOLS
▼ 0
Ⓒ 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.05	± ---
1 PLACE	± 0.10	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

SCALE 4:1
DESIGN UNITS METRIC
THIRD ANGLE PROJECTION
REVISE ON CAD ONLY
DIMENSION STYLE MM ONLY

TITLE
VHDM 8-ROW DAUGHTERCARD STACKER CONNECTOR SALES DRAWING

DRAWN BY SREED DATE 2003/02/27
CHECKED BY JBINGHAM DATE 2003/02/27
APPROVED BY CBIXLER DATE 2003/02/27

MOLEX INCORPORATED

MATERIAL NO. SEE CHART
DOCUMENT NO. SD-75117-001
SHEET NO. 2 OF 2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

D

fb_frame_D
Rev. B1 2000/08/01

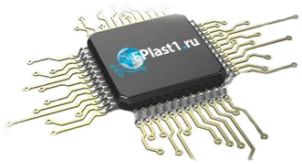
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)
Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.