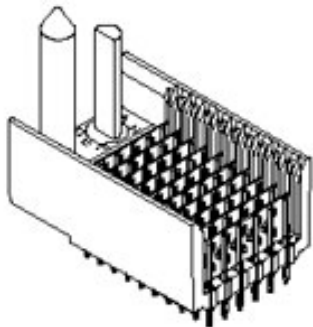


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Part Number: [0761361001](#)
Status: **Active**
Overview: [vhdm_h](#)
Description: 2.00mm (.079") Pitch VHDM® H Board-to-Board Backplane Header, Vertical, 8-Row, Guide Pin, Shield End Module, Open End Version, 80 Circuits, Pin Length 4.75mm (.187"), Tin/Lead

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

General	
Product Family	Backplane Connectors
Series	76136
Application	Backplane
Comments	No Keying Position
Component Type	PCB Header
Overview	vhdm_h
Product Name	VHDM® - H Series
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	Yes
Keying to Mating Part	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin-Lead
Material - Resin	High Temperature Thermoplastic
Number of Columns	10
Number of Pairs	Open Pin Field
Number of Rows	8
Orientation	Vertical
PC Tail Length (in)	0.072 In
PC Tail Length (mm)	1.83 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.072 In
PCB Thickness Recommended (mm)	1.83 mm
Packaging Type	Tube
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Pitch - Term. Interface (in)	0.089 In
Pitch - Term. Interface (mm)	2.25 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
Temperature Range - Operating	-55°C to +85°C



Series

image - Reference only

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.

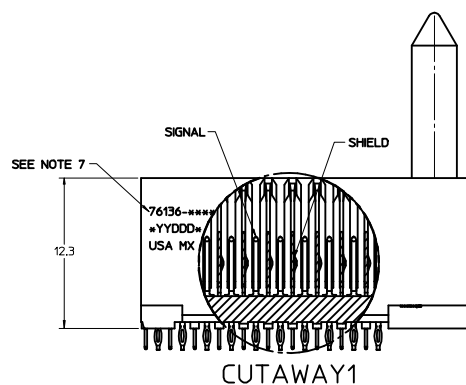
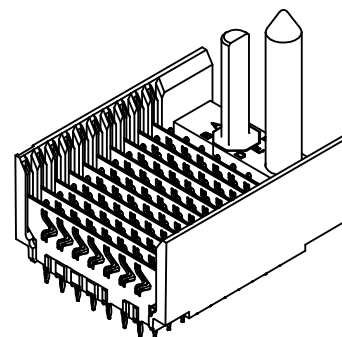
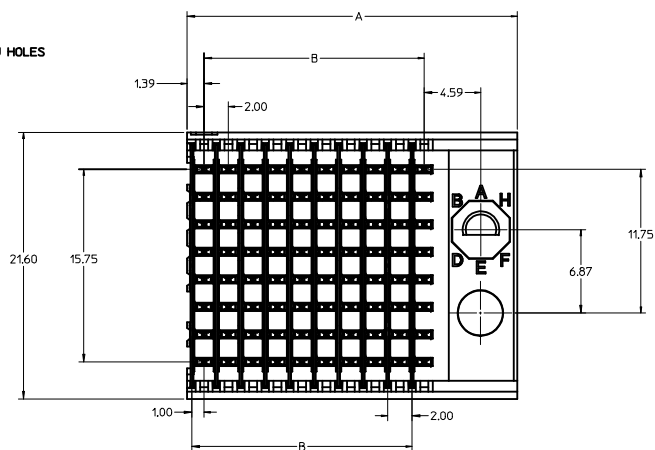
Search Parts in this Series
[76136Series](#)

Application Tooling FAQ	
<i>Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.</i>	
Global	
Description	Product #
VHDM® Signal Pin	0622015700
Inserter Repair Tool	
VHDM® 8 Row Pin	0622015900
and Shield Repair Tool	
VHDM® 8 Row	0622016100
Shield Extraction Tool	
VHDM® Insertion	0622020209
Module for Standard Shield Signal Header, 8 Row by	

Termination Interface: Style	Through Hole - Compliant Pin	10 Wide, 20.00mm (.787")
Electrical		
Current - Maximum per Contact	1A	
Data Rate	6.25 Gbps	
Real Signals (per 25mm)	75	
Shield Type	Ground Plane Shield	
Shielded	Yes	
Voltage - Maximum	120V AC (RMS)/DC	
Material Info		
Reference - Drawing Numbers		
Packaging Specification	PK-74061-003	
Product Specification	PS-74031-999	
Sales Drawing	SD-76136-001	
VHDM and Very High Density Metric are trademarks of Amphenol Corporation		

This document was generated on 05/27/2010

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NOTES:

1. MATERIALS:
 - HOUSING - LIQUID CRYSTAL POLYMER (LCP)
 - GLASS FILLED, UL94V-0, BLACK
2. FINISHES:
 - CONTACT AREA - SELECTIVE GOLD (Au)
 - PCB TAILS - SELECTIVE TIN/LEAD (SnPb) OR MATTE TIN (Sn)
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-74031-999.
4. FOR MIXED CONTACT LENGTH CONTACT MOLEX FOR AVAILABILITY.
5. FOR SPECIFIC MATERIAL NUMBERS AND MATING INFORMATION REFER TO SHEET 2.
6. PACKAGE PER PK-74061-003.
7. ASSEMBLY WILL BE MARKED WITH P/N AND DATE CODE WITH LASER MARK ON SIDE OF HOUSING OR BY LABEL ON THE TUBE.

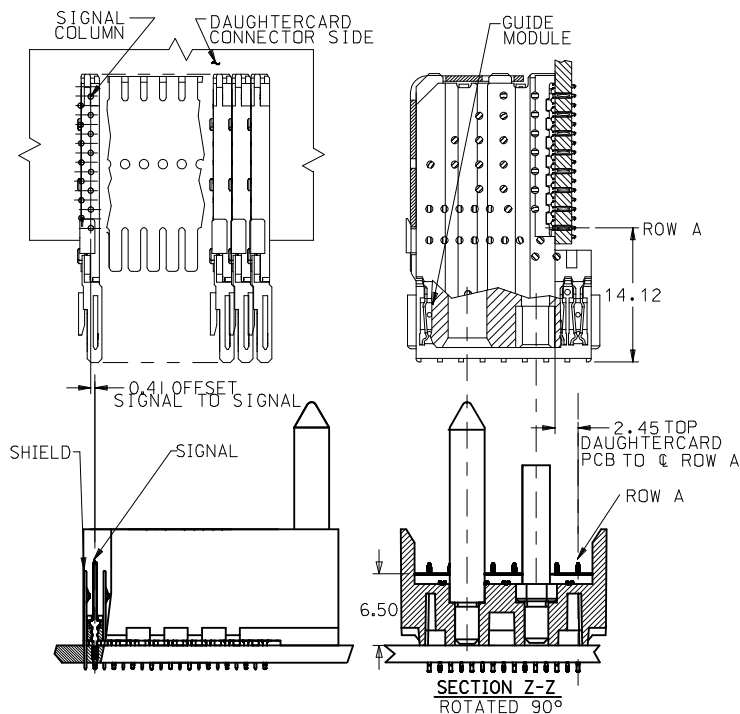
INITIAL RELEASE EC NO: UCP2008-2748 DSWGN: JON AK 2008/12/09 CHKD: JON AK 2008/12/09 APPR: JON AK 2008/12/09 1	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
	 	mm	INCH	DRAWN BY	DATE	TITLE	VHDM H-SERIES 8 ROW SHIELD END BACKPLANE SALES DRAWING  MOLEX INCORPORATED		
	4 PLACES $\pm$ ----	$\pm$ ----	JJONI AK	2008/04/11	CHECKED BY	DATE			
	3 PLACES $\pm$ ----	$\pm$ ----	B INGHAM	2008/04/11	APPROVED BY	DATE			
	2 PLACES $\pm$ 0.15	$\pm$ ----	B INGHAM	2008/04/11	MATERIAL NO.	DOCUMENT NO.			
	1 PLACE $\pm$ 0.25	$\pm$ ----	ANGULAR $\pm 1/2^\circ$		SEE PAGE 2				
	DRAFT WHEN APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				SHEET NO. 1 OF 2

M/N 76136-()	---0*	---1*	---2*	---3*	---4*	---5*	---6*	---7*	---8*
KEYING PIN ORIENTATION									

76136 - * * * *

NUMBER OF COLUMNS/PLATING
 10 = 10 COLUMN TIN/LEAD
 25 = 25 COLUMN TIN/LEAD
 90 = 10 COLUMN MATTE TIN
 85 = 25 COLUMN MATTE TIN

CONTACT LOAD
 (PIN LENGTH)
 1 & 6 = 4.75
 2 & 7 = 6.25
 3 & 8 = 4.25
 4 & 9 = 5.15



PART NUMBER	COLUMN	NUMBER OF SIGNAL PIN	NUMBER OF SHIELD	A	B	M	Au (um) THICKNESS	Sn (um) THICKNESS
76136-*0*1	10	80	10	27.00	18.00	4.75	0.76	0.76-1.52
76136-*0*6							1.27	
76136-*5*1	25	200	25	57.00	48.00	6.25	0.76	
76136-*5*6							1.27	
76136-*0*2	10	80	10	27.00	18.00	4.25	0.76	
76136-*0*7							1.27	
76136-*5*2	25	200	25	57.00	48.00	5.15	0.76	
76136-*5*7							1.27	
76136-*0*3	10	80	10	27.00	18.00		0.76	
76136-*0*8							1.27	
76136-*5*3	25	200	25	57.00	48.00		0.76	
76136-*5*8							1.27	
76136-*0*4	10	80	10	27.00	18.00		0.76	
76136-*0*9							1.27	
76136-*5*4	25	200	25	57.00	48.00		0.76	
76136-*5*9							1.27	

INITIAL RELEASE EC NO: UCP2008-2748 DRWN: JONIAK 2008/12/01 CHKD: JONIAK 2008/12/02 APPR: JLAURX 2008/12/03	QUALITY SYMBOLS ▼=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <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>± 0.15</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.25</td> <td>± ---</td> </tr> </table>			mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.15	± ---	1 PLACE	± 0.25	± ---	DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		mm	INCH																				
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1 PLACE	± 0.25	± ---																					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		VHDM H-SERIES 8 ROW SHIELD END BACKPLANE SALES DRAWING																			
MATERIAL NO.		DATE 2008/04/11		MOLEX INCORPORATED																			
DOCUMENT NO.		DATE 2008/04/11		SD-76136-001																			
SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					