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Part Number:

0767638501

Status:

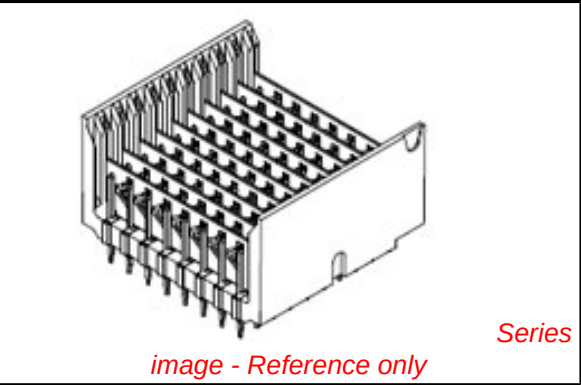
Active

Overview:

vhdm_h

Description:

2.00mm (.079") Pitch VHDM® H Board-to-Board Backplane Header, Vertical, 6-Row, Open End Module, Open Ends Version, 60 Circuits, Pin Length 4.75mm (.187"), Lead Free



Documents:

[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

[Product Specification PS-74031-999 \(PDF\)](#)

General	
Product Family	Backplane Connectors
Series	76763
Application	Backplane
Comments	No Keying Position
Component Type	PCB Header
Overview	vhdm_h
Product Name	VHDM® - H Series
Style	N/A
Physical	
Circuits (Loaded)	150
Circuits (maximum)	150
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 Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Columns	25
Number of Pairs	Open Pin Field
Number of Rows	6
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

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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

76763Series

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.

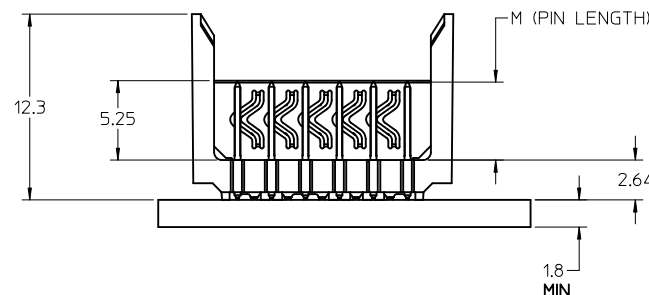
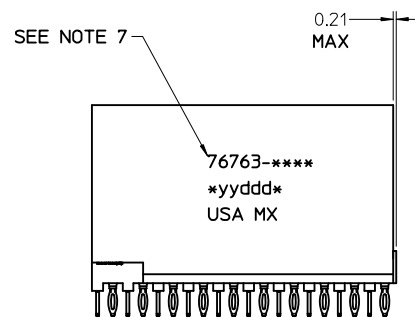
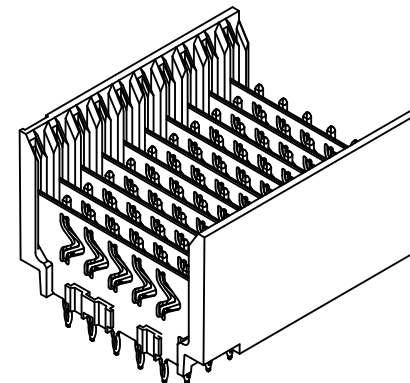
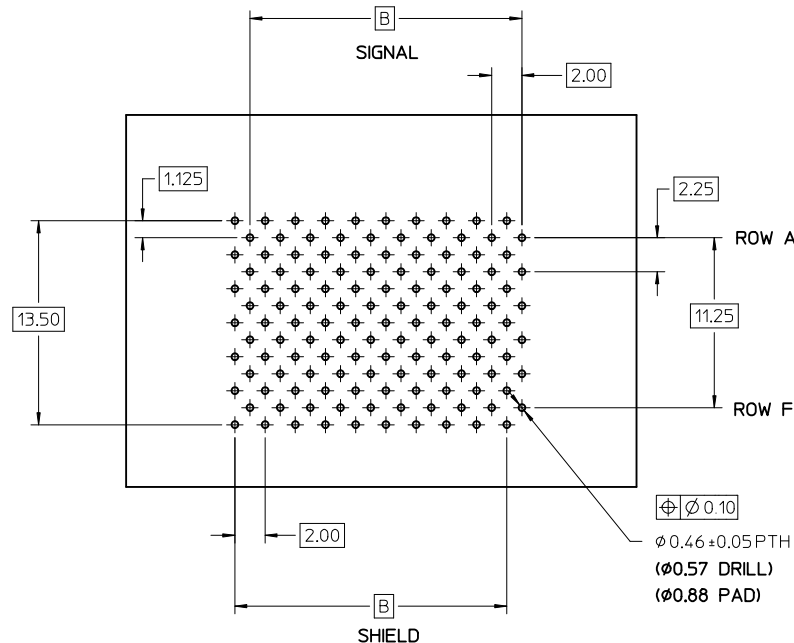
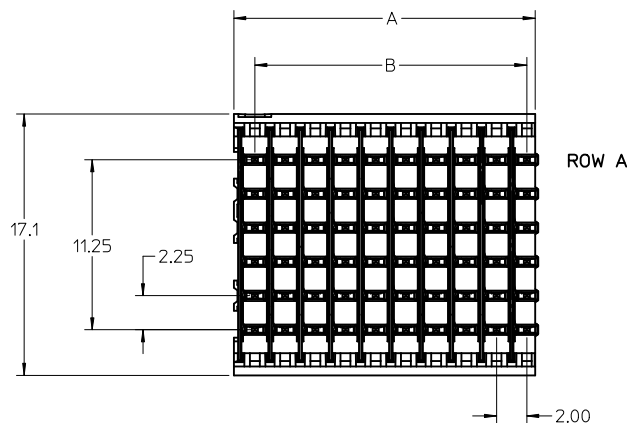
Global

Description	Product #
VHDM® Signal Pin	0622015700
Insertor Repair Tool	
VHDM® 6 Row Pin	0622015800
and Shield Repair Tool	
VHDM® 6 Row	0622016000
Shield Extraction Tool	
VHDM® Insertion	0622020208
Module for Standard	
Shield Signal Header, 6 Row by	

Termination Interface: Style	Through Hole - Compliant Pin	25 Wide, 50.00mm (1.97")
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-74057-003	
Product Specification	PS-74031-999	
Sales Drawing	SD-76763-001	
VHDM and Very High Density Metric are trademarks of Amphenol Corporation		

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NOTES:

1. MATERIALS:

HOUSING - LIQUID CRYSTAL POLYMER (LCP)

GLASS FILLED, UL94V-0, BLACK

SIGNAL PIN AND SHIELD - COPPER ALLOY

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-74057-003.

7. ASSEMBLY WILL BE MARKED WITH P/N AND DATE CODE WITH LASER MARK ON SIDE OF HOUSING OR BY LABEL ON THE TUBE.

SEE SHEET 2	EC NO: UCP2010-1510 DRWN: JONI AK CHKD: JELTON APPR: MILLER	2010/03/05 2010/03/09 2010/03/09	DESCRIPTION	REV B	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
						4 PLACES 3 PLACES 2 PLACES 1 PLACE	mm INCH		DRAWN BY JONI AK CHECKED BY JONI AK APPROVED BY SMILLER	DATE 2008/07/09 2008/07/09 2010/03/09	TITLE VHDM H-SERIES 6 ROW OPEN END BACKPLANE			
							± --- ± ---							
							± --- ± ---							
							± 0.15 ± ---							
							± 0.25 ± ---							
ANGULAR ±1/2°			MATERIAL NO.		DOCUMENT NO.		SHEET NO.							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE SHEET 2		SD-76763-001		1 OF 2							
								SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

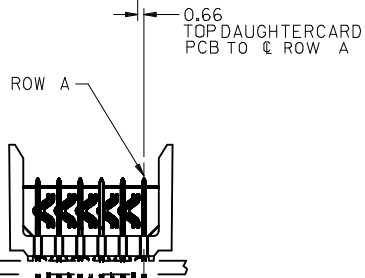
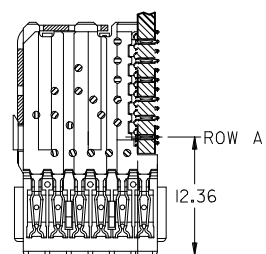
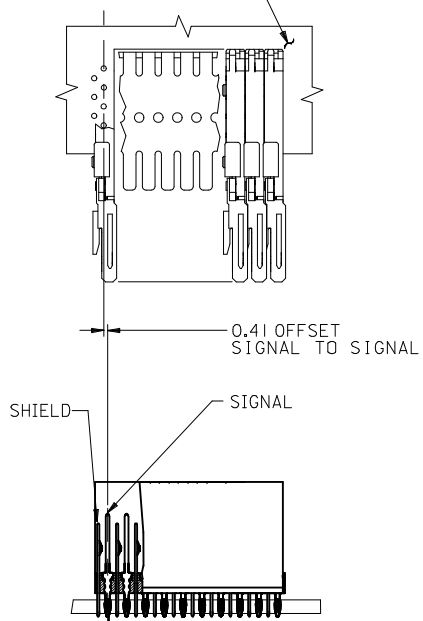
PART NUMBER	COLUMN	NUMBER OF SIGNAL PIN	NUMBER OF SHIELD	A	B	M	Au (um) THICKNESS
76763-1001	10	60	10	20.00	18.00	4.75	0.76
76763-1006							1.27
76763-1501	15	90	15	30.00	28.00		0.76
76763-1506							1.27
76763-2501	25	150	25	50.00	48.00		0.76
76763-2506							1.27
76763-1002	10	60	10	20.00	18.00	6.25	0.76
76763-1007							1.27
76763-1502	15	90	15	30.00	28.00		0.76
76763-1507							1.27
76763-2502	25	150	25	50.00	48.00		0.76
76763-2507							1.27
76763-1003	10	60	10	20.00	18.00	4.25	0.76
76763-1008							1.27
76763-1503	15	90	15	30.00	28.00		0.76
76763-1508							1.27
76763-2503	25	150	25	50.00	48.00		0.76
76763-2508							1.27
76763-1004	10	60	10	20.00	18.00	5.15	0.76
76763-1009							1.27
76763-1504	15	90	15	30.00	28.00		0.76
76763-1509							1.27
76763-2504	25	150	25	50.00	48.00		0.76
76763-2509							1.27

TIN/LEAD TABLE

PART NUMBER	COLUMN	NUMBER OF SIGNAL PIN	NUMBER OF SHIELD	A	B	M	Au (um) THICKNESS	
76763-9001	10	60	10	20.00	18.00	4.75	0.76	
76763-9006							1.27	
76763-9501	15	90	15	30.00	28.00		0.76	
76763-9506							1.27	
76763-8501	25	150	25	50.00	48.00		0.76	
76763-8506							1.27	
76763-9002	10	60	10	20.00	18.00	0.76		
76763-9007						1.27		
76763-9502	15	90	15	30.00	28.00	6.25	0.76	
76763-9507							1.27	
76763-8502	25	150	25	50.00	48.00		0.76	
76763-8507							1.27	
76763-9003	10	60	10	20.00	18.00		0.76	
76763-9008							1.27	
76763-9503	15	90	15	30.00	28.00	4.25	0.76	
76763-9508							1.27	
76763-8503	25	150	25	50.00	48.00		0.76	
76763-8508							1.27	
76763-9004	10	60	10	20.00	18.00		5.15	0.76
76763-9009								1.27
76763-9504	15	90	15	30.00	28.00	0.76		
76763-9509						1.27		
76763-8504	25	150	25	50.00	48.00	0.76		
76763-8509						1.27		

LEAD FREE TABLE

SIGNAL COLUMN
DAUGHTERCARD CONNECTOR SIDE



MATERIAL NUMBER ASSIGNMENT

76763-** **SEE TABLES

NUMBER OF COLUMNS/PLATING
 10 = 10 COLUMN TIN/LEAD
 15 = 15 COLUMN TIN/LEAD
 25 = 25 COLUMN TIN/LEAD
 90 = 10 COLUMN MATTE TIN
 95 = 15 COLUMN MATTE TIN
 85 = 25 COLUMN MATTE TIN

CORRECT P/S IN TABLES EC NO: UCP2010-1510 DRWN: JONIAK 2010/03/05 CHKD: JMLTON 2010/03/09 APPR: SMILLER 2010/03/09	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																										
		<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	± ---	<table border="1"> <tr> <th>DRAWN BY</th> <th>DATE</th> </tr> <tr> <td>JONIAK</td> <td>2008/07/09</td> </tr> <tr> <th>CHECKED BY</th> <th>DATE</th> </tr> <tr> <td>JONIAK</td> <td>2008/07/09</td> </tr> <tr> <th>APPROVED BY</th> <th>DATE</th> </tr> <tr> <td>SMILLER</td> <td>2010/03/09</td> </tr> </table>		DRAWN BY	DATE	JONIAK	2008/07/09	CHECKED BY	DATE	JONIAK	2008/07/09	APPROVED BY	DATE	SMILLER	2010/03/09	TITLE VHDM H-SERIES 6 ROW OPEN END BACKPLANE	
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