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Part Number: [0767628501](#)
Status: **Active**
Overview: [vhdm_h](#)
Description: 2.00mm (.079") Pitch VHDM® H Board-to-Board Backplane Header, Vertical, 6-Row, Guide Pin, Shield End Module, Open End Version, 150 Circuits, Pin Length 4.75mm (.187"), Lead Free

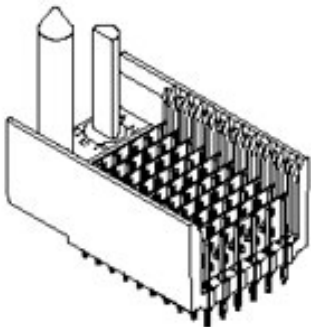
Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-74031-999 \(PDF\)](#)

General

Product Family	Backplane Connectors
Series	76762
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	Yes
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



Series

image - Reference only

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
[76762Series](#)

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.*

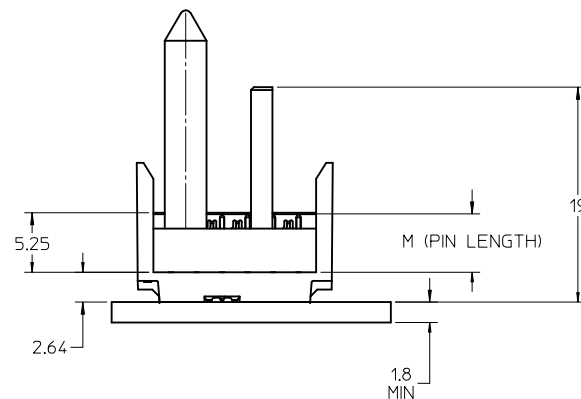
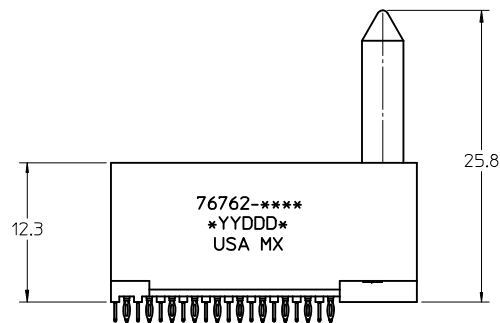
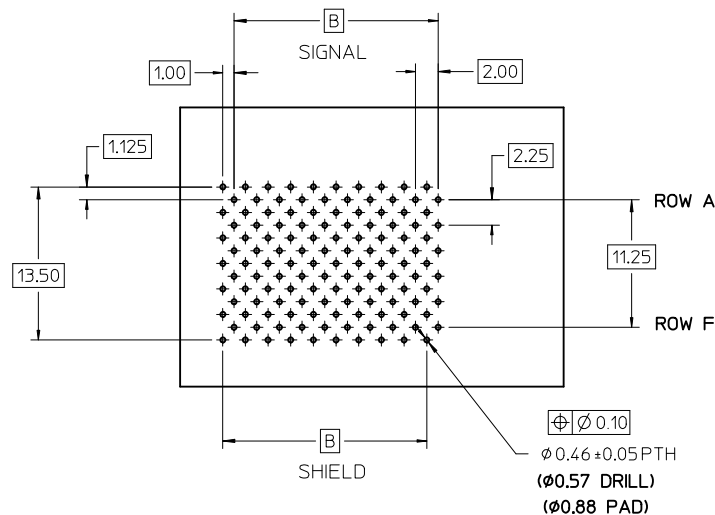
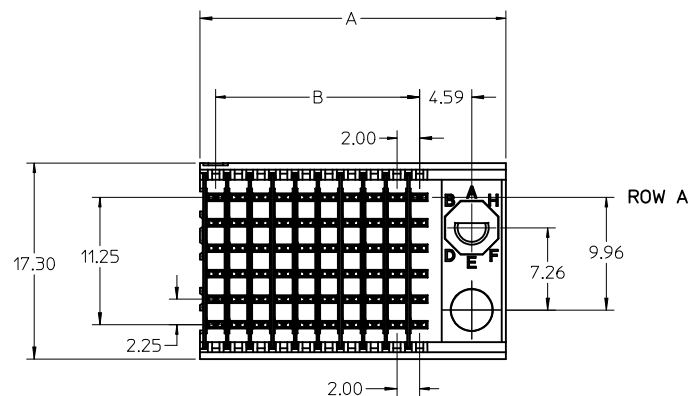
Global

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

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-74058-003	
Product Specification	PS-74031-999	
Sales Drawing	SD-76762-001	
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-74058-003.

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

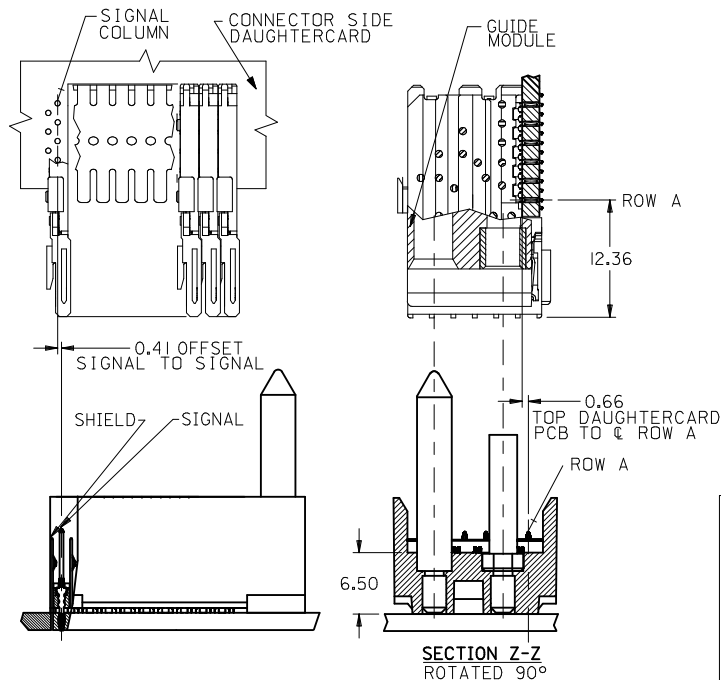
CHANGE PK SPEC EC NO: UCP2010-1510 DRWN: JONIAK 2010/03/05 CHKD: JELTON 2010/03/09 APPR: SMILLER 2010/03/09	REV B	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION				
				mm		INCH		DRAWN BY JONIAK DATE 2008/07/09		TITLE VHDM H-SERIES 6 ROW BACKPLANE SHIELD END MOLEX INCORPORATED					
				4 PLACES	± ---	± ---	CHECKED BY JONIAK DATE 2008/07/09								
				3 PLACES	± ---	± ---									
				2 PLACES	± 0.15	± ---									
				1 PLACE	± 0.25	± ---	APPROVED BY SMILLER DATE 2010/03/09		molex MOLEX INCORPORATED						
				ANGULAR ±1/2°			MATERIAL NO.		DOCUMENT NO.			SHEET NO.			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		SD-76762-001			1 OF 2			
							SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

M/N 76762-()	---0*	---1*	---2*	---3*	---4*	---5*	---6*	---7*	---8*
KEYING PIN ORIENTATION	O	A	B	C	D	E	F	G	H

76762 - * * * *

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
76762 - *0 *1	10	60	10	27.00	18.00	4.75	0.76	0.76-1.52
76762 - *0 *6							1.27	
76762 - *5 *1	25	150	25	57.00	48.00	4.75	0.76	
76762 - *5 *6							1.27	
76762 - *0 *2	10	60	10	27.00	18.00	6.25	0.76	
76762 - *0 *7							1.27	
76762 - *5 *2	25	150	25	57.00	48.00	6.25	0.76	
76762 - *5 *7							1.27	
76762 - *0 *3	10	60	10	27.00	18.00	4.25	0.76	
76762 - *0 *8							1.27	
76762 - *5 *3	25	150	25	57.00	48.00	4.25	0.76	
76762 - *5 *8							1.27	
76762 - *0 *4	10	60	10	27.00	18.00	5.15	0.76	
76762 - *0 *9							1.27	
76762 - *5 *4	25	150	25	57.00	48.00	5.15	0.76	
76762 - *5 *9							1.27	

SEE SHEET 1	EC NO: UCP2010-1510 DRWN: JONI AK CHKD: JNELTON APPR: SMILLER	2010/03/05 2010/03/09 2010/03/09	DESCRIPTION	REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE VHDM H-SERIES 6 ROW BACKPLANE SHIELD END				
						mm		INCH		DRAWN BY JJONI AK		DATE 2008/07/09			MOLEX MOLEX INCORPORATED			
						4 PLACES ± ---		± ---		CHECKED BY JJONI AK		DATE 2008/07/09						
						3 PLACES ± ---		± ---		APPROVED BY SMILLER		DATE 2010/03/09						
						2 PLACES ± 0.15		± ---		MATERIAL NO.		DOCUMENT NO.						
						1 PLACE ± 0.25		± ---		SEE TABLE		SD-76762-001						
						ANGULAR ±1/2°						SHEET NO. 2 OF 2						
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						SIZE C						
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