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Part Number: [0767611001](#)
Status: **Active**
Overview: [vhdm_h](#)
Description: 2.00mm (.079") Pitch VHDM® H Board-to-Board Backplane Header, Vertical, 6-Row, Guide Pin, Signal End Module, Open End Version, 60 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	76761
Application	Backplane
Comments	No Keying Position
Component Type	PCB Header
Overview	vhdm_h
Product Name	VHDM® - H Series
Style	N/A
Physical	
Circuits (Loaded)	60
Circuits (maximum)	60
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	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

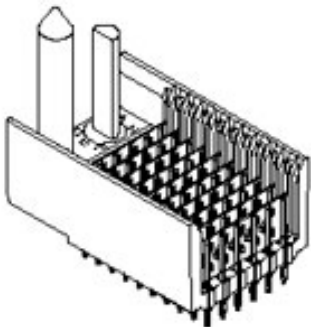


image - Reference only

Series

EU RoHS
RoHS Compliant by Exemption
REACH SVHC
Not Reviewed
Halogen-Free Status
Halogen-Free

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
[76761Series](#)

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® 6 Row Pin	0622015800
and Shield Repair Tool	
VHDM® 6 Row	0622016000
Shield Extraction Tool	
VHDM® Insertion	0622020207
Module for Advanced Mate Signal Header, 6 Row by 10 Wide, 20.00mm (.787")	

Termination Interface: Style	Through Hole - Compliant Pin
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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

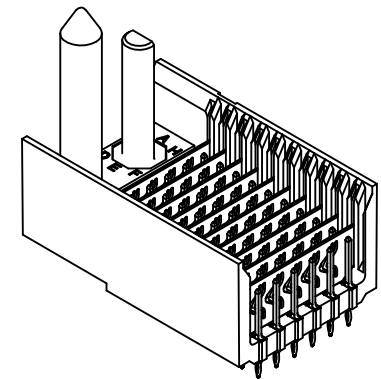
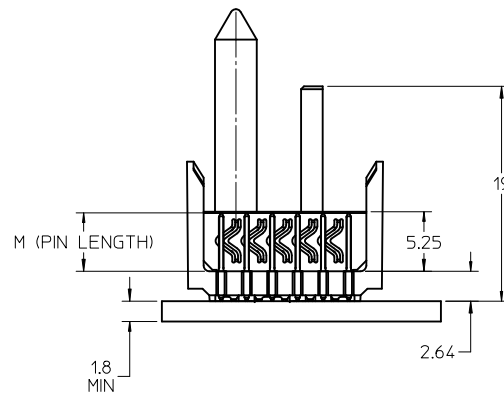
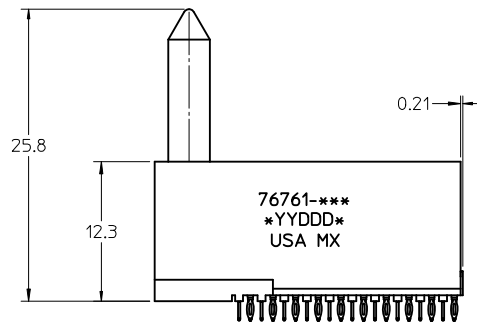
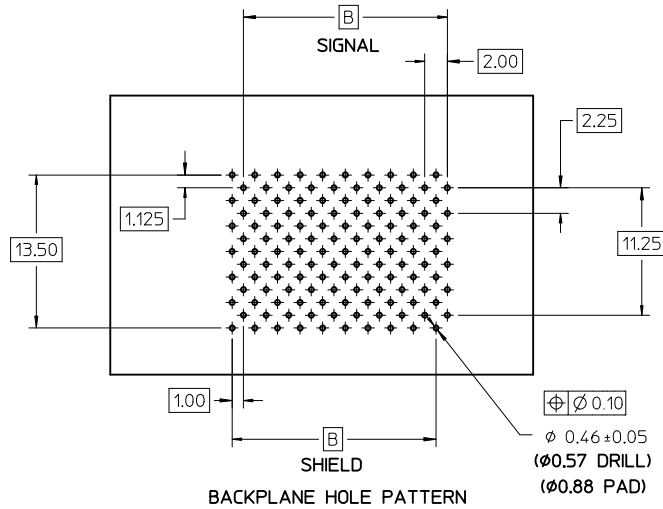
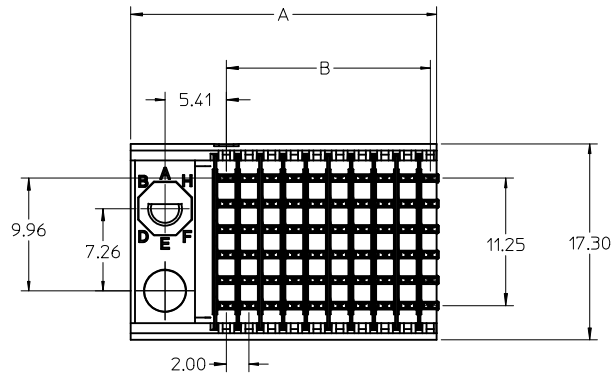
Reference - Drawing Numbers

Packaging Specification	PK-74058-003
Product Specification	PS-74031-999
Sales Drawing	SD-76761-001

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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.

CORRECT P/NS IN TABLE EC NO: UCP2010-1510 DRWN: J JONI AK CHKD: J MELLON APPR: S MILLER 2010/03/05 2010/03/09 2010/03/09	DESCRIPTION	REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
							DRAWN BY J JONI AK DATE 2008/07/09		TITLE VHDM H-SERIES 6 ROW BACKPLANE SIGNAL END MOLEX MOLEX INCORPORATED				
							CHECKED BY J JONI AK DATE 2008/07/09						
							APPROVED BY S MILLER DATE 2010/03/09						
							MATERIAL NO. SEE TABLE						
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			ANGULAR ±1/2°						
							4 PLACES ± --- ± ---						
							3 PLACES ± --- ± ---						
							2 PLACES ± 0.15 ± ---						
							1 PLACE ± 0.25 ± ---						
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													

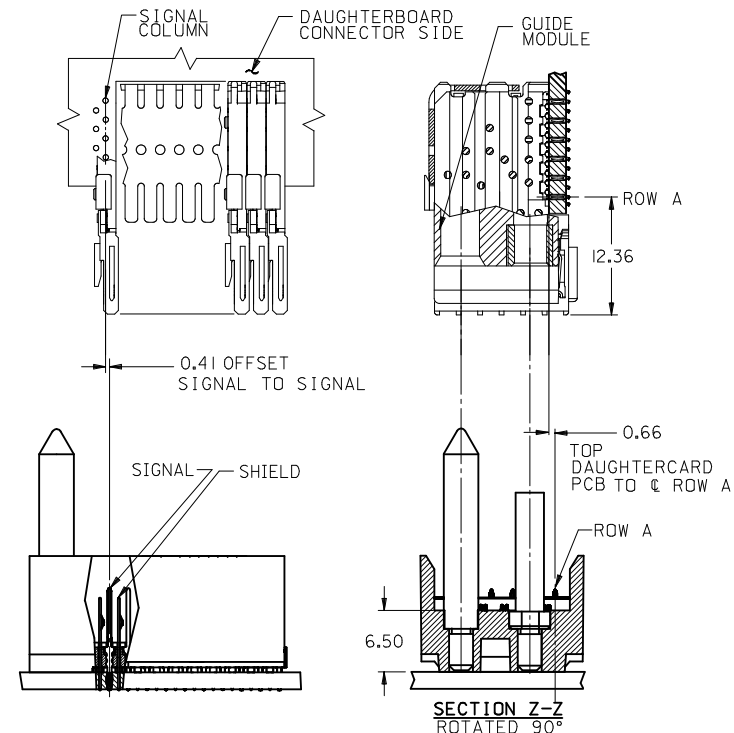
13	12	11	10	9	8	7	6	5	4	3	2	1
M/N 76761-()	---0*	---1*	---2*	---3*	---4*	---5*	---6*	---7*	---8*	76761 - * * *		
KEYING PIN ORIENTATION										NUMBER OF COLUMNS/PLATING 10 = 10 COLUMN TIN/LEAD 25 = 25 COLUMN TIN/LEAD 90 = 10 COLUMN MATTE TIN 85 = 25 COLUMN MATTE TIN CONTACT LOAD (PIN LENGTH) 1 & 6 = 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
76761-1001	10	60	10	20.00	18.00	4.75	0.76
76761-1006							1.27
76761-2501	25	150	25	50.00	48.00	6.25	0.76
76761-2506							1.27
76761-1002	10	60	10	20.00	18.00	6.25	0.76
76761-1007							1.27
76761-2502	25	150	25	50.00	48.00	4.25	0.76
76761-2507							1.27
76761-1003	10	60	10	20.00	18.00	5.15	0.76
76761-1008							1.27
76761-2503	25	150	25	50.00	48.00	5.15	0.76
76761-2508							1.27
76761-1004	10	60	10	20.00	18.00	5.15	0.76
76761-1009							1.27
76761-2504	25	150	25	50.00	48.00	5.15	0.76
76761-2509							1.27

TIN/LEAD CHART

PART NUMBER	COLUMN	NUMBER OF SIGNAL PIN	NUMBER OF SHIELD	A	B	M	Au (um) THICKNESS
76761-9001	10	60	10	20.00	18.00	4.75	0.76
76761-9006							1.27
76761-8501	25	150	25	50.00	48.00	6.25	0.76
76761-8506							1.27
76761-9002	10	60	10	20.00	18.00	4.25	0.76
76761-9007							1.27
76761-8502	25	150	25	50.00	48.00	5.15	0.76
76761-8507							1.27
76761-9003	10	60	10	20.00	18.00	5.15	0.76
76761-9008							1.27
76761-8503	25	150	25	50.00	48.00	5.15	0.76
76761-8508							1.27
76761-9004	10	60	10	20.00	18.00	5.15	0.76
76761-9009							1.27
76761-8504	25	150	25	50.00	48.00	5.15	0.76
76761-8509							1.27

LEAD FREE CHART



CORRECT P/NS IN TABLE EC NO: UCP2010-1510 DRWN: J JONIAK CHKD: J MELTON APPR: S MILLER	REV DESCRIPTION 2010/03/05 2010/03/09 2010/03/09	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 1/2°	DIMENSION STYLE MM ONLY DRAWN BY DATE J JONIAK 2008/07/09 CHECKED BY DATE J JONIAK 2008/07/09 APPROVED BY DATE S MILLER 2010/03/09	SCALE 1:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE VHDM H-SERIES 6 ROW BACKPLANE SIGNAL END	MOLEX INCORPORATED SD-76761-001	SHEET NO. 2 OF 2