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Part Number: [0767619001](#)
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"), Lead Free

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
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

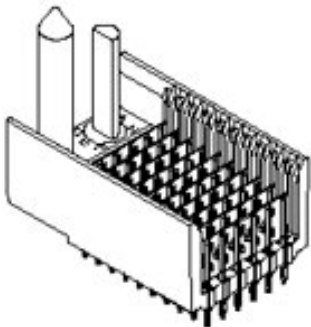


image - Reference only

Series

EU RoHS
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
[76761Series](#)

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	0622020207
Module for Advanced Mate Signal Header, 6 Row by 10 Wide, 20.00mm (.787")	

Termination Interface: Style	Through Hole - Compliant Pin
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

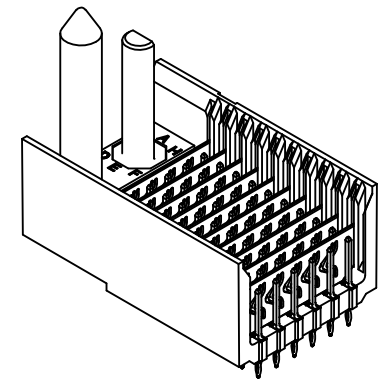
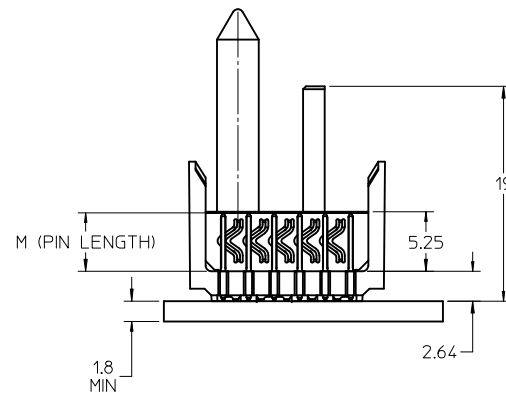
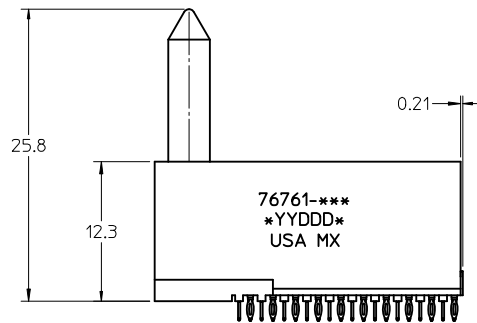
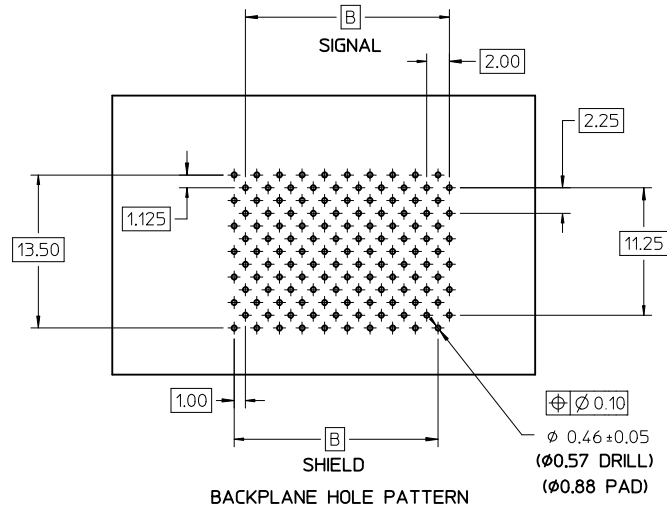
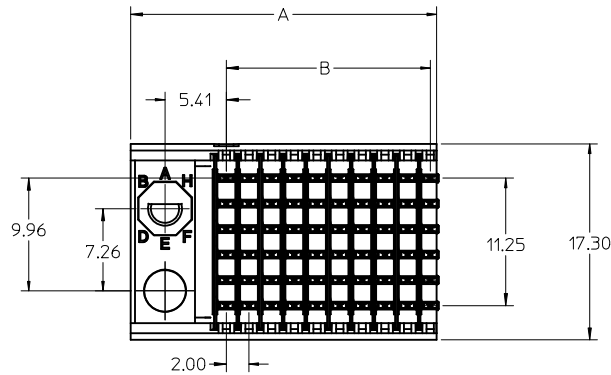
Reference - Drawing Numbers

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: UCP2010-4510 DRAWN: JONIAK CHKD: J-MELTON APPR: SMILLER	2010/03/05 2010/03/09 2010/03/09	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION	TITLE	VHDM H-SERIES 6 ROW BACKPLANE SIGNAL END	MOLEX INCORPORATED	SD-76761-001	SHEET NO. 1 OF 2	
					MM ONLY		2:1		METRIC								
					mm	INCH	DRAWN BY	DATE	JONI AK								2008/07/09
					4 PLACES ± .005	± .005	CHECKED BY	DATE	JONI AK								2008/07/09
					3 PLACES ± .005	± .005	APPROVED BY	DATE	SMILLER								2010/03/09
2 PLACES ± 0.15	± .005	ANGULAR ± 1/2°		MATERIAL NO.		DOCUMENT NO.											
1 PLACE ± 0.25	± .005	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

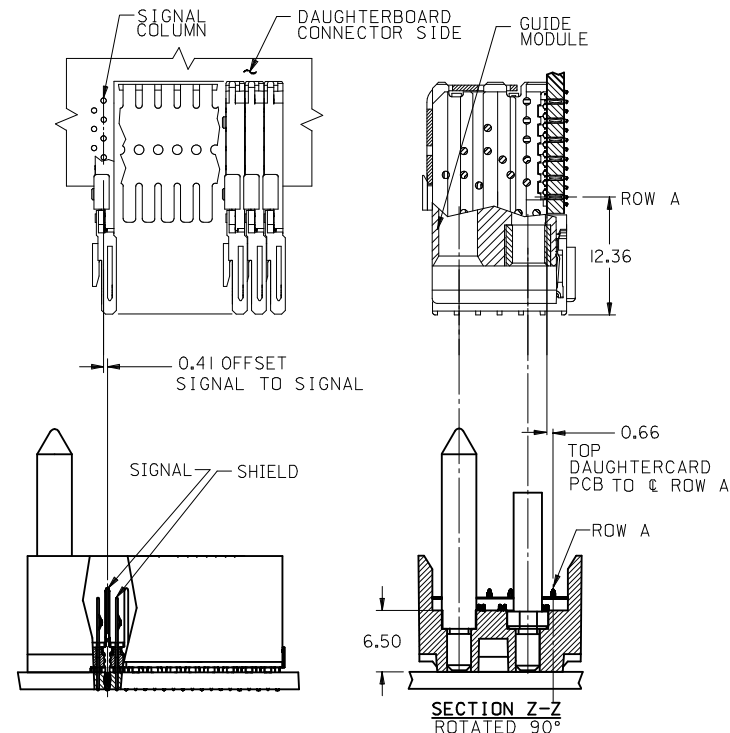
13	12	11	10	9	8	7	6	5	4	3	2	1
M/N 76761-()	---0*	---1*	---2*	---3*	---4*	---5*	---6*	---7*	---8*	76761 - * * *		
KEYING PIN ORIENTATION										NUMBER OF COLUMNS/PLATING 10 = 10 COLUMN TIN/LEAD 25 = 25 COLUMN TIN/LEAD 90 = 10 COLUMN MATTE TIN 85 = 25 COLUMN MATTE TIN CONTACT LOAD (PIN LENGTH) 1 & 6 = 4.75 2 & 7 = 6.25 3 & 8 = 4.25 4 & 9 = 5.15		

PART NUMBER	COLUMN	NUMBER OF SIGNAL	NUMBER OF PIN 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	NUMBER OF PIN 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	6.25	0.76
76761-9007							1.27
76761-8502	25	150	25	50.00	48.00	4.25	0.76
76761-8507							1.27
76761-9003	10	60	10	20.00	18.00	4.25	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 2010/03/05 DRWN: JONIAK CHKD: JONIAK APPR: SMILLER 2010/03/09	REV B	DESCRIPTION REV	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 JONIAK 2008/07/09 CHECKED BY DATE JONIAK 2008/07/09 APPROVED BY DATE SMILLER 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

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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