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Part Number: [0767629001](#)
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, 60 Circuits, Pin Length 4.75mm (.187"), Lead Free

Documents:

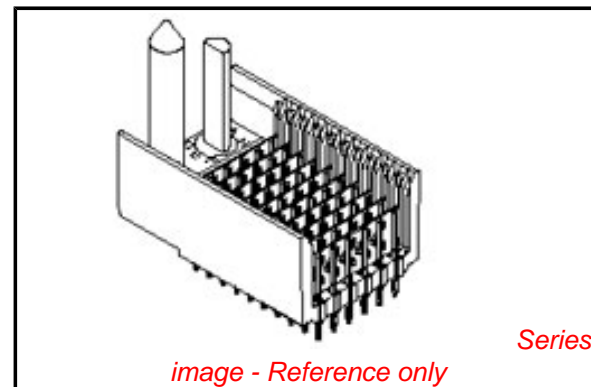
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-74031-999 \(PDF\)](#)

General

Product Family	Backplane Connectors
Series	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)	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



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

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

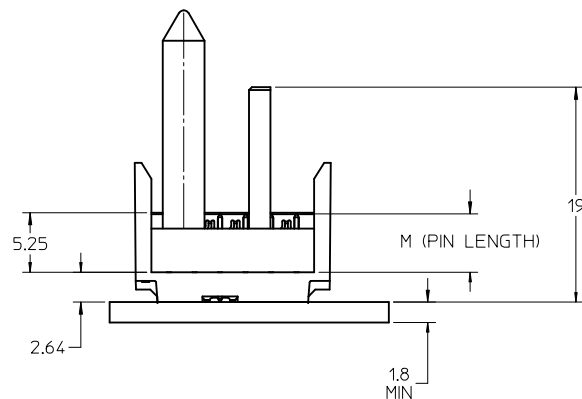
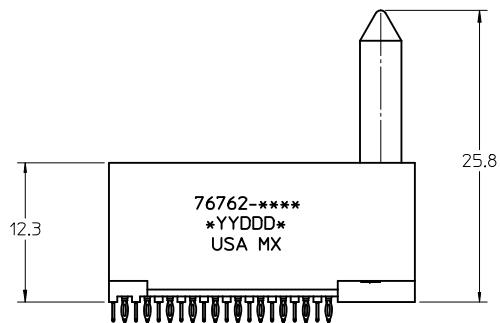
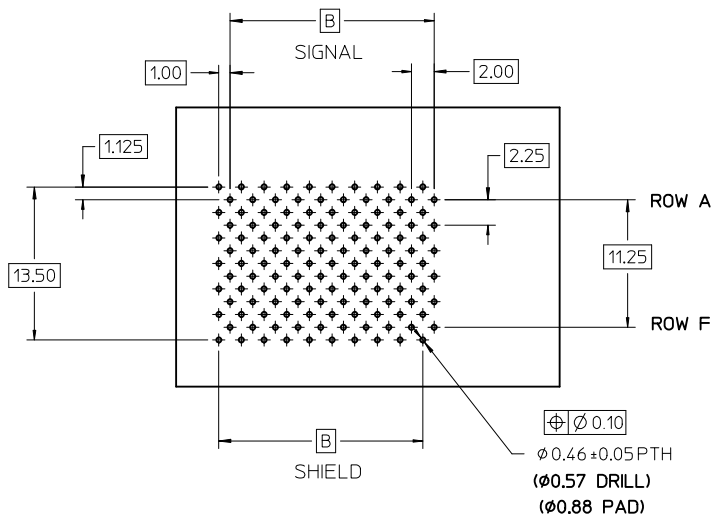
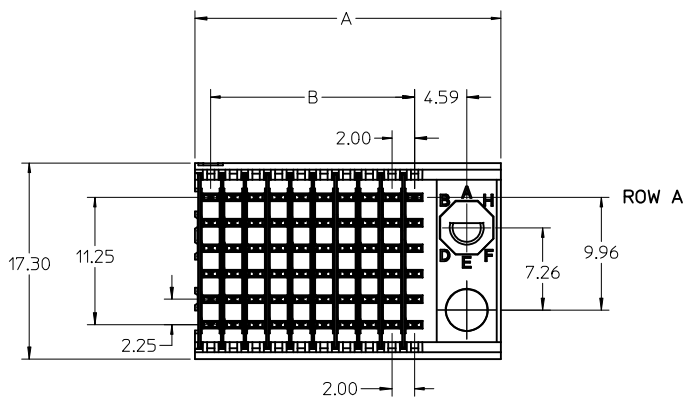
Sales Drawing

SD-76762-001

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This document was generated on 05/20/2010

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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	DESCRIPTION REV	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 JJONIAK	DATE 2008/07/09	VHDM H-SERIES 6 ROW BACKPLANE SHIELD END MOLEX INCORPORATED			
			4 PLACES ± ---	± ---	CHECKED BY JJONIAK	DATE 2008/07/09				
B			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY SMILLER	DATE 2010/03/09	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-76762-001	SHEET NO. 1 OF 2	

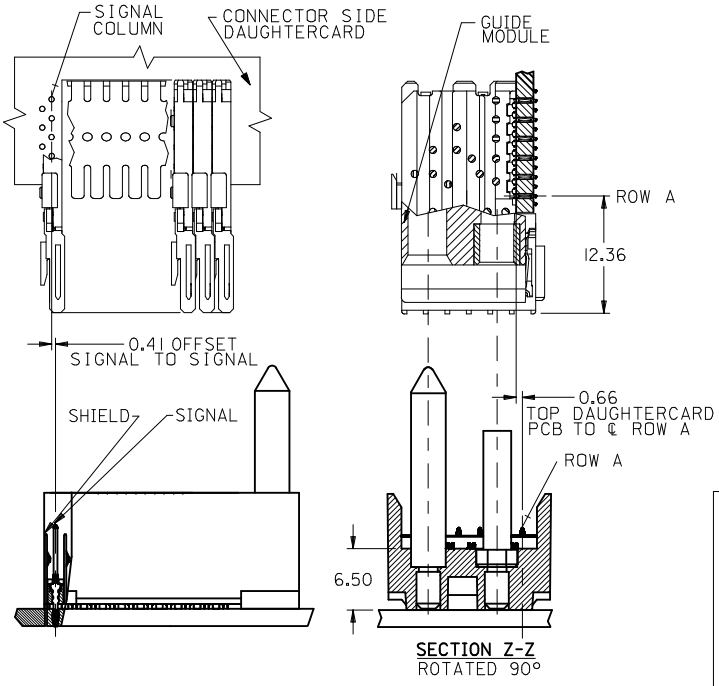
M/N 76762-()	---0*	---1*	---2*	---3*	---4*	---5*	---6*	---7*	---8*
KEYING PIN ORIENTATION									

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	NUMBER OF PIN	NUMBER OF SHIELD	A	B	M	Au (um) THICKNESS	Sn (um) THICKNESS
76762 - *0 *1	10	60	10	10	27.00	18.00	4.75	0.76	0.76-1.52
76762 - *0 *6								1.27	
76762 - *5 *1	25	150	25	25	57.00	48.00	4.75	0.76	
76762 - *5 *6								1.27	
76762 - *0 *2	10	60	10	10	27.00	18.00	6.25	0.76	
76762 - *0 *7								1.27	
76762 - *5 *2	25	150	25	25	57.00	48.00	6.25	0.76	
76762 - *5 *7								1.27	
76762 - *0 *3	10	60	10	10	27.00	18.00	4.25	0.76	
76762 - *0 *8								1.27	
76762 - *5 *3	25	150	25	25	57.00	48.00	4.25	0.76	
76762 - *5 *8								1.27	
76762 - *0 *4	10	60	10	10	27.00	18.00	5.15	0.76	
76762 - *0 *9								1.27	
76762 - *5 *4	25	150	25	25	57.00	48.00	5.15	0.76	
76762 - *5 *9								1.27	



SEE SHEET 1
 EC NO: UCP2010-1510
 DRWN: JONI AK 2010/03/05
 CHKD: JNELTON 2010/03/09
 APPR: SMILLER 2010/03/09

QUALITY SYMBOLS
 ▽=0
 ▽=0
 ▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
 mm INCH
 4 PLACES ± --- ± ---
 3 PLACES ± --- ± ---
 2 PLACES ± 0.15 ± ---
 1 PLACE ± 0.25 ± ---
 ANGULAR ± 1/2°

DRAFT WHERE APPLICABLE
 MUST REMAIN
 WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY DATE
 JONI AK 2008/07/09

CHECKED BY DATE
 JONI AK 2008/07/09

APPROVED BY DATE
 SMILLER 2010/03/09

MATERIAL NO.
SEE TABLE

SIZE
 C

SCALE
1:1

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

**VHDM H-SERIES
 6 ROW BACKPLANE
 SHIELD END**

MOLEX INCORPORATED

DOCUMENT NO.
SD-76762-001

SHEET NO.
2 OF 2

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