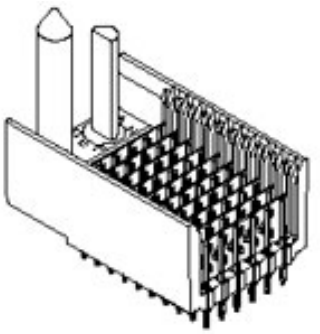
This document was generated on 05/20/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0767618501
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, 150 Circuits, Pin Length 4.75mm (.187"),Lead Free



Series image - Reference only

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)	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

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

China RoHS
50
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**

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 Inserter Repair Tool	0622015700
VHDM® 6 Row Pin and Shield Repair Tool	0622015800
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

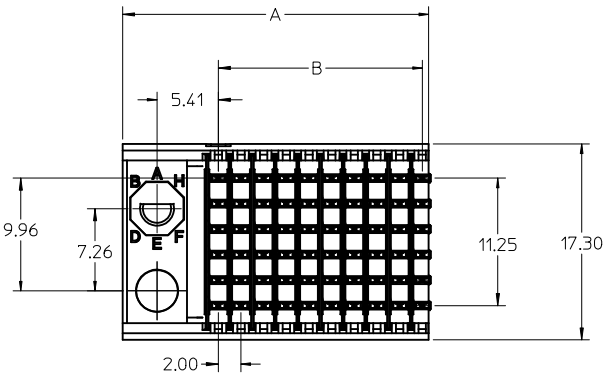
Current - Maximum per Contact	1A
Data Rate	6.25 Gbps
Real Signals (per 25mm)	75
Shield Type	Ground Plane Shield
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

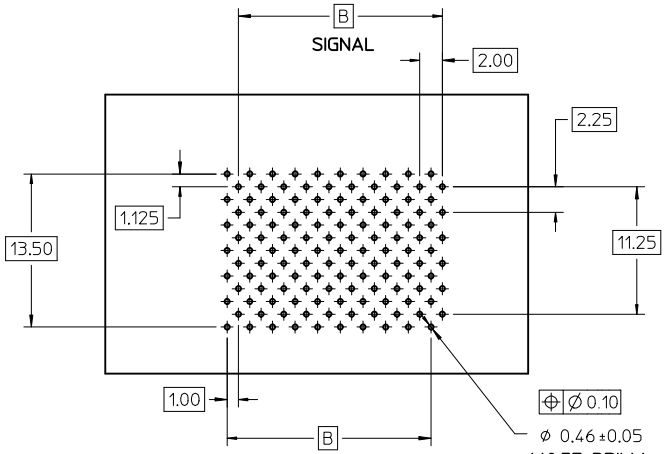
Material Info

Reference - Drawing Numbers

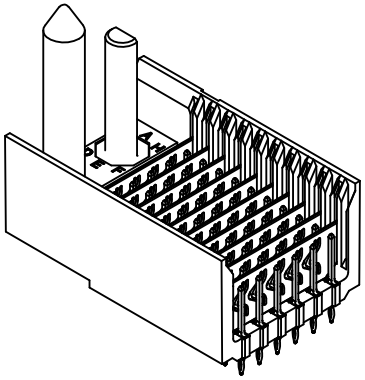
Packaging Specification	PK-74058-003
Product Specification	PS-74031-999
Sales Drawing	SD-76761-001

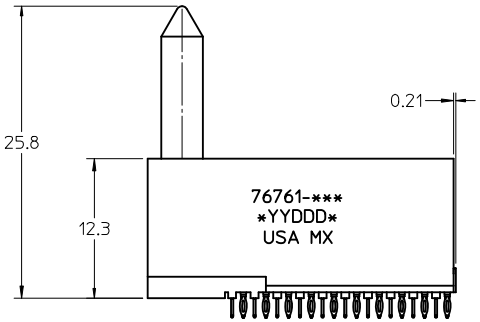
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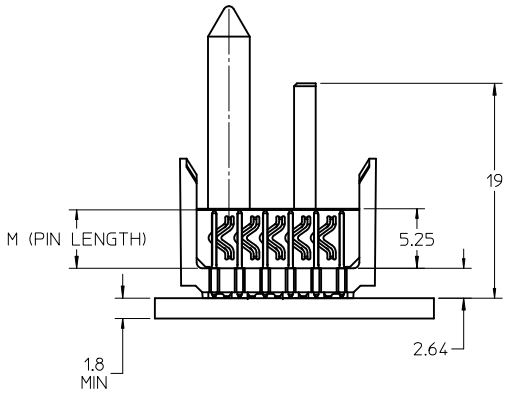




BACKPLANE HOLE PATTERN



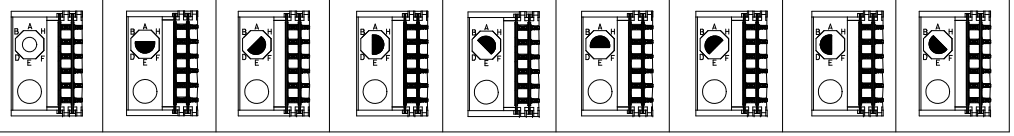




NOTES:
1. MATERIALS:
HOUSING - LIQUID CRYSTAL POLYMER (LCP)
GLASS FILLED, UL94V-0, BLACK
SIGNAL PIN AND SHIELD - COPPER ALLOY
2. FINISHES:
CONTACT AREA - SELECTIVE GOLD (Au)
PCB TAILS - SELECTIVE TIN/LEAD (SnPb) OR MATTE TIN (Sn)
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-74031-999.
4. FOR 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: JJONIAK 2010/03/05 CH'KD: JMELTON 2010/03/09 APPR: SMILLER 2010/03/09	DESCRIPTION	REV: B	QUALITY SYMBOLS E =0 F =0 P =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	SCALE: 2:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION	
					DRAWN BY: JJONIAK DATE: 2008/07/09 CHECKED BY: JJONIAK DATE: 2008/07/09 APPROVED BY: SMILLER DATE: 2010/03/09 MATERIAL NO.: SEE TABLE	TITLE: VHDM H-SERIES 6 ROW BACKPLANE SIGNAL END molex MOLEX INCORPORATED DOCUMENT NO.: SD-76761-001 SHEET NO.: 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 76761 -( )	-**0*	-**1*	-**2*	-**3*	-**4*	-**5*	-**6*	-**7*	-**8*
KEYING PIN ORIENTATION	0	A	B	C	D	E	F	G	H



76761 - * * * *

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

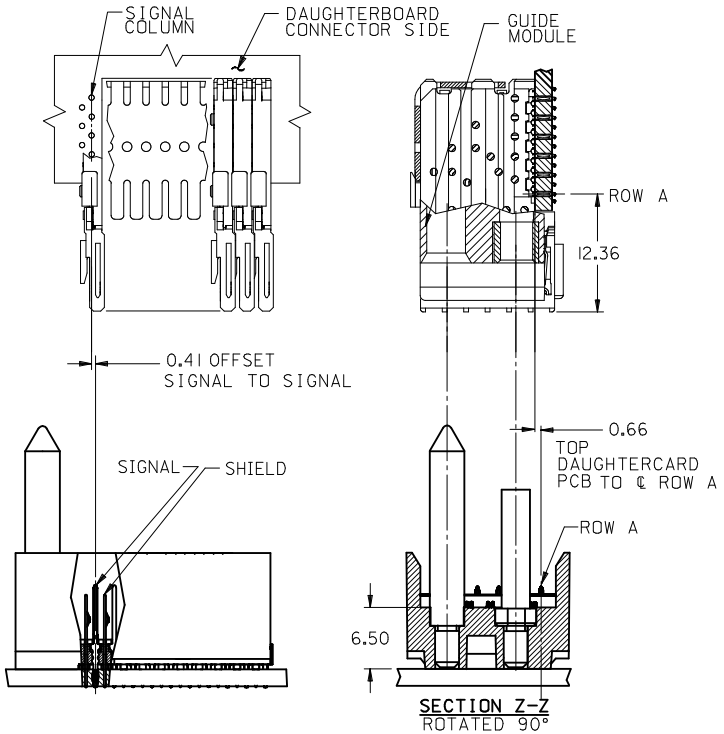
CONTACT LOAD (PIN LENGTH)
1 & 6 = 4.75
2 & 7 = 6.25
3 & 8 = 4.25
4 & 9 = 5.15

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		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		0.76
76761-2507							1.27
76761-1003	10	60	10	20.00	18.00	4.25	0.76
76761-1008							1.27
76761-2503	25	150	25	50.00	48.00		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		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		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		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		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		0.76
76761-8509							1.27

LEAD FREE CHART



CORRECT P/NS IN TABLE 2010/03/05
EC NO: UCP2010-1510
DRWN: JJONIAK 2010/03/09
CHKD: JMELTON
APPR: SMILLER

REV: B

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°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: JJONIAK DATE: 2008/07/09
CHECKED BY: JJONIAK DATE: 2008/07/09
APPROVED BY: SMILLER DATE: 2010/03/09
MATERIAL NO.: SEE CHART

TITLE: VHDM H-SERIES 6 ROW BACKPLANE SIGNAL END
MOLEX INCORPORATED
DOCUMENT NO.: SD-76761-001
SHEET NO.: 2 OF 2
SIZE: C

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