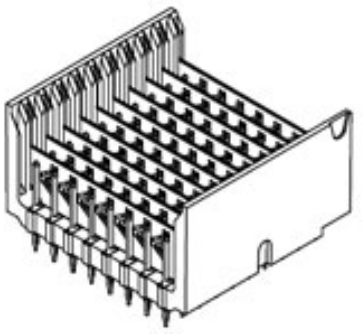
molex
one company > a world of innovation

This document was generated on 05/28/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0761341002
Status: Active
Overview: vhdm
Description: VHDM® H-Series Board-to-Board Backplane Header, 2.00mm (.079") Pitch, Vertical, 8-Row, Open Signal Module, 80 Circuits, Advance Mate Shield, Pin Length 6.25mm (.246")



Series image - Reference only

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

General

Product Family	Backplane Connectors
Series	76134
Application	Backplane
Comments	Open Header
Component Type	PCB Header
Overview	vhdm
Product Name	VHDM®
Style	N/A

Physical

Circuits (Loaded)	80
Circuits (maximum)	80
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	No
Keying to Mating Part	None
Material - Metal	Beryllium Copper, High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin-Lead
Material - Resin	High Temperature Thermoplastic
Number of Columns	N/A
Number of Pairs	Open Pin Field
Number of Rows	8
Orientation	Vertical
PC Tail Length (in)	0.067 In
PC Tail Length (mm)	1.70 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.070 In
PCB Thickness Recommended (mm)	1.80 mm
Packaging Type	Tube
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Pitch - Term. Interface (in)	0.039 In
Pitch - Term. Interface (mm)	1.00 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	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C

EU RoHS
RoHS Compliant by Exemption
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Halogen-Free

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
76134Series

Mates With
76021 VHDM® Board-to-Board Daughtercard Receptacle

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® 8 Row Pin and Shield Repair Tool	0622015900
VHDM® 8 Row Shield Extraction Tool	0622016100

Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	3A
Data Rate	2.5 Gbps
Shield Type	Ground Plane Shield
Shielded	Yes
Voltage - Maximum	30V AC (RMS)/DC

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

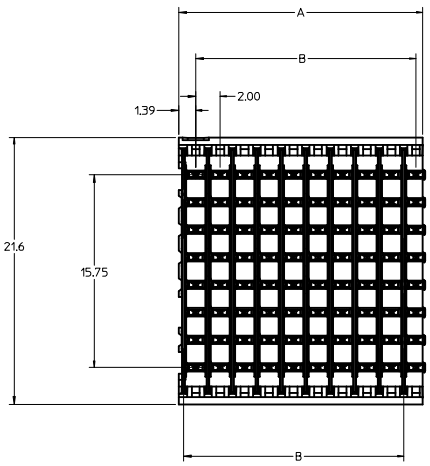
Material Info

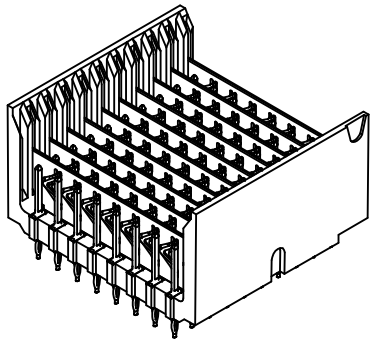
Reference - Drawing Numbers

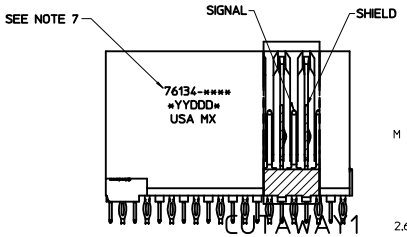
Packaging Specification	PK-74060-003
Product Specification	PS-74031-999
Sales Drawing	SD-76134-001

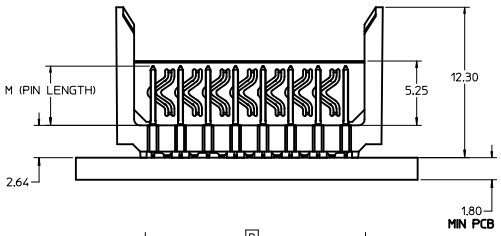
VHDM and Very High Density Metric are trademarks of Amphenol Corporation

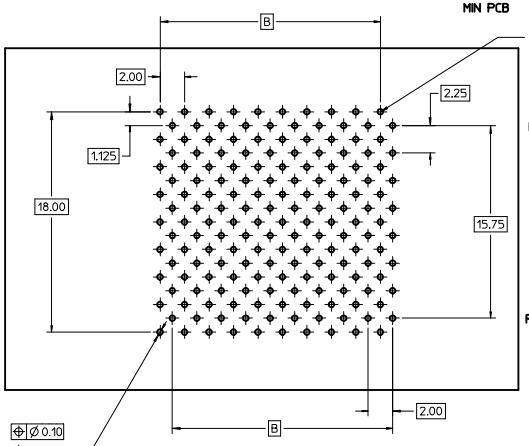
VHDM® Insertion Module for Standard Shield Signal Header, 8 Row by 10 Wide, 20.00mm (.787")	0622020209











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-74060-003.
7. ASSEMBLY WILL BE MARKED WITH P/N AND DATE CODE WITH LASER MARK ON SIDE OF HOUSING OR BY LABEL ON THE TUBE.

REV	DESCRIPTION	DRWN	CHKD	APPR	DATE
A	INITIAL RELEASE	JJONIAK	JJONIAK	JLAURX	2008/12/03
	EC NO: UCP2008-27748				2008/12/02
					2008/12/01

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: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	JJONIAK 2008/04/11
CHECKED BY	BINGHAM 2008/04/11
APPROVED BY	BINGHAM 2008/04/11
MATERIAL NO.	SEE PAGE 2
SIZE	D

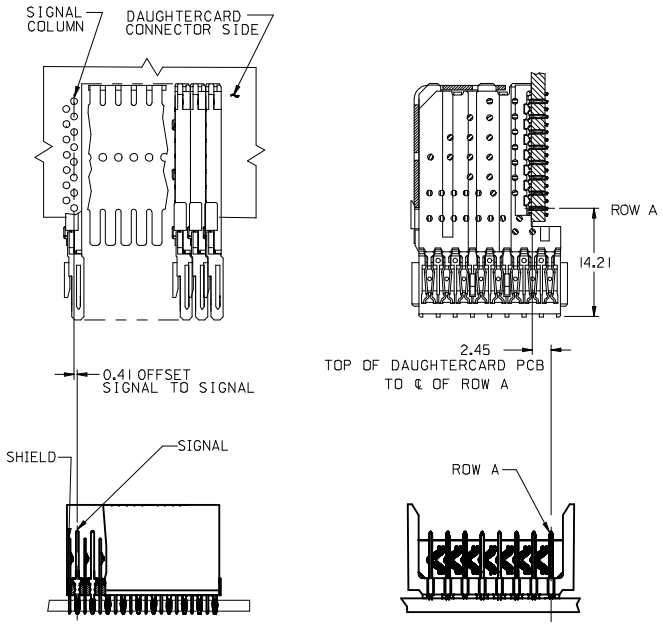
TITLE: VHDM H-SERIES 8 ROW OPEN END BACKPLANE SALES DRAWING

MOLEX INCORPORATED

DOCUMENT NO.: SD-76134-001
SHEET NO.: 1 OF 2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

PART NUMBER	COLUMN	NUMBER OF SIGNAL PIN	NUMBER OF SHIELD	A	B	M	Au (um) THICKNESS	Sn (um) THICKNESS
76134-*001	10	80	10	20.00	18.00	4.75	0.76	0.76-1.52
76134-*006							1.27	
76134-*501	25	200	25	50.00	48.00		0.76	
76134-*506							1.27	
76134-*002	10	80	10	20.00	18.00	6.25	0.76	
76134-*007							1.27	
76134-*502	25	200	25	50.00	48.00		0.76	
76134-*507							1.27	
76134-*003	10	80	10	20.00	18.00	4.25	0.76	
76134-*008							1.27	
76134-*503	25	200	25	50.00	48.00		0.76	
76134-*508							1.27	
76134-*004	10	80	10	20.00	18.00	5.15	0.76	
76134-*009							1.27	
76134-*504	25	200	25	50.00	48.00		0.76	
76134-*509							1.27	



MATERIAL NUMBER ASSIGNMENT

76134-** **

- ** — SEE TABLE
- ** — NUMBER OF COLUMNS/PLATING
  - 10 = 10 COLUMN TIN/LEAD
  - 25 = 25 COLUMN TIN/LEAD
  - 90 = 10 COLUMN MATTE TIN
  - 85 = 25 COLUMN MATTE TIN

INITIAL RELEASE
EC NO: UCP2008-2748 2008/12/01
DRWN: JJONIAK 2008/12/02
CHKD: JJONIAK 2008/12/03
APPR: JLAURX
DESCRIPTION
REV: A

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 2008/04/11
CHECKED BY: BINGHAM 2008/04/11
APPROVED BY: BINGHAM 2008/04/11
MATERIAL NO.: SEE CHART

TITLE: VHDM H-SERIES 8 ROW OPEN END BACKPLANE SALES DRAWING
MOLEX INCORPORATED
DOCUMENT NO.: SD-76134-001
SHEET NO.: 2 OF 2
SIZE: D

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION