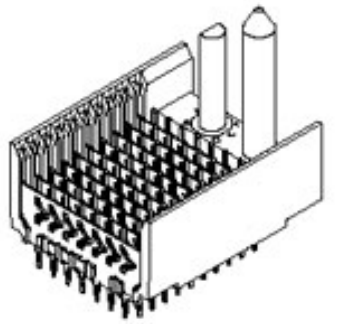
This document was generated on 05/19/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0740621021
Status: Active
Overview: vhdm
Description: 2.00mm (.079") Pitch VHDM® Board-to-Board Backplane Header, Vertical, 8-Row, Guide Pin Signal Module, Shield End Version, 80 Circuits, Pin Length 4.75mm (.187"), Keying Pin Orientation B



Series image - Reference only

Documents:
3D Model
Drawing (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

UL	E29179

General

Product Family	Backplane Connectors
Series	74062
Application	Backplane
Application Tooling Documents	Tooling Manual
Comments	Keying Position B
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
Flammability	94V-0
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Material - Metal	Beryllium Copper, High Performance Alloy (HPA), Stainless Steel
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)	0.098 In
PC Tail Length (mm)	2.50 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)	0.079 In
Pitch - Term. Interface (mm)	2.00 mm
Plating min: Mating (µin)	30

EU RoHS
RoHS Compliant by Exemption
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
74062Series

Mates With
74040 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 #
Flat Rock Tooling for Pneumatic Press	0622013700
VHDM® Signal Pin Inserter Repair Tool	0622015700
VHDM® 8 Row Pin and Shield Repair Tool	0622015900

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
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	1A
Data Rate	3.125 Gbps
Real Signals (per 25mm)	100
Shield Type	Ground Plane Shield
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

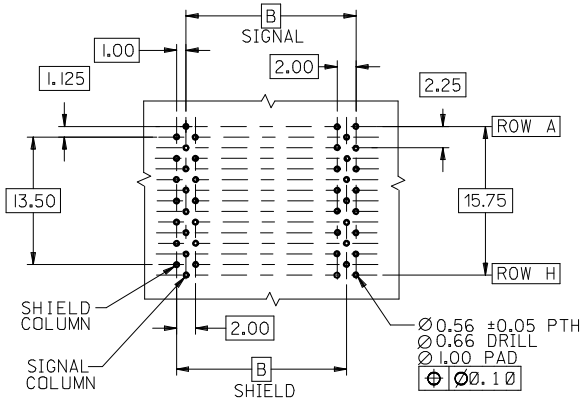
Material Info

Reference - Drawing Numbers

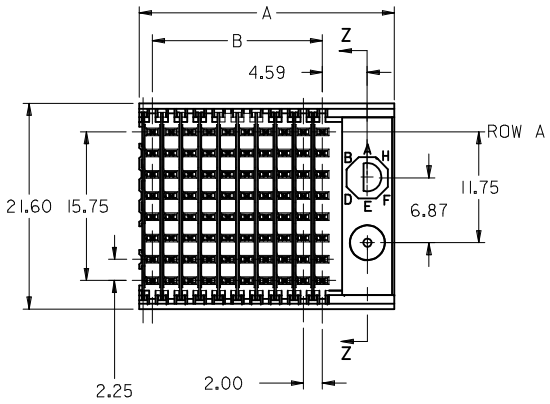
Sales Drawing	SD-74062-002

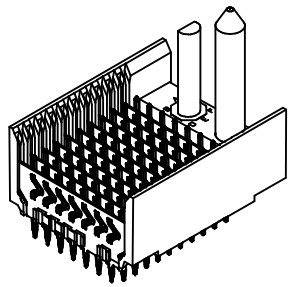
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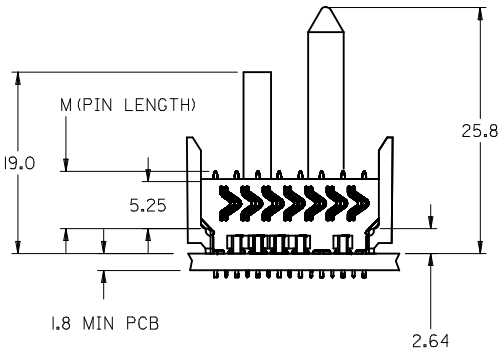
VHDM® 8 Row Shield Extraction Tool	0622016100
VHDM® Insertion Module for Advanced Mate Signal Header, 8 Row by 10 Wide, 20.00mm (.787")	0622020205
VHDM® Insertion Module for Standard Shield Signal Header, 8 Row by 10 Wide, 20.00mm (.787")	0622020209

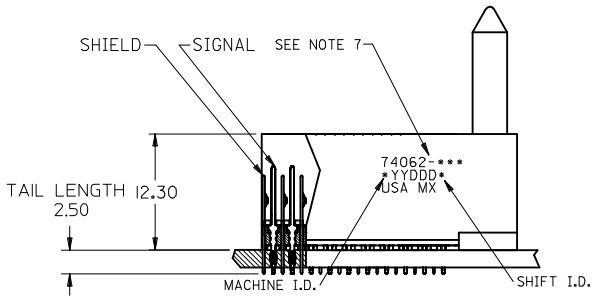


BACKPLANE HOLE PATTERN
RECOMMENDED DIMENSION









NOTES:
1. MATERIALS:
   HOUSING - LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL 94V-0, COLOR: BLACK
   SIGNAL PIN & SHIELD - COPPER ALLOY
2. FINISHES:
   CONTACT AREA: SELECTIVE GOLD (Au)
   PCB TAILS: SELECTIVE TIN/LEAD (Sn/Pb) OR SELECTIVE MATTE TIN (Sn)
   NICKEL (Ni) OVERALL.
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-74031-999
4. FOR MIXED CONTACT LENGTHS CONSULT MOLEX FOR AVAILABILITY
5. FOR SPECIFIC MATERIAL NUMBERS & MATING INFORMATION REFER TO SHEET 2
6. PACKAGE PER PK-74061-003
7. EITHER MARK PART WITH PART NUMBER & DATE CODE APPROXIMATELY WHERE SHOWN OR PLACE LABEL ON THE TUBE.

ADD NO GDE/NO KEY
EC NO: UCP2009-2089
DRWN:BSMART 2009/02/23
CH'KD:SDANNELLEY 2009/02/23
APPR:SMILLER 2009/02/23
DESCRIPTION
N
REV

QUALITY SYMBOLS
▼=0
▽(C)=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

		DATE
DRAWN BY	MWANG	1998/11/12
CHECKED BY	JLAURX	1998/11/12
APPROVED BY	CBIXLER	1998/11/12

TITLE: VHDM 8 ROW SHIELD END BACKPLANE SALES ASSEMBLY

MOLEX INCORPORATED

MATERIAL NO.: SEE SHEET 2
DOCUMENT NO.: SD-74062-002
SHEET NO.: 1 OF 2
SIZE: C

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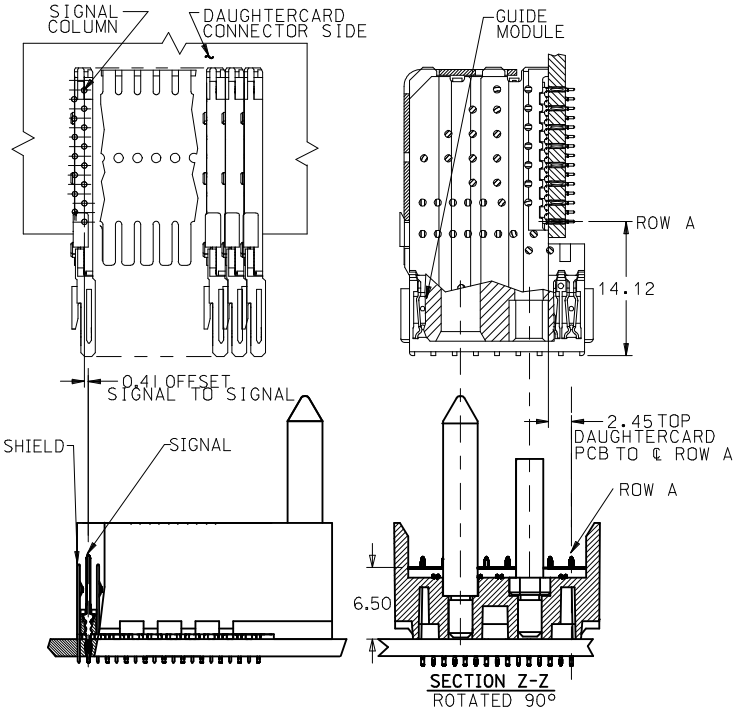
M/N 74062-( )	-**0*	-**1*	-**2*	-**3*	-**4*	-**5*	-**6*	-**7*	-**8*	-**9*
KEYING PIN ORIENTATION	0	A	B	C	D	E	F	G	H	9

NO GUIDE PIN
NO KEYING PIN

74062 - * * * *

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	Sn (um) THICKNESS
74062-*0*1	10	80	10	27.00	18.00	4.75	0.76	0.76-1.52
74062-*0*6							1.27	
74062-*5*1	25	200	25	57.00	48.00		0.76	
74062-*5*6							1.27	
74062-*0*2	10	80	10	27.00	18.00	6.25	0.76	
74062-*0*7							1.27	
74062-*5*2	25	200	25	57.00	48.00		0.76	
74062-*5*7							1.27	
74062-*0*3	10	80	10	27.00	18.00	4.25	0.76	
74062-*0*8							1.27	
74062-*5*3	25	200	25	57.00	48.00		0.76	
74062-*5*8							1.27	
74062-*0*4	10	80	10	27.00	18.00	5.15	0.76	
74062-*0*9							1.27	
74062-*5*4	25	200	25	57.00	48.00		0.76	
74062-*5*9							1.27	

ADD NO GDE/NO KEY
EC NO: UCP2009-2089
DRWN:BSMART 2009/02/23
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DESCRIPTION
N
REV

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ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY	DATE
MWANG	1998/11/12
CHECKED BY	DATE
JLAURX	1998/11/12
APPROVED BY	DATE
CBIXLER	1998/11/12

TITLE: VHDM 8 ROW SHIELD END BACKPLANE SALES ASSEMBLY

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-74062-002
SHEET NO.: 2 OF 2
SIZE: C

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