![molex logo](one company > a world of innovation)

Part Number: **0740622511**

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, 200 Circuits, Pin Length 4.75mm (.187"), Keying Pin Orientation A

Documents:

3D Model

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Series
image - Reference only

Agency Certification
CSA	LR19980

General
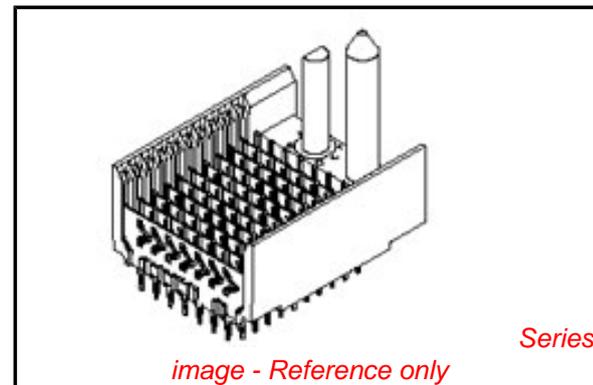|	
Product Family	Backplane Connectors
Series	74062
Application	Backplane
Application Tooling Documents	Tooling Manual
Comments	Keying Position A
Component Type	PCB Header
Overview	vhdm
Product Name	VHDM®
Style	N/A

Physical
Circuits (Loaded)	200
Circuits (maximum)	200
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

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

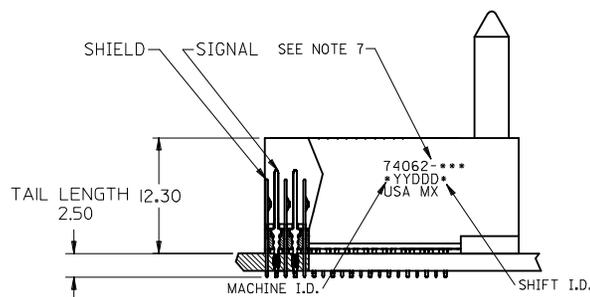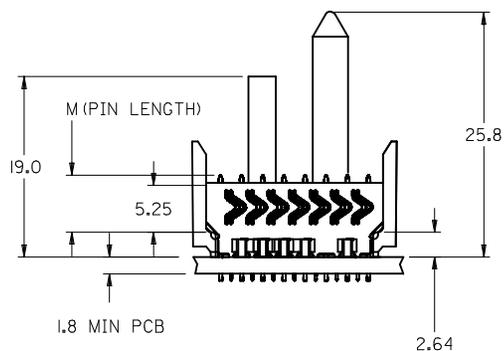|	
Current - Maximum per Contact	1A
Data Rate	3.125 Gbps
Real Signals (per 25mm)	100
Shield Type	Ground Plane Shield
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

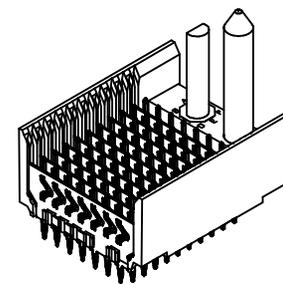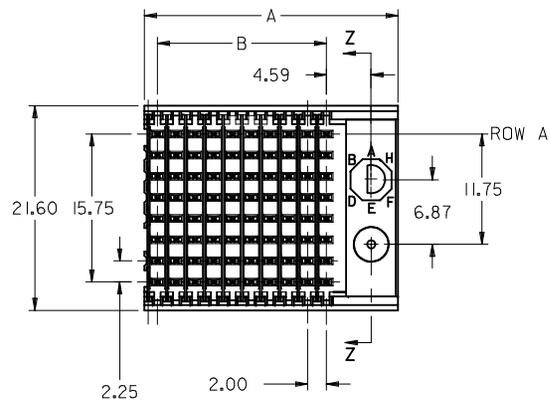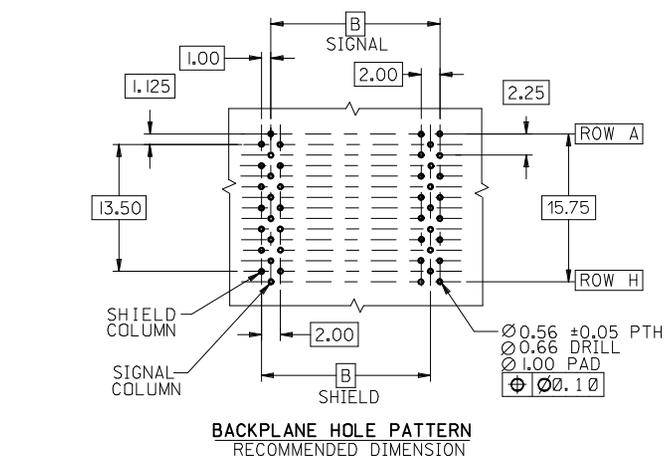|	
Sales Drawing	SD-74062-002

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VHDM® 8 Row Shield Extraction Tool — 0622016100

VHDM® Insertion Module for Advanced Mate Signal Header, 6 Row by 25 Wide, 50.00mm (1.97") — 0622020206

VHDM® Insertion Module for Standard Shield Signal Header, 8 Row by 25 Wide, 50.00mm (1.97") — 0622020210

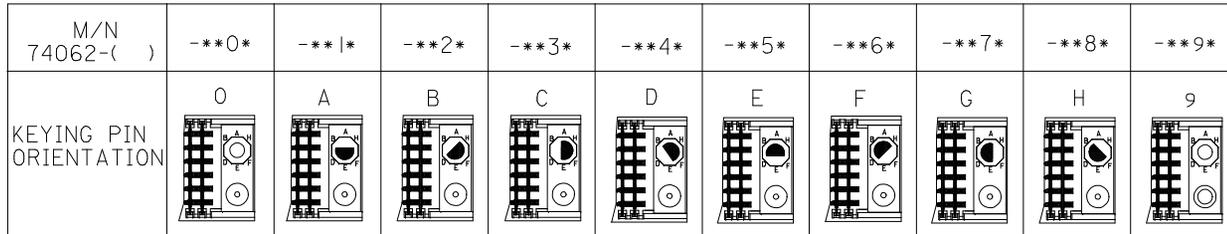This document was generated on 05/19/2010
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

BACKPLANE HOLE PATTERN
RECOMMENDED DIMENSION

SIGNAL

1.00
1.125
2.00
2.25

ROW A

13.50
15.75

ROW H

SHIELD COLUMN
SIGNAL COLUMN
2.00

B
SHIELD

Ø0.56 ±0.05 PTH
Ø0.66 DRILL
Ø1.00 PAD
⊕ | Ø0.10

A
B
Z
4.59

ROW A

21.60 15.75

B A H
D E F

11.75
6.87

Z

2.25   2.00

M (PIN LENGTH)

25.8

19.0

5.25

1.8 MIN PCB

2.64

SHIELD   SIGNAL   SEE NOTE 7

TAIL LENGTH 12.30
2.50

74062-***
YYDDD
USA MX

MACHINE I.D.   SHIFT I.D.

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.

QUALITY SYMBOLS
▼=0
▽=0

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

DIMENSION STYLE
MM ONLY

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

SCALE

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

TITLE
VHDM 8 ROW
SHIELD END BACKPLANE
SALES ASSEMBLY

molex MOLEX INCORPORATED

MATERIAL NO.
SEE SHEET 2

DOCUMENT NO.
SD-74062-002

SHEET NO.
1 OF 2

SIZE
C

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

REV
N

tb_frame_C_P_AM_T
Rev. E 2006/04/15

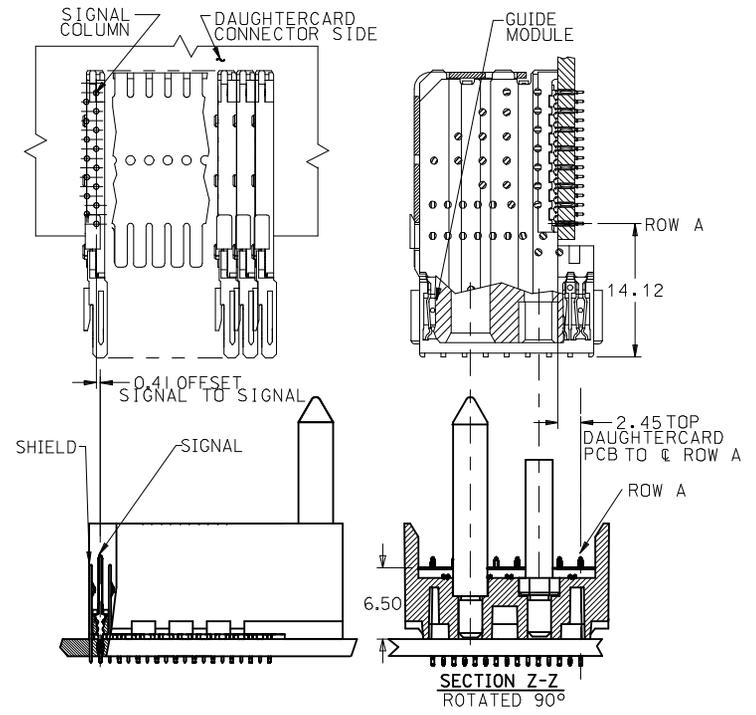| M/N 74062-( )	-**0*	-**1*	-**2*	-**3*	-**4*	-**5*	-**6*	-**7*	-**8*	-**9*
KEYING PIN ORIENTATION	O	A	B	C	D	E	F	G	H	9

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

SIGNAL COLUMN
DAUGHTERCARD CONNECTOR SIDE
GUIDE MODULE
ROW A
14.12
0.41 OFFSET SIGNAL TO SIGNAL
SHIELD
SIGNAL
2.45 TOP DAUGHTERCARD PCB TO ℄ ROW A
ROW A
6.50
SECTION Z-Z
ROTATED 90°

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	
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	0.76-1.52
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	

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

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

MATERIAL NO.
SEE CHART

SCALE

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

TITLE
VHDM 8 ROW
SHIELD END BACKPLANE
SALES ASSEMBLY

molex MOLEX INCORPORATED

DOCUMENT NO.
SD-74062-002

SHEET NO.
2 OF 2

SIZE
C