

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0740582511

Status:

Active

Overview:

[vhdm](#)

Description:

2.00mm (.079") Pitch VHDM® Board-to-Board Backplane Header, Vertical, 6-Row, Pin End Version, 150 Circuits, Pin Length 4.75mm (.187")

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family

Backplane Connectors

Series

74058

Application

Backplane

Application Tooling Documents

[TM-622010999.pdf](http://www.molex.com/pdm_docs/ats/TM-622010999.pdf)Tooling Manual

Comments

Keying Postion A

Component Type

PCB Header

Overview

[vhdm](#)

Product Name

VHDM®

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

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

6

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)

0.071 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)

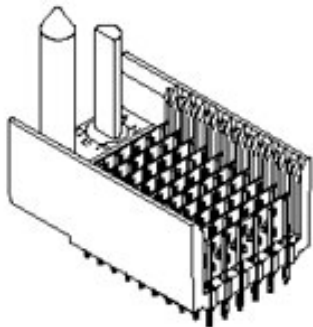
0.75

Polarized to PCB

Yes

Stackable

No



Series

image - Reference only

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Reviewed

China RoHS

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

74058Series

Mates With

74030 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.

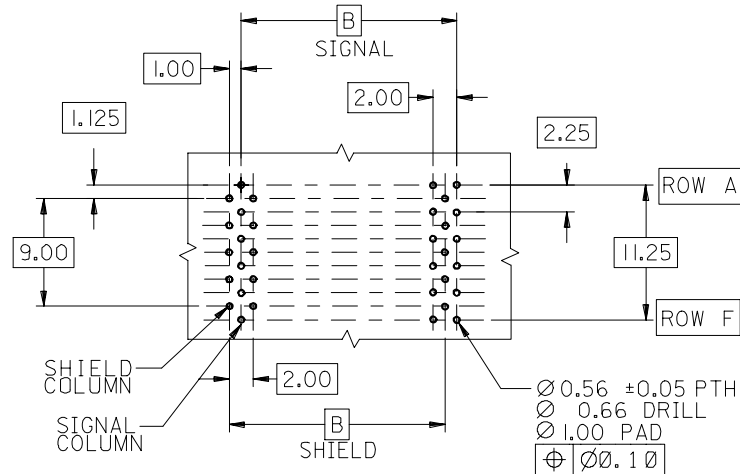
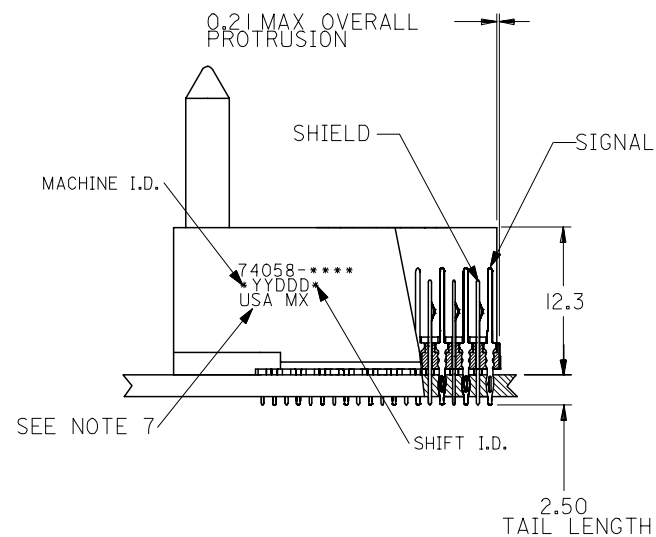
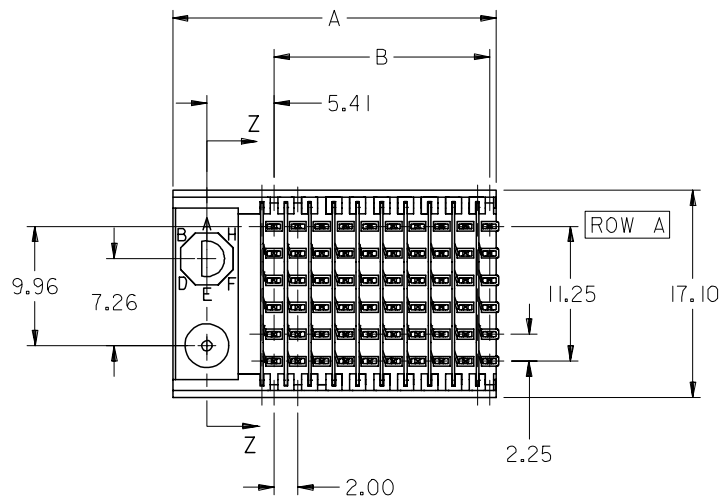
Global

Description	Product #
Flat Rock Tooling for Pneumatic Press	0622013700
VHDM® Signal Pin	0622015700
Insertor Repair Tool	
VHDM® 6 Row Pin and Shield Repair Tool	0622015800

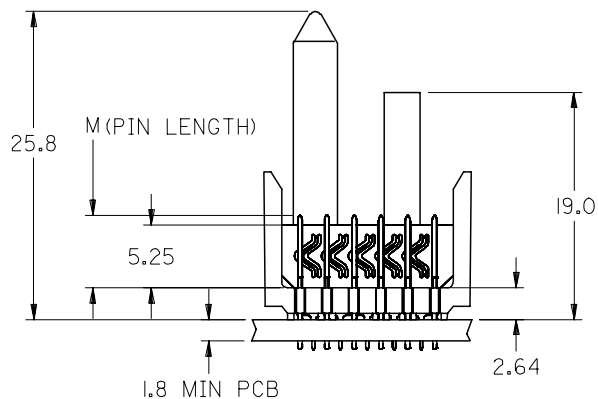
Surface Mount Compatible (SMC)	Yes	VHDM® 6 Row Shield Extraction Tool	<u>0622016000</u>
Temperature Range - Operating	105°C	VHDM® Insertion Module for Advanced Mate Signal Header, 6 Row by 25 Wide, 50.00mm (1.97")	<u>0622020204</u>
Termination Interface: Style	Through Hole - Compliant Pin	VHDM® Insertion Module for Standard Shield Signal Header, 6 Row by 25 Wide, 50.00mm (1.97")	<u>0622020208</u>
Electrical			
Current - Maximum per Contact	1A		
Data Rate	3.125 Gbps		
Real Signals (per 25mm)	75		
Shield Type	Ground Plane Shield		
Shielded	Yes		
Voltage - Maximum	120V AC (RMS)/DC		
Material Info			
Reference - Drawing Numbers			
Sales Drawing	SD-74058-002		
VHDM and Very High Density Metric are trademarks of Amphenol Corporation			

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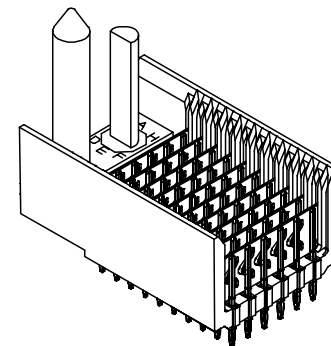


BACKPLANE HOLE PATTERN
RECOMMENDED DIMENSIONS



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-74058-003
7. EITHER MARK PART WITH PART NUMBER & DATE
CODE APPROXIMATELY WHERE SHOWN OR PLACE
LABEL ON THE TUBE.



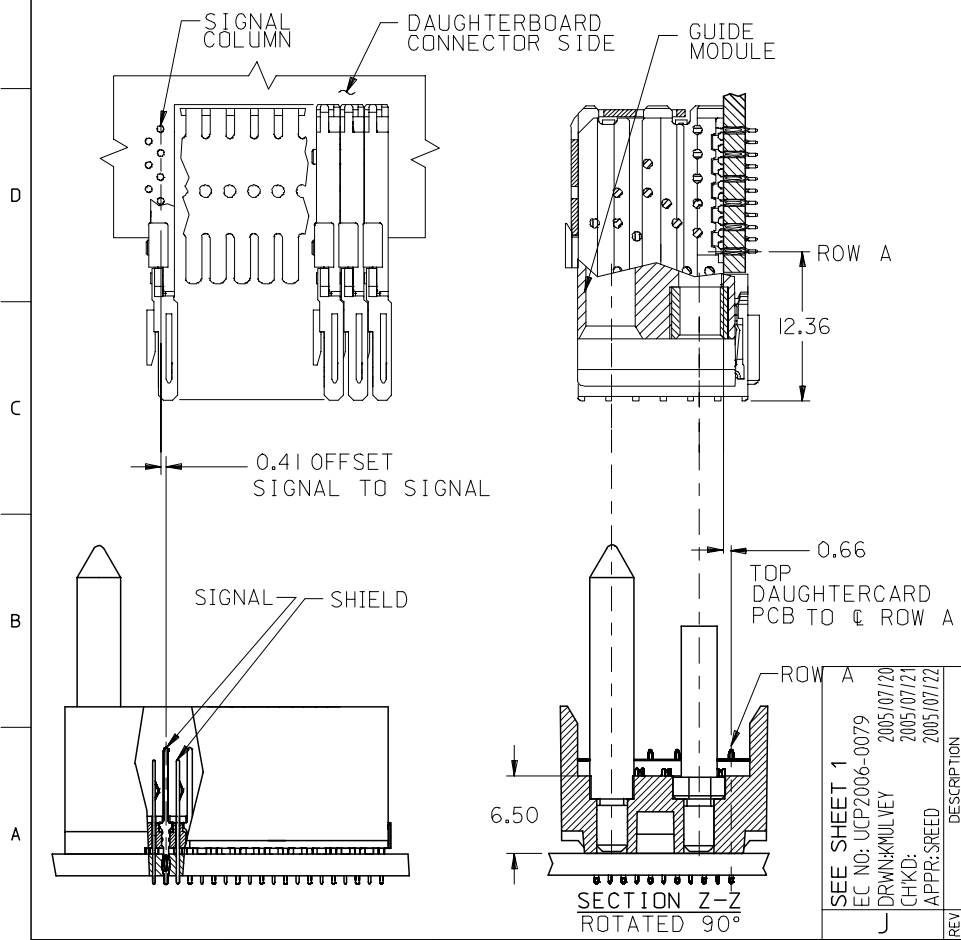
ADD LEADFREE PINS EC NO: UCP2006-0079 DRWN:KMLVEY 2005/07/20 CHKD: 2005/07/21 APPR: SREED 2005/07/22	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2.5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
			mm	INCH	DRAWN BY MWANG	DATE 1998/11/09	TITLE VHDM 6 ROW SIGNAL END BACKPLANE SALES ASSEMBLY					
			4 PLACES	± ---	± ---	CHECKED BY JLAURX						DATE 1998/11/09
			3 PLACES	± ---	± ---	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED				
			2 PLACES	± ---	± ---	CBIXLER	1998/11/09					
			1 PLACE	± ---	± ---	MATERIAL NO.						
			ANGULAR ±1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 2		SD-74058-002		1 OF 2	
SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

M/N 74058-()	-**0*	-**1*	-**2*	-**3*	-**4*	-**5*	-**6*	-**7*	-**8*
KEYING PIN ORIENTATION	O	A	B	C	D	E	F	G	H

74058 * * * *

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
74058-*0*1	10	60	10	27.00	18.00	4.75	0.76	0.76-1.52
74058-*0*6							1.27	
74058-*5*1	25	150	25	57.00	48.00	6.25	0.76	
74058-*5*6							1.27	
74058-*0*2	10	60	10	27.00	18.00	4.25	0.76	
74058-*0*7							1.27	
74058-*5*2	25	150	25	57.00	48.00	5.15	0.76	
74058-*5*7							1.27	
74058-*0*3	10	60	10	27.00	18.00	4.25	0.76	
74058-*0*8							1.27	
74058-*5*3	25	150	25	57.00	48.00	5.15	0.76	
74058-*5*8							1.27	
74058-*0*4	10	60	10	27.00	18.00	4.25	0.76	
74058-*0*9							1.27	
74058-*5*4	25	150	25	57.00	48.00	4.75	0.76	
74058-*5*9							1.27	

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
DRAWN BY DATE
MWANG 1998/11/09
CHECKED BY DATE
JLAURX 1998/11/09
APPROVED BY DATE
CBIXLER 1998/11/09
MATERIAL NO.
SEE CHART

SCALE
2.5:1

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

VHDM 6 ROW
SIGNAL END BACKPLANE
SALES ASSEMBLY
MOLEX INCORPORATED
SD-74058-002

SHEET NO.
2 OF 2

SEE SHEET 1
EC NO: UCP2006-0079
IDRWKMLVVEY 2005/07/20
CHKD: 2005/07/21
APPR: SRED 2005/07/22
REV J

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

SIZE B
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