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Part Number:

0740572501

Status:

Active

Overview:

vhdm

Description:

2.00mm (.079") Pitch VHDM® Board-to-Board Backplane Header, Vertical, 6-Row, Open Signal Module, 150 Circuits, 25 Columns, Pin Length 4.75mm (.187"), 0.76µm (30µ") Gold (Au) Plating

Documents:

3D Model

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

UL

E29179

General

Product Family

Series

Application

Application Tooling Documents

Comments

Component Type

Overview

Product Name

Style

Backplane Connectors

74057

Backplane

Tooling Manual

Open Header

PCB Header

vhdm

VHDM®

N/A

Physical

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Flammability

Guide to Mating Part

Keying to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Columns

Number of Pairs

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

150

150

Black

200

No

94V-0

No

None

Beryllium Copper, High Performance Alloy (HPA)

Gold

Tin-Lead

High Temperature Thermoplastic

N/A

Open Pin Field

6

Vertical

0.098 In

2.50 mm

No

None

0.071 In

1.80 mm

Tube

0.079 In

2.00 mm

0.079 In

2.00 mm

30

0.75

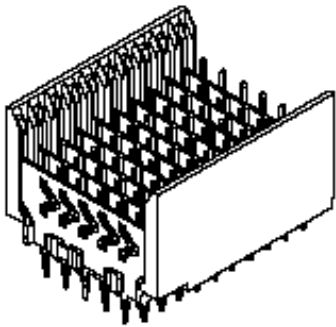


image - Reference only

Series

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

74057Series

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.

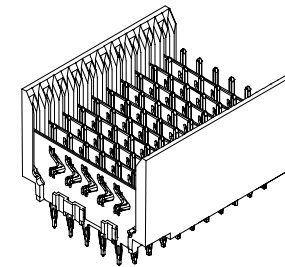
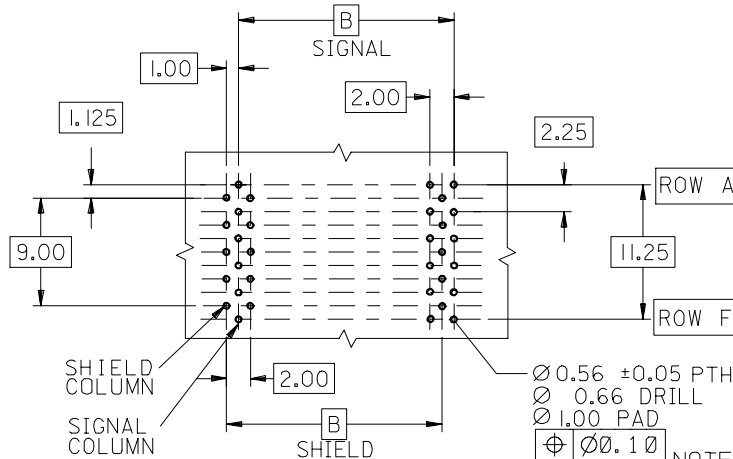
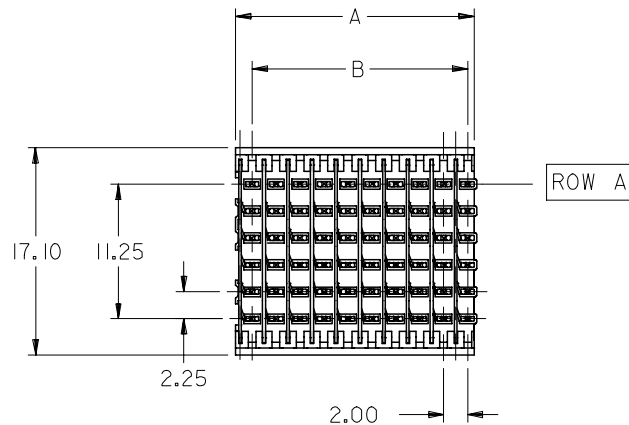
Global

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

Plating min: Termination (µin)	30	VHDM® 6 Row	<u>0622016000</u>
Plating min: Termination (µm)	0.75	Shield Extraction	
Polarized to PCB	Yes	Tool	
Stackable	Yes	VHDM® Insertion	<u>0622020204</u>
Surface Mount Compatible (SMC)	Yes	Module for Advanced	
Temperature Range - Operating	105°C	Mate Signal Header,	
Termination Interface: Style	Through Hole - Compliant Pin	6 Row by 25 Wide,	
		50.00mm (1.97")	
Electrical		VHDM® Insertion	<u>0622020208</u>
Current - Maximum per Contact	1A	Module for Standard	
Data Rate	3.125 Gbps	Shield Signal	
Real Signals (per 25mm)	75	Header, 6 Row by	
Shield Type	Ground Plane Shield	25 Wide, 50.00mm	
Shielded	Yes	(1.97")	
Voltage - Maximum	120V AC (RMS)/DC		
Material Info			
Reference - Drawing Numbers			
Packaging Specification	PK-74057-003		
Sales Drawing	SD-74057-002		
VHDM and Very High Density Metric are trademarks of Amphenol Corporation			

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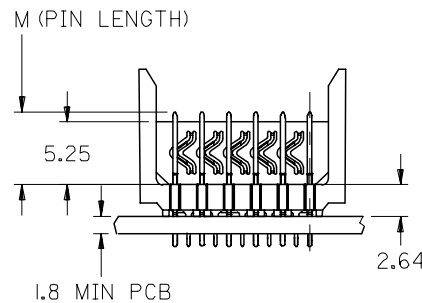
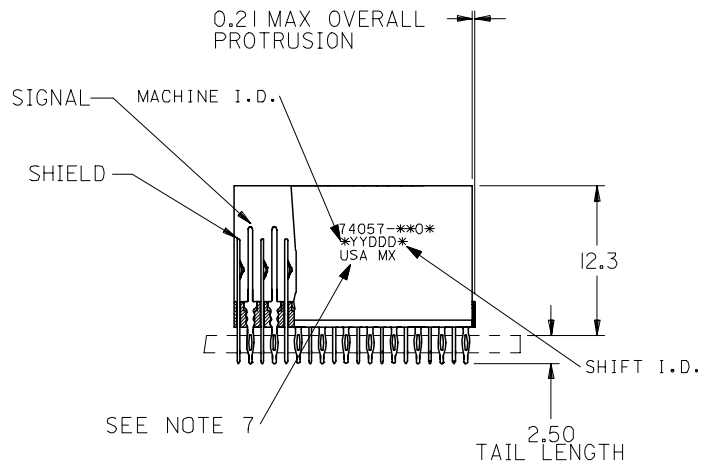
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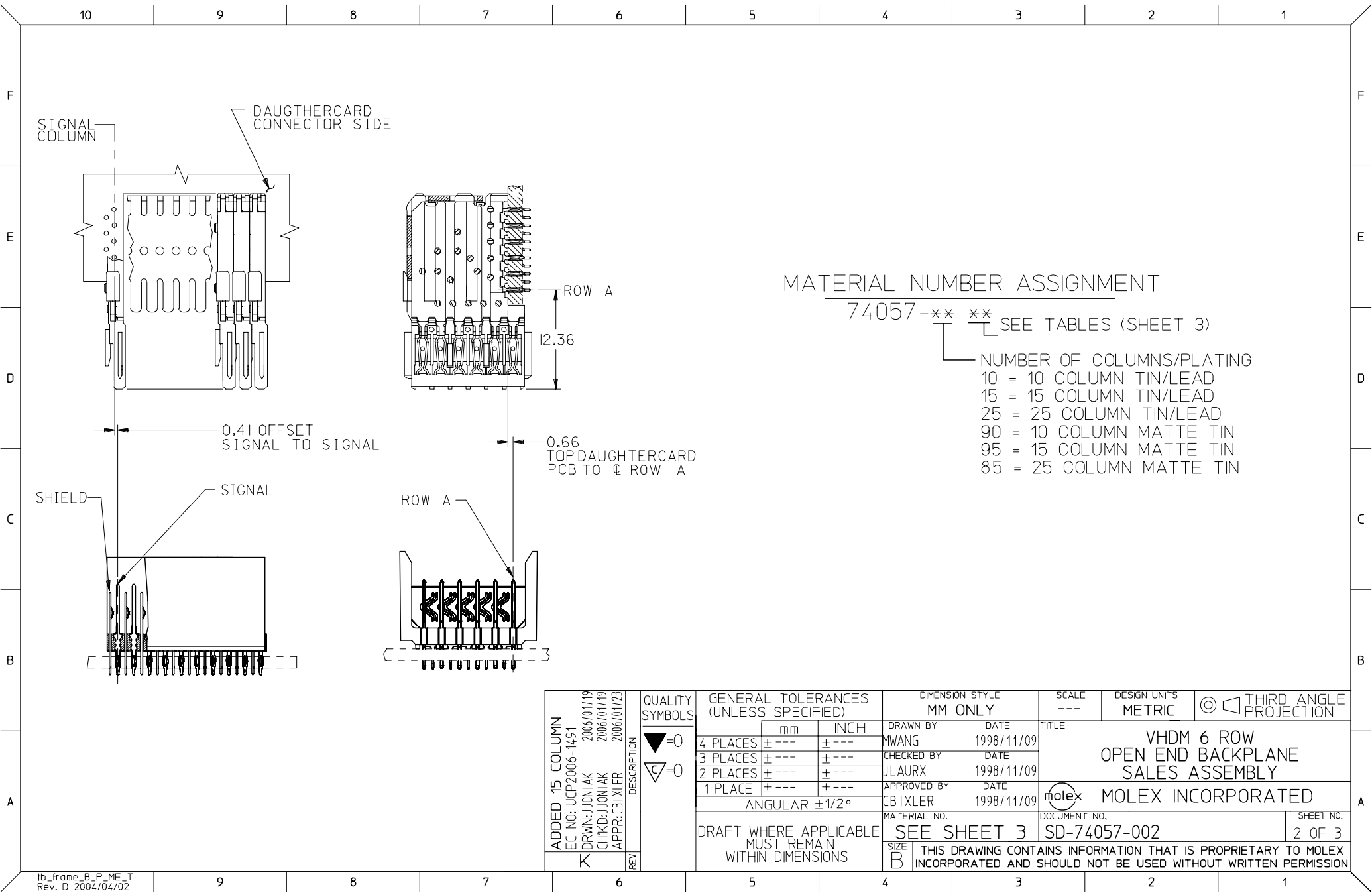
BACKPLANE HOLE PATTERN RECOMMENDED DIMENSIONS

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-74057-003
7. EITHER MARK PART WITH PART NUMBER & DATE
CODE APPROXIMATELY WHERE SHOWN OR PLACE
LABEL ON THE TUBE.



ADDED 15 COLUMN EC NO: UCP2006-1491 DRWN: JONIAK 2006/01/19 CHKD: JONIAK 2006/01/19 APPR: CBIXLER 2006/01/23	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	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 OPEN END BACKPLANE SALES ASSEMBLY				
			4 PLACES	± ---	± ---	CHECKED BY JLAURX	DATE 1998/11/09						
			3 PLACES	± ---	± ---	APPROVED BY CBIXLER		DATE 1998/11/09		MOLEX MOLEX INCORPORATED			
			2 PLACES	± ---	± ---								
			1 PLACE	± ---	± ---								
			ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 3		SD-74057-002		1 OF 3							
K	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											



MATERIAL NUMBER ASSIGNMENT

74057-*** ** SEE TABLES (SHEET 3)

- NUMBER OF COLUMNS/PLATING
- 10 = 10 COLUMN TIN/LEAD
 - 15 = 15 COLUMN TIN/LEAD
 - 25 = 25 COLUMN TIN/LEAD
 - 90 = 10 COLUMN MATTE TIN
 - 95 = 15 COLUMN MATTE TIN
 - 85 = 25 COLUMN MATTE TIN

ADDED 15 COLUMN EC NO: UCP2006-1491 DRWN: JONIAK 2006/01/19 CHKD: JONIAK 2006/01/19 APPR: CBIXLER 2006/01/23 K	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
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			3 PLACES	± ---	± ---	APPROVED BY CBIXLER	DATE 1998/11/09				
			2 PLACES	± ---	± ---	MATERIAL NO. SEE SHEET 3				DOCUMENT NO. SD-74057-002	SHEET NO. 2 OF 3
			1 PLACE	± ---	± ---	ANGULAR ±1/2°					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
			REV								

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<http://moschip.ru/get-element>

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