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Part Number: [0740571002](#)
Status: **Active**
Overview: [vhdm](#)
Description: 2.00mm (.079") Pitch VHDM® Board-to-Board Backplane Header, Vertical, 6-Row, Open Signal Module, 60 Circuits, 10 Columns, Pin Length 6.25mm (.246"), 0.76µm (30µ") Gold (Au) Plating

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

Agency Certification

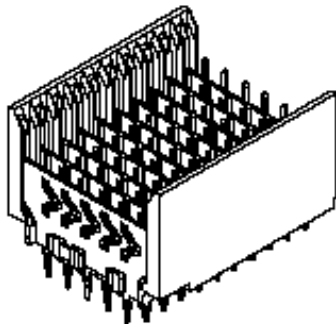
UL E29179

General

Product Family Backplane Connectors
Series [74057](#)
Application Backplane
Application Tooling Documents Tooling Manual
Comments Open Header
Component Type PCB Header
Overview [vhdm](#)
Product Name VHDM®
Style N/A

Physical

Circuits (Loaded) 60
Circuits (maximum) 60
Color - Resin Black
Durability (mating cycles max) 200
First Mate / Last Break No
Flammability 94V-0
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 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) 0.079 In
Pitch - Term. Interface (mm) 2.00 mm
Plating min: Mating (µin) 30
Plating min: Mating (µm) 0.75



Series

image - Reference only

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No Halogen-Free

Status

Halogen-Free

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

[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® Insertion Module for Advanced Mate Signal Header, 6 Row by 11 Wide, 20.00mm (.787")	0622011101
VHDM® Signal Pin Inserter Repair Tool	0622015700

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	105°C
Termination Interface: Style	Through Hole - Compliant Pin

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

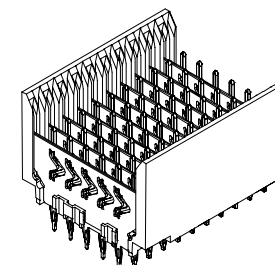
Packaging Specification	PK-74057-003
Sales Drawing	SD-74057-002

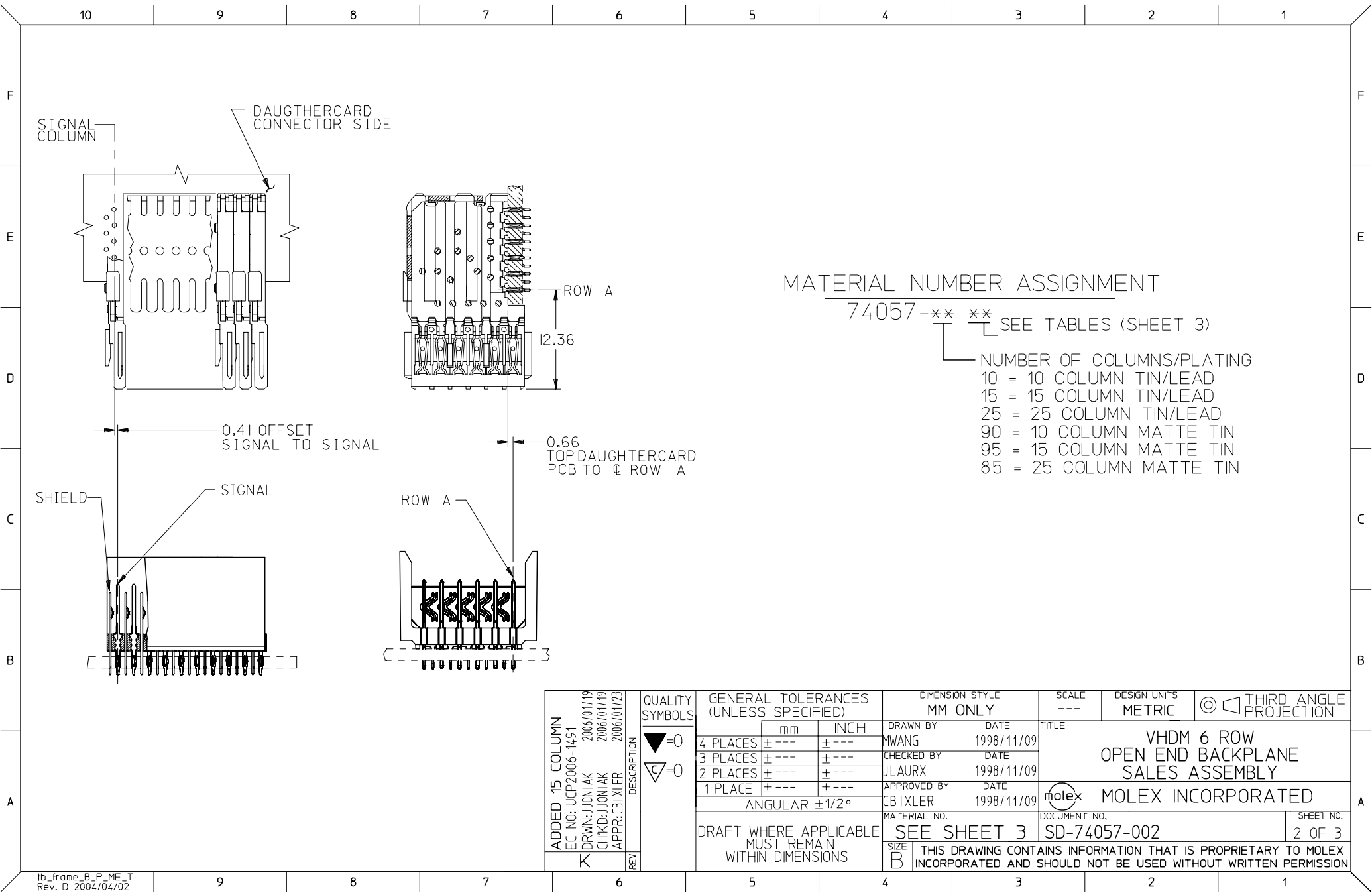
VHDM and Very High Density Metric are trademarks of Amphenol Corporation

VHDM® 6 Row Pin and Shield Repair Tool	0622015800
VHDM® 6 Row Shield Extraction Tool	0622016000
VHDM® Insertion Module for Advanced Mate Signal Header, 6 Row by 10 Wide, 20.00mm (.787")	0622020203
VHDM® Insertion Module for Advanced Mate Signal Header, 6 Row by 10 Wide, 20.00mm (.787")	0622020207

This document was generated on 05/19/2010

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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	
				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			
			2 PLACES	± ---	± ---	MOLEX MOLEX INCORPORATED				
			1 PLACE	± ---	± ---	MATERIAL NO. SEE SHEET 3		DOCUMENT NO. SD-74057-002		SHEET NO. 2 OF 3
			ANGULAR ±1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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ADDED 15 COLUMN

EC NO: UCP2006-1491

DRWN: JONI AK 2006/01/19

CHKD: JONI AK 2006/01/19

APPR: CBI XLER 2006/01/23

REV

QUALITY SYMBOLS

▽=0

▽=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
J JONI AK	2006/01/10
CHECKED BY	DATE
J JONI AK	2006/01/10
APPROVED BY	DATE
J JONI AK	2006/01/10

MATERIAL NO.

SEE CHARTS

SIZE

B

SCALE

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

VHDM 6 ROW	
OPEN END BACKPLANE	
SALES ASSEMBLY	

molex MOLEX INCORPORATED	SHEET NO. 3 OF 3
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DOCUMENT NO.

SD-74057-002

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

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Rev. D 2004/04/02

	9	8	7	6	5	4	3	2	1	
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ADDED 15 COLUMN

EC NO: UCP2006-1491

DRWN: JJONIAK 2006/01/19

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ANGULAR ±1/2°

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MATERIAL NO.

SEE CHARTS

SIZE B

SCALE

TITLE

VHDM 6 ROW
OPEN END BACKPLANE
SALES ASSEMBLY

MOLEX INCORPORATED

DOCUMENT NO.

SD-74057-002

SHEET NO.

3 OF 3

DESIGN UNITS

METRIC

THIRD ANGLE
PROJECTION

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