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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](#)

[Drawing \(PDF\)](#)

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

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

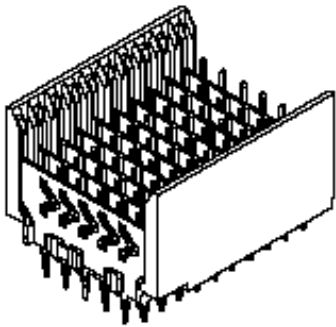


image - Reference only

Series

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

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
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

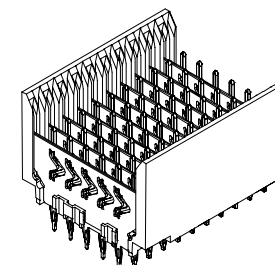
Packaging Specification	PK-74057-003
Sales Drawing	SD-74057-002

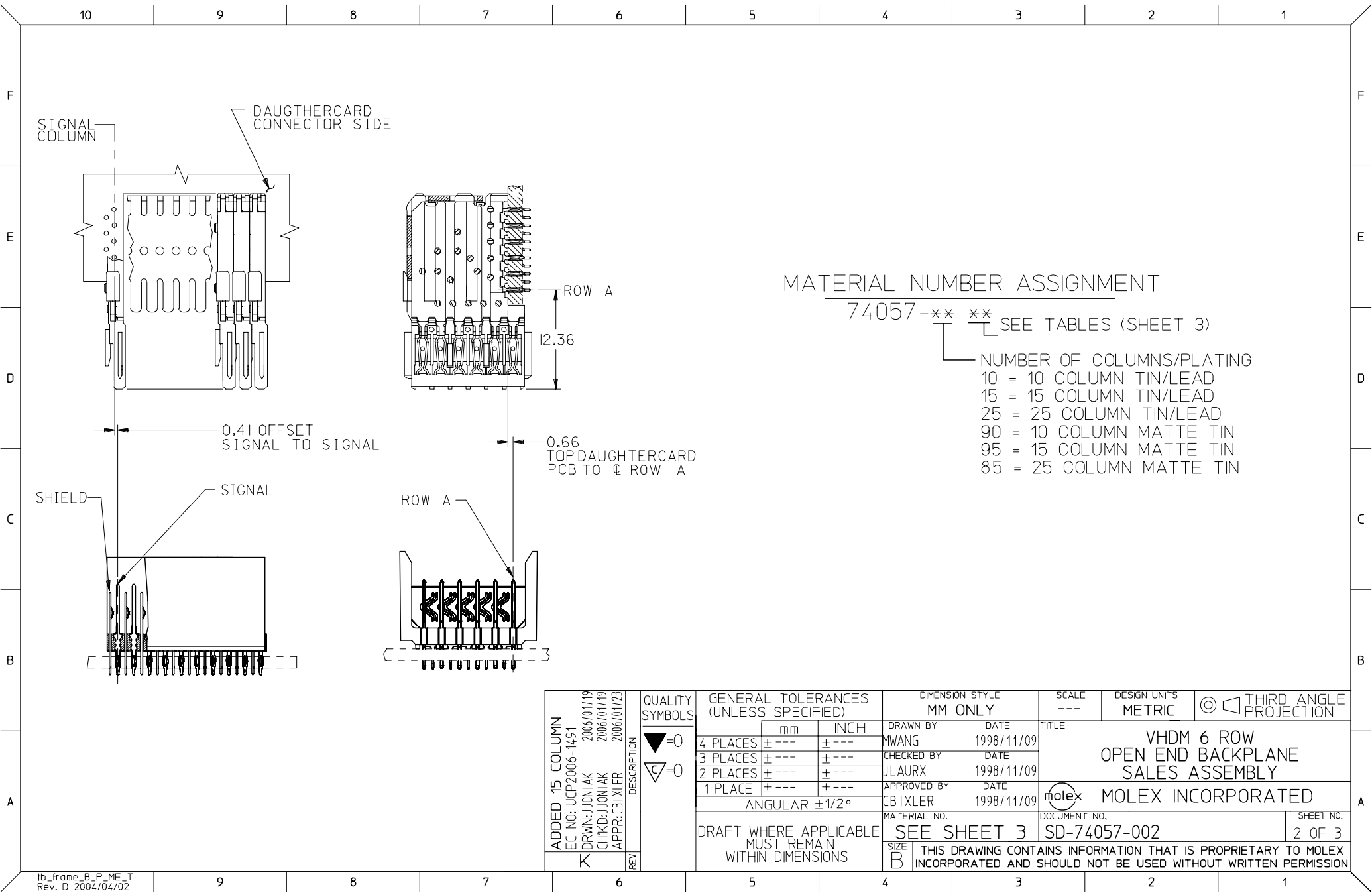
VHDM and Very High Density Metric are trademarks of Amphenol Corporation

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

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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	± ---	± ---				
			ANGULAR ±1/2°			MATERIAL NO. SEE SHEET 3	DOCUMENT NO. SD-74057-002	SHEET NO. 2 OF 3	
			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			

10	9	8	7	6	5	4	3	2	1						
PART NUMBER	COLUMN	NUMBER OF SIGNAL PIN	NUMBER OF SHIELD	A	B	M	Au (um) THICKNESS	PART NUMBER	COLUMN	NUMBER OF SIGNAL PIN	NUMBER OF SHIELD	A	B	M	Au (um) THICKNESS
74057-1001	10	60	10	20.00	18.00	4.75	0.76	74057-9001	10	60	10	20.00	18.00	4.75	0.76
74057-1006							1.27	74057-9006							1.27
74057-1501	15	90	15	30.00	28.00		0.76	74057-9501	15	90	15	30.00	28.00		0.76
74057-1506							1.27	74057-9506							1.27
74057-2501	25	150	25	50.00	48.00		0.76	74057-8501	25	150	25	50.00	48.00		0.76
74057-2501							1.27	74057-8501							1.27
74057-1002	10	60	10	20.00	18.00	6.25	0.76	74057-9002	10	60	10	20.00	18.00	6.25	0.76
74057-1007							1.27	74057-9007							1.27
74057-1502	15	90	15	30.00	28.00		0.76	74057-9502	15	90	15	30.00	28.00		0.76
74057-1507							1.27	74057-9507							1.27
74057-2502	25	150	25	50.00	48.00		0.76	74057-8502	25	150	25	50.00	48.00		0.76
74057-2507							1.27	74057-8507							1.27
74057-1003	10	60	10	20.00	18.00	4.25	0.76	74057-9003	10	60	10	20.00	18.00	4.25	0.76
74057-1008							1.27	74057-9008							1.27
74057-1503	15	90	15	30.00	28.00		0.76	74057-9503	15	90	15	30.00	28.00		0.76
74057-1508							1.27	74057-9508							1.27
74057-2503	25	150	25	50.00	48.00		0.76	74057-8503	25	150	25	50.00	48.00		0.76
74057-2508							1.27	74057-8508							1.27
74057-1004	10	60	10	20.00	18.00	5.15	0.76	74057-9004	10	60	10	20.00	18.00	5.15	0.76
74057-1009							1.27	74057-9009							1.27
74057-1504	15	90	15	30.00	28.00		0.76	74057-9504	15	90	15	30.00	28.00		0.76
74057-1509							1.27	74057-9509							1.27
74057-2504	25	150	25	50.00	48.00		0.76	74057-8504	25	150	25	50.00	48.00		0.76
74057-2509							1.27	74057-8509							1.27

TIN/LEAD CHART

LEAD FREE CHART

ADDED 15 COLUMN EC NO: UCP2006-1491 DRAWN: JONI AK 2006/01/19 CHK'D: JONI AK 2006/01/19 APPR: CB XLER 2006/01/23	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION					
				mm	INCH	DRAWN BY J JON IAK	DATE 2006/01/10	TITLE VHDM 6 ROW OPEN END BACKPLANE SALES ASSEMBLY						
			4 PLACES	± ---	± ---	CHECKED BY J JON IAK	DATE 2006/01/10							
			3 PLACES	± ---	± ---	APPROVED BY J JON IAK 2006/01/10		MOLEX MOLEX INCORPORATED						
			2 PLACES	± ---	± ---									
			1 PLACE	± ---	± ---	MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
			ANGULAR ±1/2°		SEE CHARTS		SD-74057-002		3 OF 3					
			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								
			K	REV										

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- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
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- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
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- Тестирование поставляемой продукции.
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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
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