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Part Number: **0740582503**
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 4.25mm (.167")

Documents:

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

General

Product Family	Backplane Connectors
Series	<u>74058</u>
Application	Backplane
Application Tooling Documents	Tooling Manual
Comments	No Keying Position
Component Type	PCB Header
Overview	<u>vhdm</u>
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	None
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

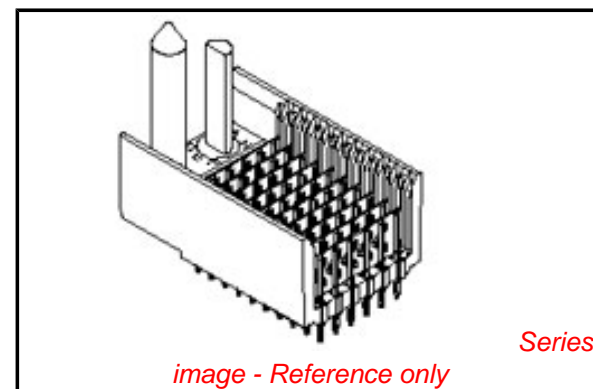


image - Reference only

EU RoHS

RoHS Compliant by Exemption
REACH SVHC
 Not Reviewed
Halogen-Free
Status
Not Reviewed

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

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	<u>0622013700</u>
VHDM® Signal Pin	<u>0622015700</u>
Insertor Repair Tool	
VHDM® 6 Row Pin and Shield Repair Tool	<u>0622015800</u>

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

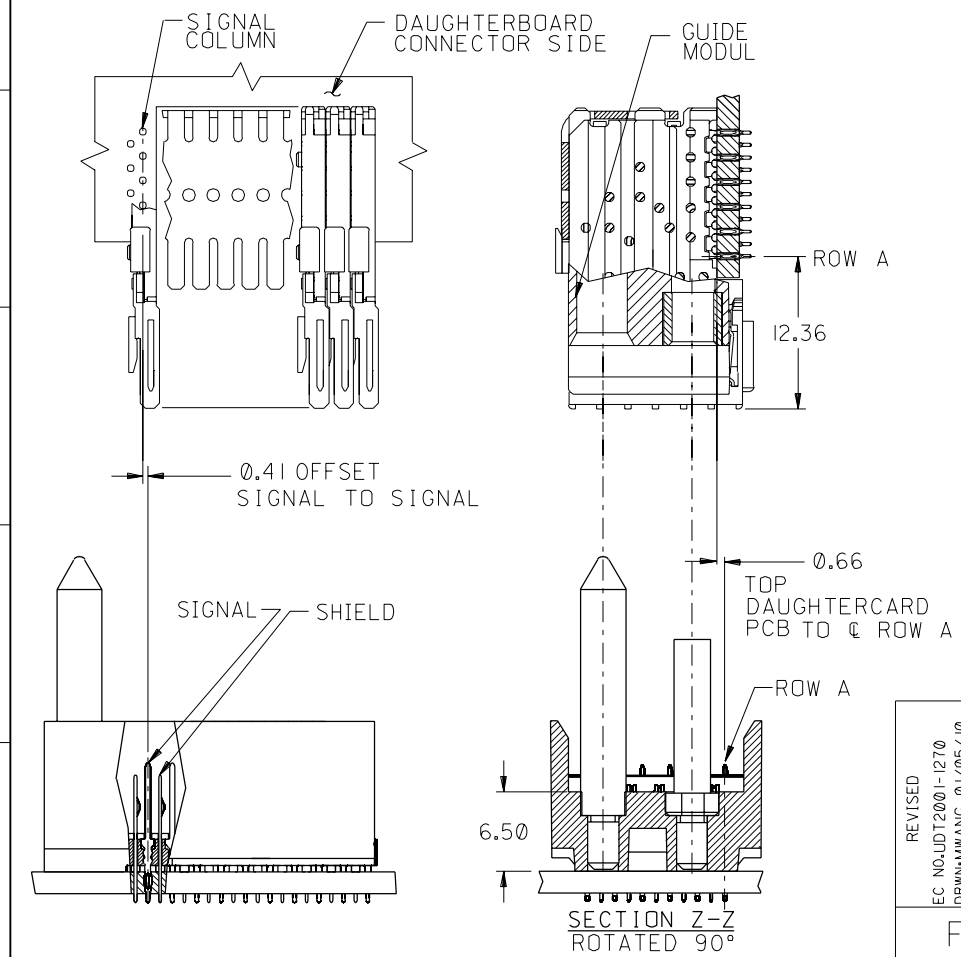
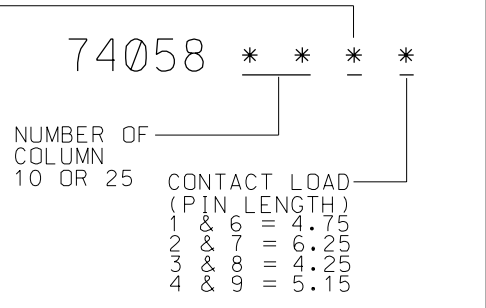
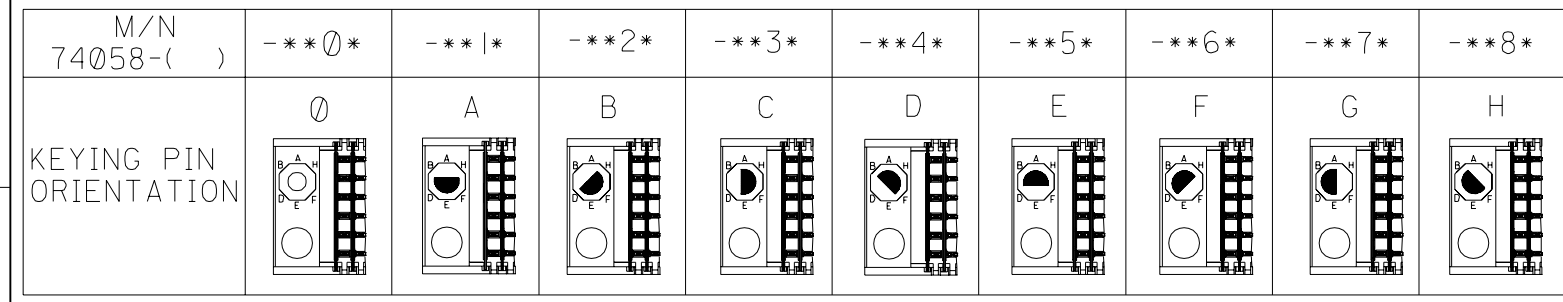
Material Info

VHDM and Very High Density Metric are trademarks of Amphenol Corporation

VHDM® 6 Row Shield Extraction Tool [0622016000](#)
VHDM® Insertion Module for Advanced Mate Signal Header, 6 Row by 25 Wide, 50.00mm (1.97") [0622020204](#)
VHDM® Insertion Module for Standard Shield Signal Header, 6 Row by 25 Wide, 50.00mm (1.97") [0622020208](#)

This document was generated on 05/19/2010

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PART NUMBER	COLUMN	NUMBER OF SIGNAL PIN	NUMBER OF SHIELD	A MAX	B	M	Au (um) THICKNESS	Sn/Ph (um) THICKNESS
74058-10*1	10	60	10	20.00	18.00	4.75	0.76	0.38-1.25
74058-10*6							1.25	
74058-25*1	25	150	25	50.00	48.00	6.25	0.76	
74058-25*6							1.25	
74058-10*2	10	60	10	20.00	18.00	6.25	0.76	
74058-10*7							1.25	
74058-25*2	25	150	25	50.00	48.00	4.25	0.76	
74058-25*7							1.25	
74058-10*3	10	60	10	20.00	18.00	5.15	0.76	
74058-10*8							1.25	
74058-25*3	25	150	25	50.00	48.00	6.25	0.76	
74058-25*8							1.25	
74058-10*4	10	60	10	20.00	18.00	4.75	0.76	
74058-10*9							1.25	
74058-25*4	25	150	25	50.00	48.00	6.25	0.76	
74058-25*9							1.25	

REVISED EC NOLJDT2001-1270 DRWN:MWANG 01/05/10 CHK:JLAURX 01/05/10 APPR:CBIXLER 01/05/10	QUALITY SYMBOLS MAJOR CRITICAL	GENERAL TOLERANCES: (UNLESS SPECIFIED)	SCALE 2.5:1	DESIGN UNITS <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH	DIMENSIONS: <input type="checkbox"/> mm <input type="checkbox"/> INCH <input checked="" type="checkbox"/> mm ONLY	SHT REV
	DESCRIPTION MAJOR CRITICAL	mm INCH 4 PLACES ±0.--- ±. 3 PLACES ±0.--- ±. 2 PLACES ±0.--- ±. 1 PLACE ±0.--- ±.	DRAWN BY & DATE MWANG 11/09/98	THIRD ANGLE PROJECTION	TITLE: VHDM BACKPLANE 6 ROW SIGNAL-PIN END SALES DRAWING	REVISE ON CAD ONLY
	REV F	ANGULAR: ± - °	CHECKED BY & DATE JLAURX 11/09/98	APPROVED BY & DATE CBIXLER 11/09/98	MOLEX INCORPORATED	MATERIAL NO. SEE CHART
	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.	CAD FILENAME SD-74058-002-DGN	DRAWING NO. SD-74058-002	SHEET NO. 2	SIZE B