

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0740582521](#)  
**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](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#)

**General**

Product Family	Backplane Connectors
Series	<a href="#">74058</a>
Application	Backplane
Application Tooling Documents	<a href="http://www.molex.com/pdm_docs/ats/TM-622010999.pdf">http://www.molex.com/pdm_docs/ats/TM-622010999.pdf</a> >Tooling Manual</a>
Comments	Keying Postion B
Component Type	PCB Header
Overview	<a href="#">vhdm</a>
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

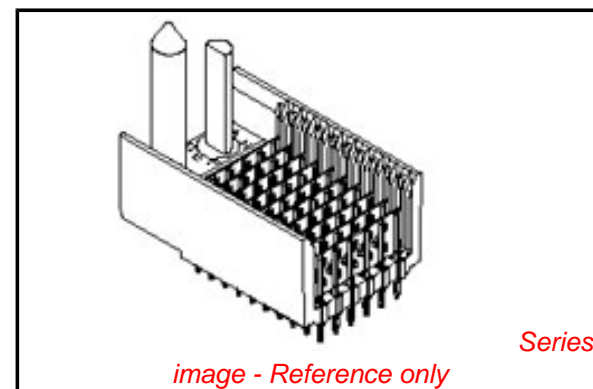


image - Reference only

**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](mailto: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	<a href="#">0622013700</a>
VHDM® Signal Pin	<a href="#">0622015700</a>
Insertor Repair Tool	
VHDM® 6 Row Pin and Shield Repair Tool	<a href="#">0622015800</a>

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

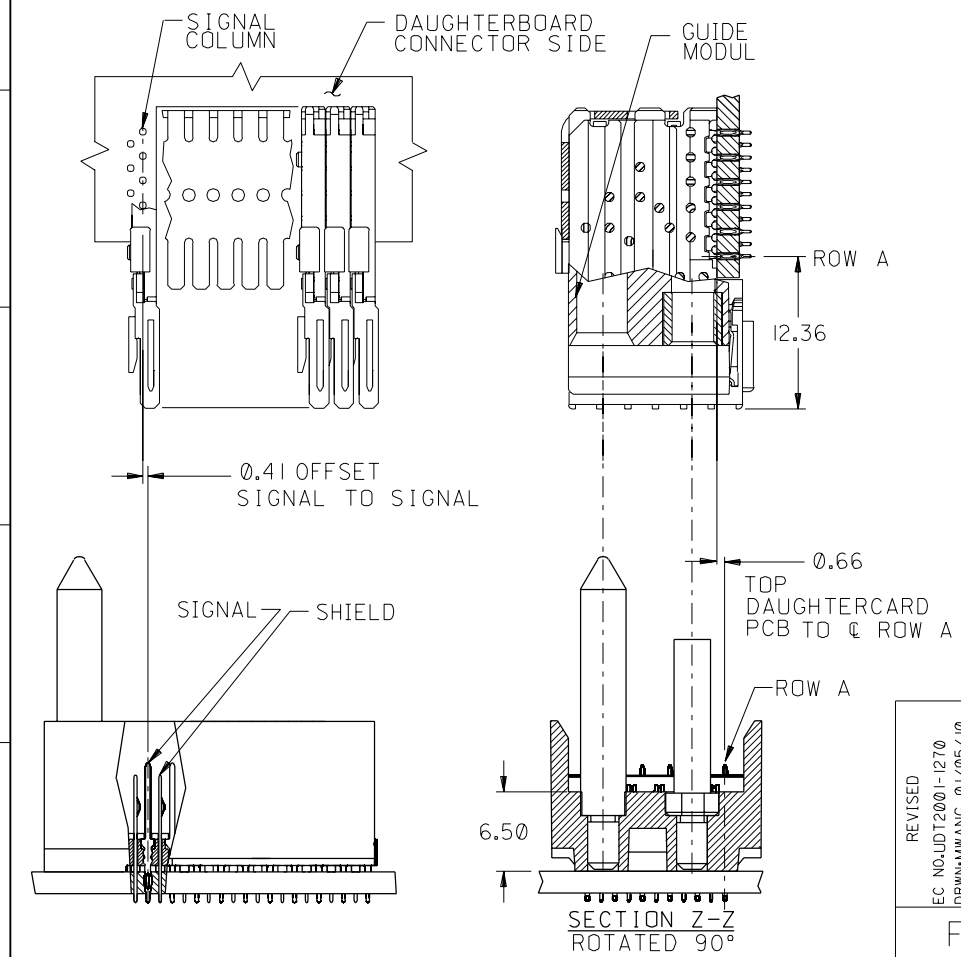
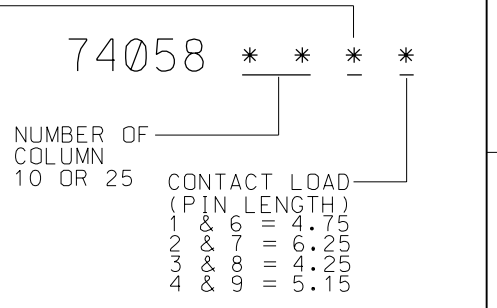
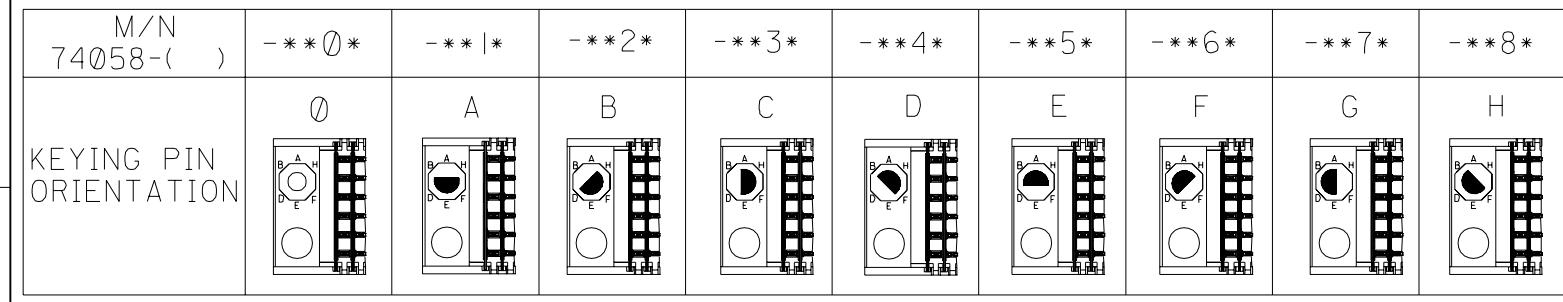
### Material Info

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](#)

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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	5.15	0.76	
74058-25*9							1.25	

REVISED EC NO:UDT2001-1270 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:
		4 PLACES $\pm 0.0$ --- $\pm$	DRAWN BY & DATE: MWANG 11/09/98	TITLE: VHDM BACKPLANE 6 ROW SIGNAL-PIN END SALES DRAWING		REVISION ON CAD ONLY	
		3 PLACES $\pm 0.0$ --- $\pm$	CHECKED BY & DATE: JLAURX 11/09/98	MOLEX INCORPORATED			
		2 PLACES $\pm 0.0$ --- $\pm$	APPROVED BY & DATE: CBIXLER 11/09/98	MATERIAL NO. SEE CHART	DRAWING NO. SD-74058-002	SHEET NO. 2	
1 PLACE $\pm 0.0$ --- $\pm$	ANGULAR: $\pm$ -- $\circ$	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		CAD FILENAME: SD-74058-002-DGN	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		SIZE B