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Part Number:

0740582551

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](#)

[Drawing \(PDF\)](#)

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

General

Product Family	Backplane Connectors
Series	74058
Application	Backplane
Application Tooling Documents	TM-622010999.pdf >Tooling Manual
Comments	Keying Postion E
Component Type	PCB Header
Overview	vhdm
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

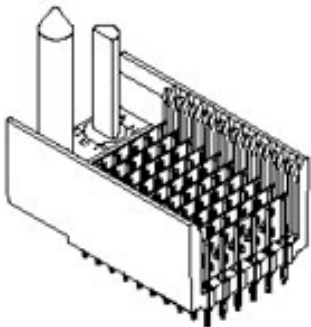


image - Reference only

Series

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
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	0622013700
VHDM® Signal Pin Inserter Repair Tool	0622015700
VHDM® 6 Row Pin and Shield Repair Tool	0622015800

Surface Mount Compatible (SMC)	Yes	VHDM® 6 Row Shield Extraction Tool	0622016000
Temperature Range - Operating	105°C	VHDM® Insertion Module for Advanced Mate Signal Header, 6 Row by 25 Wide, 50.00mm (1.97")	0622020204
Termination Interface: Style	Through Hole - Compliant Pin	VHDM® Insertion Module for Standard Shield Signal Header, 6 Row by 25 Wide, 50.00mm (1.97")	0622020208
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			

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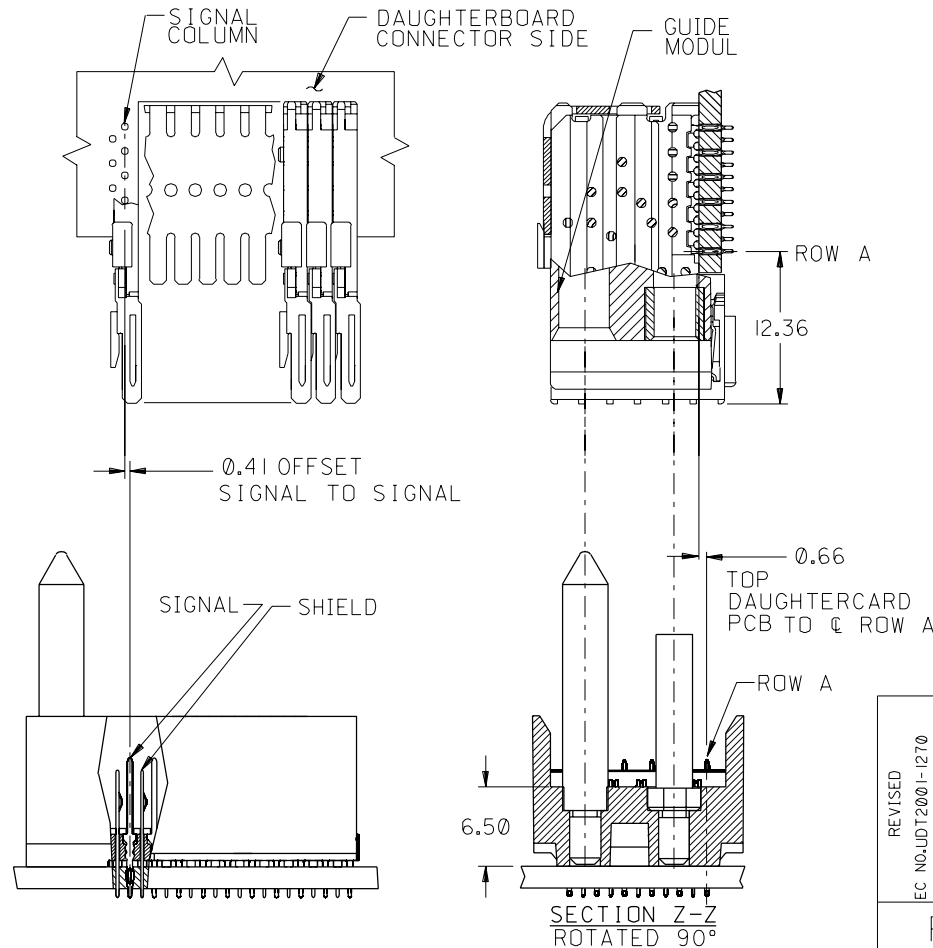
M/N 74058-()	-**0*	-**1*	-**2*	-**3*	-**4*	-**5*	-**6*	-**7*	-**8*
KEYING PIN ORIENTATION									

74058

* * * *

NUMBER OF
COLUMN
10 OR 25

CONTACT LOAD
(PIN LENGTH)
1 & 6 = 4.75
2 & 7 = 6.25
3 & 8 = 4.25
4 & 9 = 5.15



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	4.25	0.76	
74058-10*7							1.25	
74058-25*2	25	150	25	50.00	48.00	5.15	0.76	
74058-25*7							1.25	
74058-10*3	10	60	10	20.00	18.00	4.75	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	4.25	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	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 2.5:1	DESIGN UNITS ☒ mm ☐ INCH	 THIRD ANGLE PROJECTION	☐ mm INCH	☐ INCH mm	☒ mm ONLY	REVISE ON CAD ONLY	
		MAJOR 	☐ mm	☐ INCH	DRAWN BY & DATE MWANG 11/09/98		TITLE: VHDM BACKPLANE 6 ROW SIGNAL-PIN END SALES DRAWING					
			4 PLACES	$\pm 0. \text{---}$	$\pm$	CHECKED BY & DATE JLAURX 11/09/98						
			CRITICAL 	3 PLACES	$\pm 0. \text{---}$	$\pm$	APPROVED BY & DATE CBIXLER 11/09/98		MOLEX INCORPORATED			
2 PLACES	$\pm 0. \text{---}$	$\pm$		CAD FILENAME SD-74058-002-DGN		MATERIAL NO. SEE CHART	DRAWING NO. SD-74058-002	SHEET NO. 2				
	REV		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.							SIZE B