

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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](#)

[Drawing \(PDF\)](#)

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

General	
Product Family	Backplane Connectors
Series	74058
Application	Backplane
Application Tooling Documents	Tooling Manual
Comments	No Keying Position
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	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

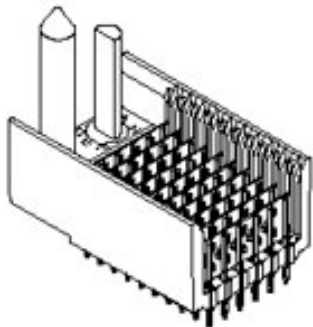


image - Reference only

Series

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Not Reviewed

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

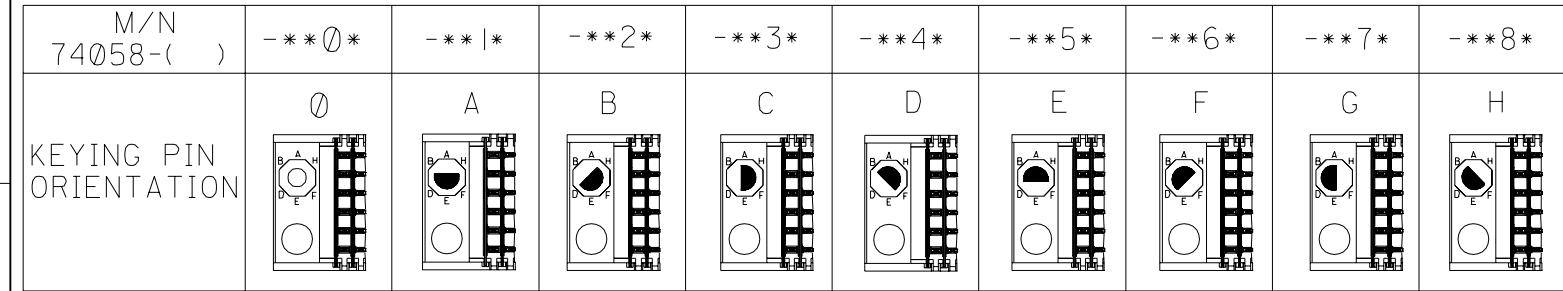
74030 VHDM® Board-to-Board Daughtercard Receptacle

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	0622015700
Insertor Repair Tool	
VHDM® 6 Row Pin and Shield Repair Tool	0622015800

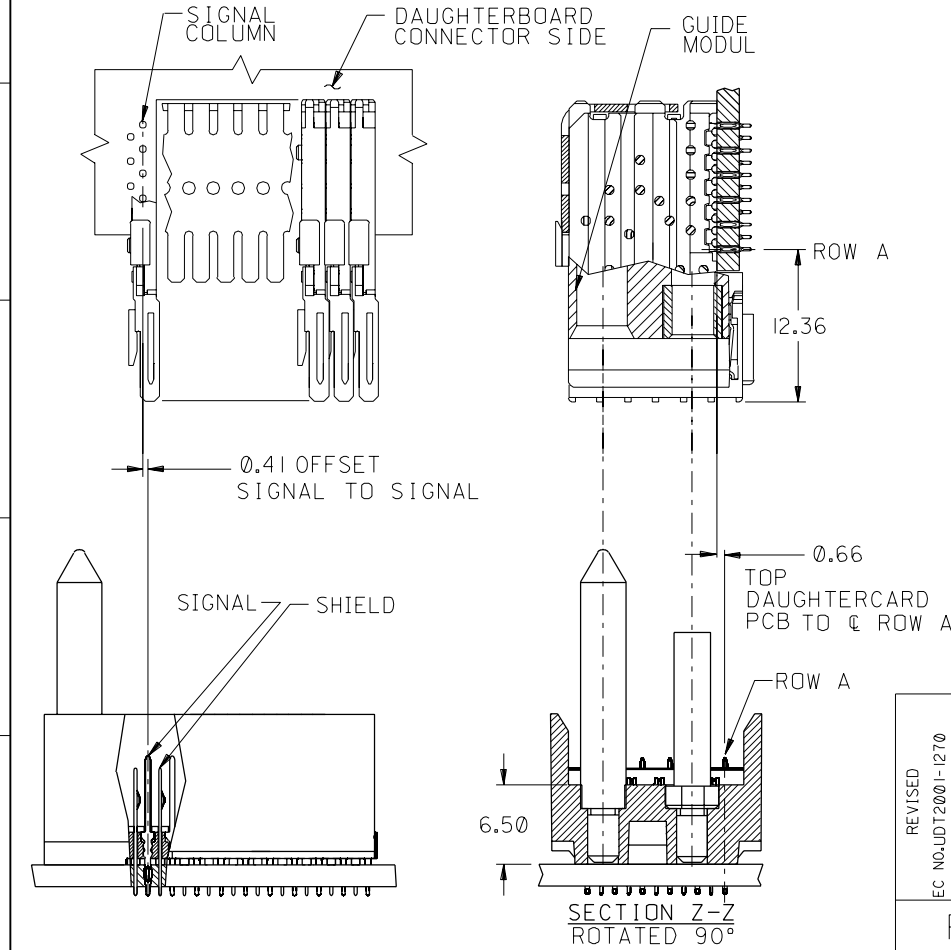
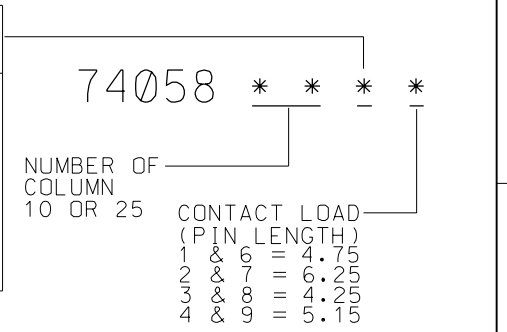
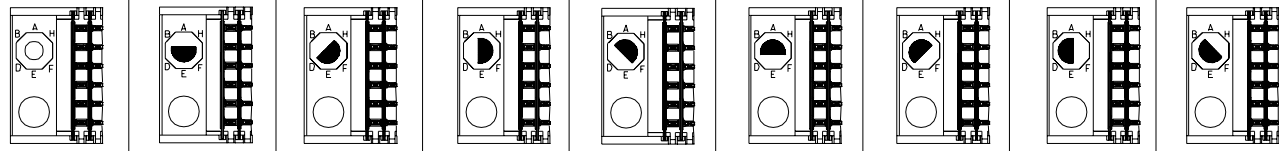
Surface Mount Compatible (SMC)	Yes	VHDM® 6 Row Shield Extraction Tool	<u>0622016000</u>
Temperature Range - Operating	105°C	VHDM® Insertion Module for Advanced Mate Signal Header, 6 Row by 25 Wide, 50.00mm (1.97")	<u>0622020204</u>
Termination Interface: Style	Through Hole - Compliant Pin	VHDM® Insertion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

This document was generated on 05/19/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



KEYING PIN
ORIENTATION



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	4.75	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	6.25	0.76	
74058-25*7							1.25	
74058-10*3	10	60	10	20.00	18.00	4.25	0.76	
74058-10*8							1.25	
74058-25*3	25	150	25	50.00	48.00	4.25	0.76	
74058-25*8							1.25	
74058-10*4	10	60	10	20.00	18.00	5.15	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 NOLDT2001-1270
DRWN:MWANG 01/05/10
CHK:JLAURX 01/05/10
APPR:CBIXLER 01/05/10

DESCRIPTION
MAJOR
CRITICAL

REV

QUALITY SYMBOLS

GENERAL TOLERANCES:
(UNLESS SPECIFIED)

mm INCH

4 PLACES ±0. --- ±.

3 PLACES ±0. --- ±.

2 PLACES ±0. --- ±.

1 PLACE ±0. --- ±.

ANGULAR: ± — °

DRAFT WHERE APPLICABLE MUST
REMAIN WITHIN DIMENSIONS

SCALE
2.5:1

DESIGN UNITS
☒mm ☐INCH

DRAWN BY & DATE
MWANG 11/09/98

CHECKED BY & DATE
JLAURX 11/09/98

APPROVED BY & DATE
CBIXLER 11/09/98

CAD FILENAME
SD-74058-002-DGN

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

DIMENSIONS:
☐mm ☐INCH ☒mm ONLY

SHT
REVISE ON
CAD ONLY

TITLE:
VHDM BACKPLANE 6 ROW
SIGNAL-PIN END SALES DRAWING

MOLEX MOLEX INCORPORATED

MATERIAL NO.
SEE CHART

DRAWING NO.
SD-74058-002

SHEET NO.
2

SIZE
B