

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0740581021

Status:

Active

Overview:

[vhdm](#)

Description:

2.00mm (.079") Pitch VHDM® Board-to-Board Backplane Header, Vertical, 6-Row, Pin End Version, 60 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 B
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
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

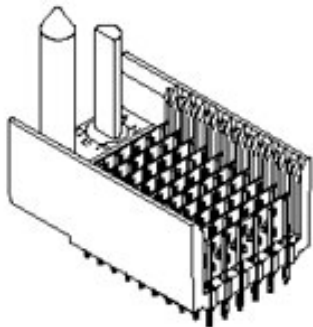


image - Reference only

Series

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

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

[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® Insertion Module for Advanced Mate Signal Header, 6 Row by 11 Wide, 20.00mm (.787")	0622011101
VHDM® Signal Pin Inserter Repair Tool	0622015700

Surface Mount Compatible (SMC)
Temperature Range - Operating
Termination Interface: Style

Yes
105°C
Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact
Data Rate
Real Signals (per 25mm)
Shield Type
Shielded
Voltage - Maximum

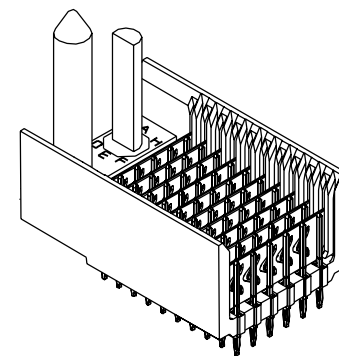
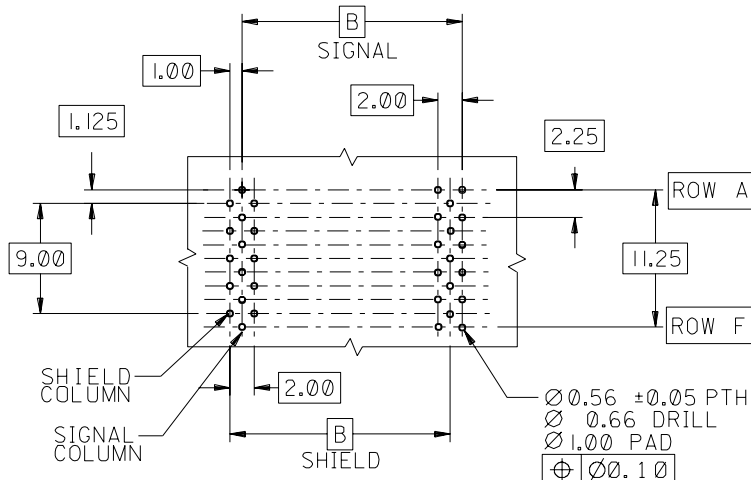
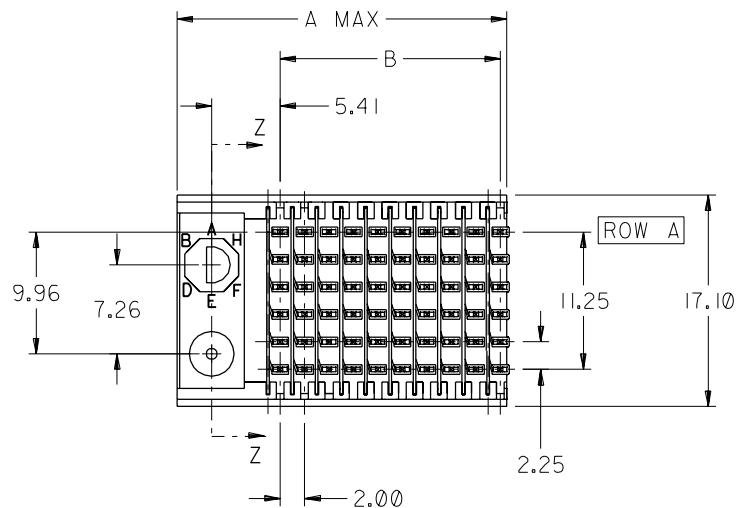
1A
3.125 Gbps
75
Ground Plane Shield
Yes
120V AC (RMS)/DC

Material Info

VHDM and Very High Density Metric are trademarks of Amphenol Corporation

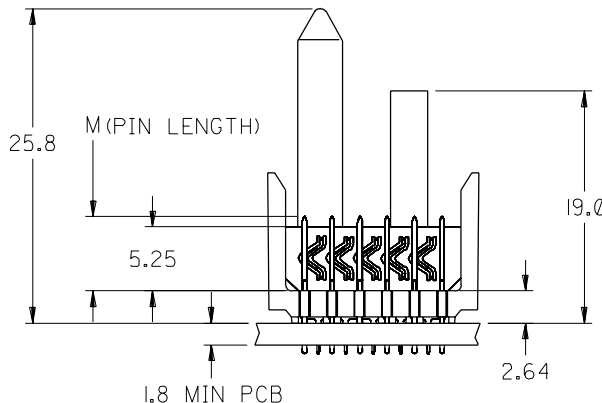
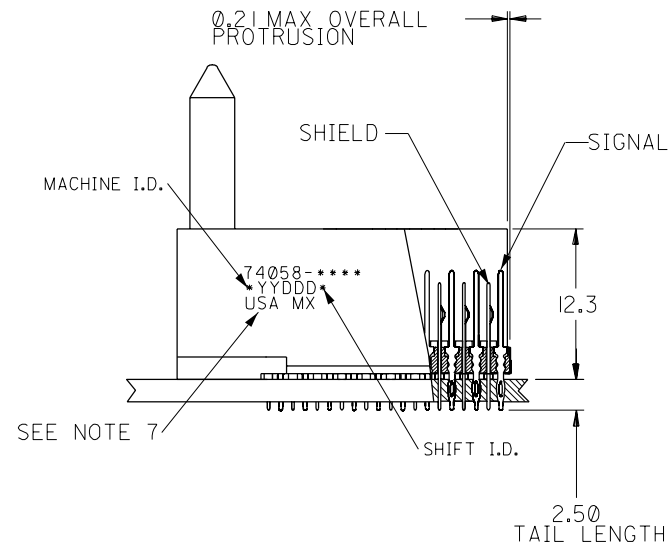
VHDM® 6 Row Pin
and Shield Repair
Tool
VHDM® 6 Row
Shield Extraction
Tool
VHDM® Insertion
Module for Advanced
Mate Signal Header,
6 Row by 10 Wide,
20.00mm (.787")
VHDM® Insertion
Module for Advanced
Mate Signal Header,
6 Row by 10 Wide,
20.00mm (.787")

[0622015800](#)
[0622016000](#)
[0622020203](#)
[0622020207](#)



BACKPLANE HOLE PATTERN
RECOMMENDED DIMENSIONS

Ø 0.56 ± 0.05 PTH
Ø 0.66 DRILL
Ø 1.00 PAD
⊕ Ø 0.10



NOTES:

1. MATERIALS:
HOUSING - LIQUID CRYSTAL POLYMER (LCP),
GLASS-FILLED, UL 94V-0, COLOR: BLACK.
SIGNAL PIN & SHIELD - COPPER ALLOY.
2. FINISHES:
SELECTIVE GOLD (Au) IN CONTACT AREA;
SELECTIVE TIN/LEAD (Sn/Pb) ON PCB TAILS AND
NICKEL (Ni) OVERALL.
3. THIS PART CONFORMS TO MOLEX
PRODUCT SPECIFICATION PS-74031-999
4. FOR MIXED CONTACT MATING LENGTHS.
CONSULT MOLEX FOR AVAILABILITY.
5. FOR SPECIFIC MATERIAL NUMBERS
AND MATING INFORMATION REFER TO
SHEET 2.
6. PACKAGE PER PK-74058-003.
7. EITHER MARK PARTS WITH PART NUMBER AND DATE CODE
APPROXIMATELY WHERE SHOWN OR PLACE LABEL ON HTE TUBE.

SEE NOTE 7

REVISED EC NO: JDT2001-1270 DRWN: MWANG 01/05/10 CHK: JLAURX 01/05/10 APPR: CBIXLER 01/05/10 F	DESCRIPTION MAJOR = 0 CRITICAL = 0 REV	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 2.5:1	DESIGN UNITS ☒ mm ☐ INCH	THIRD ANGLE PROJECTION	DIMENSIONS: ☐ mm ☐ INCH ☒ mm ONLY		SHT 1	REV F	
		4 PLACES ±0. — ±.	3 PLACES ±0. — ±.	2 PLACES ±0. — ±.	1 PLACE ±0. — ±.	DRAWN BY & DATE MWANG 11/09/98		TITLE: VHDM BACKPLANE 6 ROW SIGNAL-PIN END SALES DRAWING			
		ANGULAR: ± — °				CHECKED BY & DATE JLAURX 11/09/98		MOLEX MOLEX INCORPORATED			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				APPROVED BY & DATE CBIXLER 11/09/98		MATERIAL NO. SD-74058-002.DGN			
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		DRAWING NO. SD-74058-002		SHEET NO. 1 OF 2		SIZE B	