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Part Number:

0740588501

Status:

Active

Overview:

[vhdm](#)

Description:

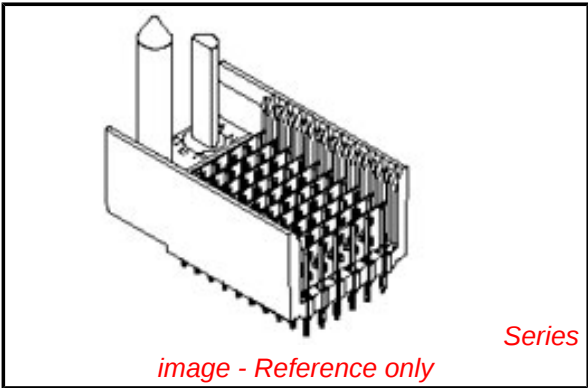
2.00mm (.079") Pitch VHDM® Board-to-Board Backplane Header, Vertical, 6-Row, Guide Pin Signal Module, Pin End Version, 150 Circuits, Pin Length 4.75mm (.187")

Documents:

[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
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
Surface Mount Compatible (SMC)	Yes



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

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.

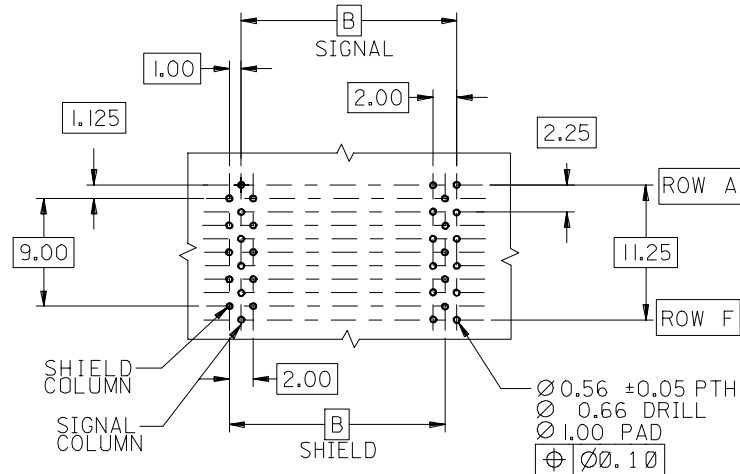
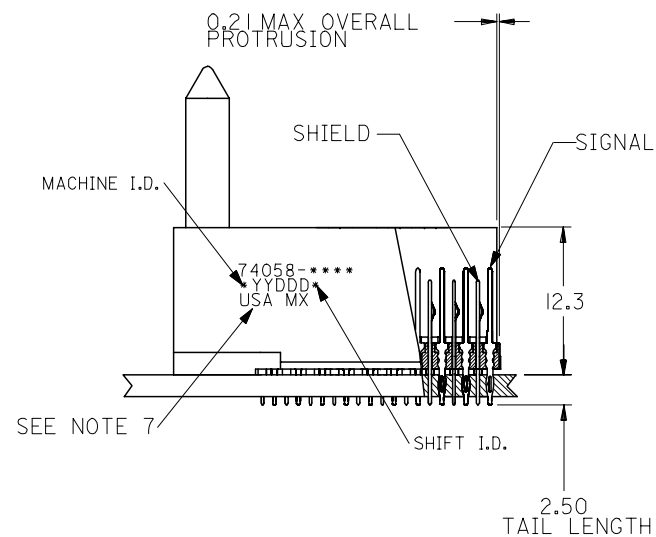
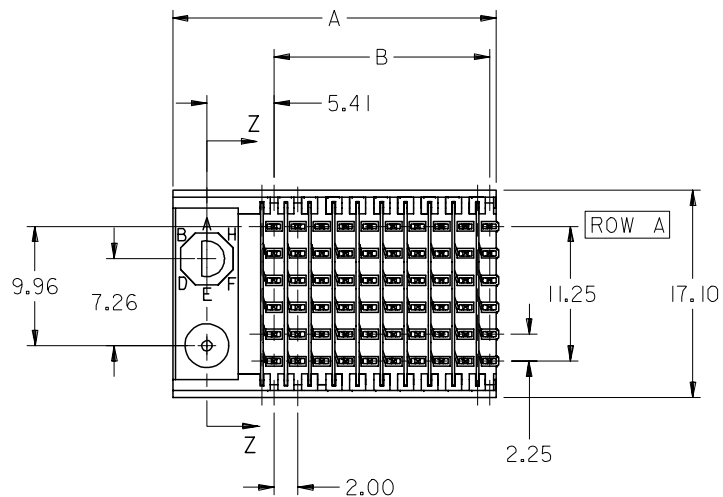
Global

Description	Product #
Flat Rock Tooling for Pneumatic Press	0622013700
VHDM® Signal Pin Inserter Repair Tool	0622015700
VHDM® 6 Row Pin and Shield Repair Tool	0622015800

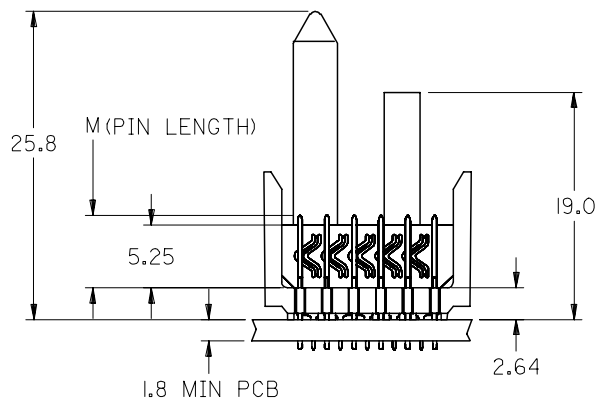
Temperature Range - Operating	105°C	VHDM® 6 Row	<u>0622016000</u>
Termination Interface: Style	Through Hole - Compliant Pin	Shield Extraction	Tool
Electrical		VHDM® Insertion	<u>0622020204</u>
Current - Maximum per Contact	1A	Module for Advanced	Mate Signal Header,
Data Rate	3.125 Gbps	6 Row by 25 Wide,	50.00mm (1.97")
Real Signals (per 25mm)	75	VHDM® Insertion	<u>0622020208</u>
Shield Type	Ground Plane Shield	Module for Standard	Shield Signal
Shielded	Yes	Header, 6 Row by	25 Wide, 50.00mm
Voltage - Maximum	120V AC (RMS)/DC	(1.97")	
Material Info			
Reference - Drawing Numbers			
Sales Drawing	SD-74058-002		
VHDM and Very High Density Metric are trademarks of Amphenol Corporation			

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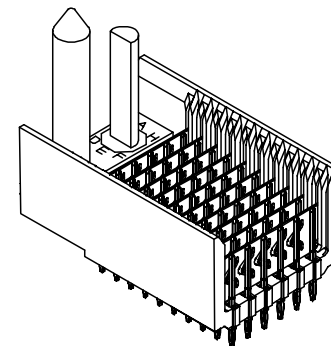


BACKPLANE HOLE PATTERN
RECOMMENDED DIMENSIONS



NOTES:

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



ADD LEADFREE PINS EC NO: UCP2006-0079 DRWN: KMULVEY CHKD: 2005/07/21 APPR: SREED 2005/07/22	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2.5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
			mm	INCH	DRAWN BY MWANG	DATE 1998/11/09	TITLE VHDM 6 ROW SIGNAL END BACKPLANE SALES ASSEMBLY MOLEX INCORPORATED			
			4 PLACES	± --- ± ---	CHECKED BY JLAURX	DATE 1998/11/09				
			3 PLACES	± --- ± ---	APPROVED BY CBIXLER	DATE 1998/11/09				
			2 PLACES	± --- ± ---	MATERIAL NO.	DOCUMENT NO.				SHEET NO. 1 OF 2
			1 PLACE	± --- ± ---	SEE SHEET 2					
			ANGULAR ±1/2°		SD-74058-002					
REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

10 9 8 7 6 5 4 3 2 1

M/N
74058-()

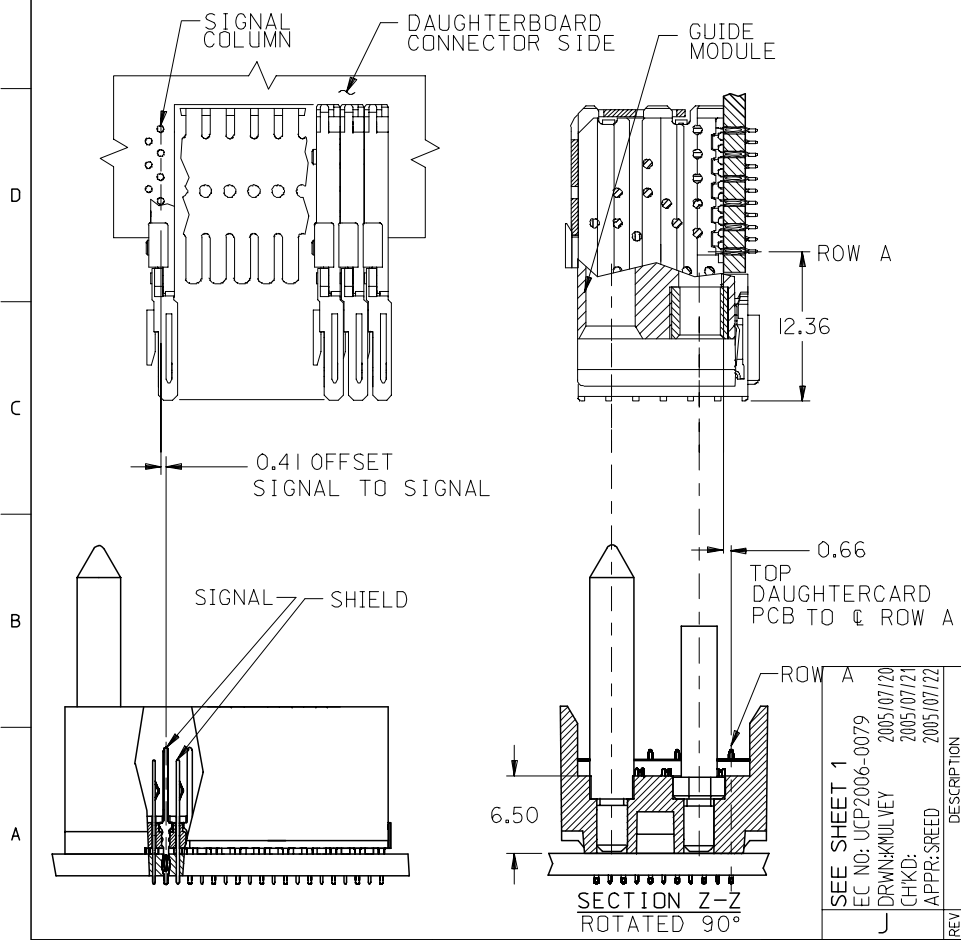
KEYING PIN
ORIENTATION

---0*	---1*	---2*	---3*	---4*	---5*	---6*	---7*	---8*
O	A	B	C	D	E	F	G	H

74058 * * * *

NUMBER OF COLUMNS/PLATING
10 = 10 COLUMN TIN/LEAD
25 = 25 COLUMN TIN/LEAD
90 = 10 COLUMN MATTE TIN
85 = 25 COLUMN MATTE TIN

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	B	M	Au (um) THICKNESS	Sn (um) THICKNESS
74058-0*1	10	60	10	27.00	18.00	4.75	0.76	0.76-1.52
74058-0*6							1.27	
74058-5*1	25	150	25	57.00	48.00	6.25	0.76	
74058-5*6							1.27	
74058-0*2	10	60	10	27.00	18.00	4.25	0.76	
74058-0*7							1.27	
74058-5*2	25	150	25	57.00	48.00	5.15	0.76	
74058-5*7							1.27	
74058-0*3	10	60	10	27.00	18.00	4.25	0.76	
74058-0*8							1.27	
74058-5*3	25	150	25	57.00	48.00	5.15	0.76	
74058-5*8							1.27	
74058-0*4	10	60	10	27.00	18.00	4.25	0.76	
74058-0*9							1.27	
74058-5*4	25	150	25	57.00	48.00	5.15	0.76	
74058-5*9							1.27	