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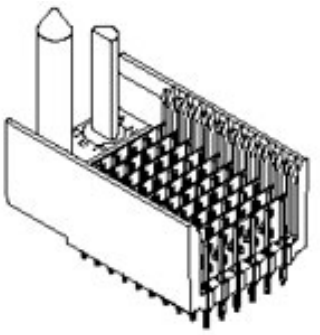
Part Number: 0740581011
Status: Active
Overview: vhdm
Description: 2.00mm (.079") Pitch VHDM® Board-to-Board Backplane Header, Vertical, 6-Row, Pin End Version, 60 Circuits, Pin Length 4.75mm (.187")



Series image - Reference only

Documents:
3D Model
Drawing (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

UL	E29179

General

Product Family	Backplane Connectors
Series	74058
Application	Backplane
Application Tooling Documents	Tooling Manual
Comments	Keying Postion A
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
Flammability	94V-0
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

EU RoHS
RoHS Compliant by Exemption
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Halogen-Free

China RoHS
50
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

Plating min: Termination (µin)	30
Plating min: Termination (µm)	0.75
Polarized to PCB	Yes
Stackable	No
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

Reference - Drawing Numbers

Sales Drawing	SD-74058-002

VHDM® 6 Row Pin and Shield Repair Tool	0622015800
VHDM® 6 Row Shield Extraction Tool	0622016000
VHDM® Insertion Module for Advanced Mate Signal Header, 6 Row by 10 Wide, 20.00mm (.787")	0622020203
VHDM® Insertion Module for Advanced Mate Signal Header, 6 Row by 10 Wide, 20.00mm (.787")	0622020207

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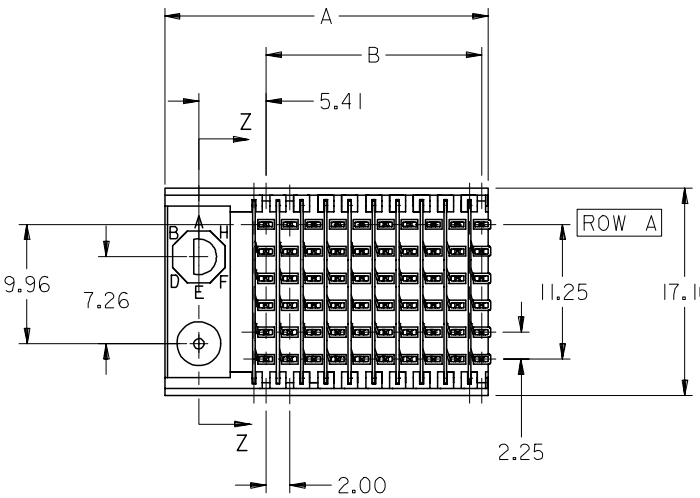
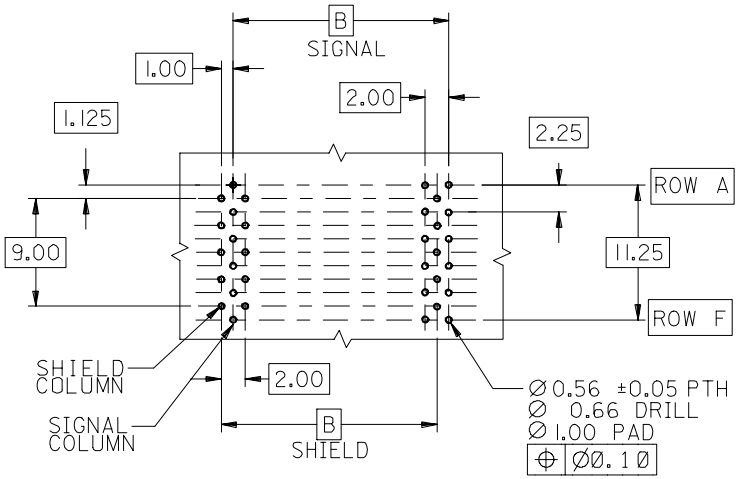
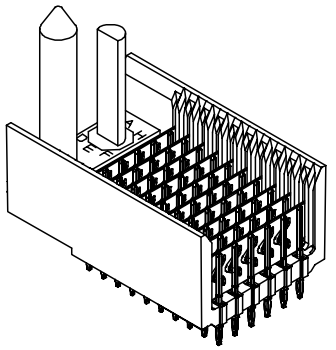
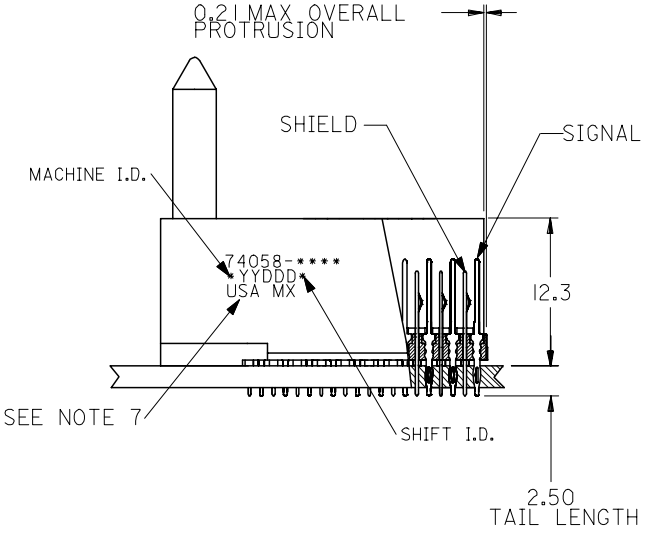
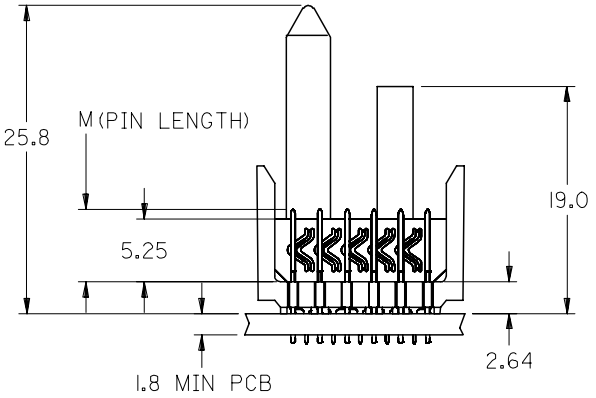




BACKPLANE HOLE PATTERN
RECOMMENDED DIMENSIONS







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 PNs
EC NO: UCP2006-0079 2005/07/20
DRWN: KMULVEY 2005/07/21
CH'KD: APPR: SREED 2005/07/22
DESCRIPTION
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2.5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	MWANG	DATE 1998/11/09
CHECKED BY	JLAURX	DATE 1998/11/09
APPROVED BY	CBIXLER	DATE 1998/11/09

TITLE: VHDM 6 ROW SIGNAL END BACKPLANE SALES ASSEMBLY

MOLEX INCORPORATED

MATERIAL NO.: SEE SHEET 2
DOCUMENT NO.: SD-74058-002
SHEET NO.: 1 OF 2

SIZE B

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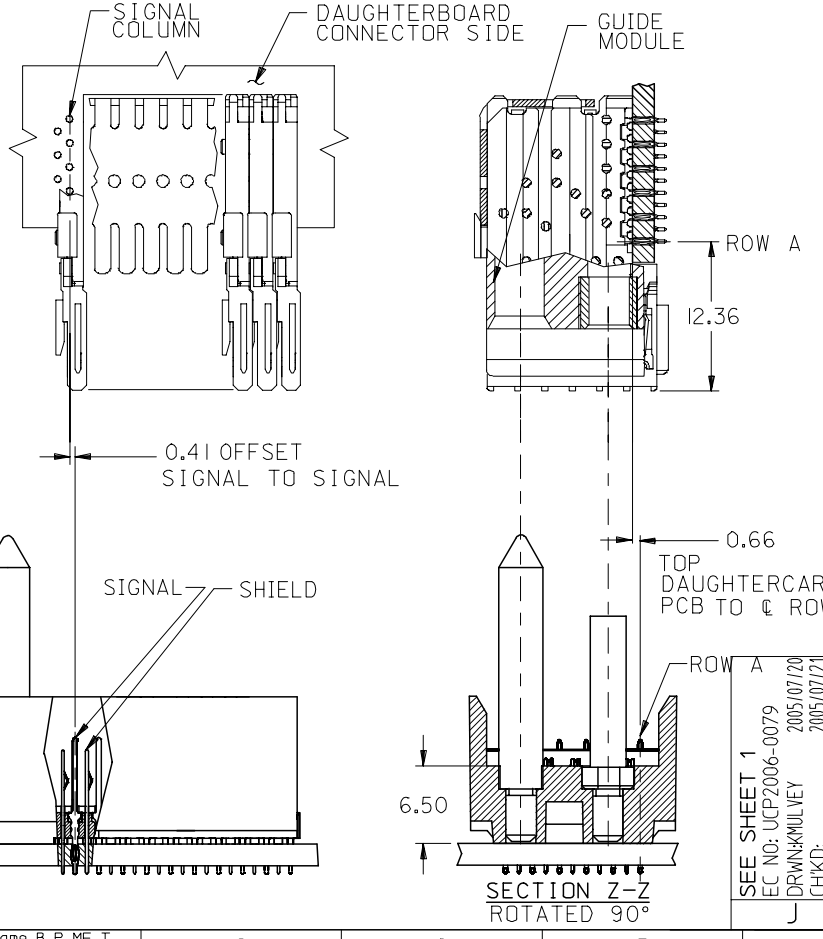
M/N 74058-( )	-**0*	-**1*	-**2*	-**3*	-**4*	-**5*	-**6*	-**7*	-**8*
KEYING PIN ORIENTATION	0	A	B	C	D	E	F	G	H

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		0.76	
74058-*5*6							1.27	
74058-*0*2	10	60	10	27.00	18.00	6.25	0.76	
74058-*0*7							1.27	
74058-*5*2	25	150	25	57.00	48.00		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		0.76	
74058-*5*8							1.27	
74058-*0*4	10	60	10	27.00	18.00	5.15	0.76	
74058-*0*9							1.27	
74058-*5*4	25	150	25	57.00	48.00		0.76	
74058-*5*9							1.27	

SEE SHEET 1
EC NO: UCP2006-0079 2005/07/20
DRWN:KMULVEY 2005/07/21
CH'KD: 2005/07/22
APPR:SREED
DESCRIPTION
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2.5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	MWANG	1998/11/09
CHECKED BY	JLAURX	1998/11/09
APPROVED BY	CBIXLER	1998/11/09

TITLE: VHDM 6 ROW SIGNAL END BACKPLANE SALES ASSEMLBY

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-74058-002
SHEET NO.: 2 OF 2
SIZE: B

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Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

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