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Part Number:

0746492602

Status:

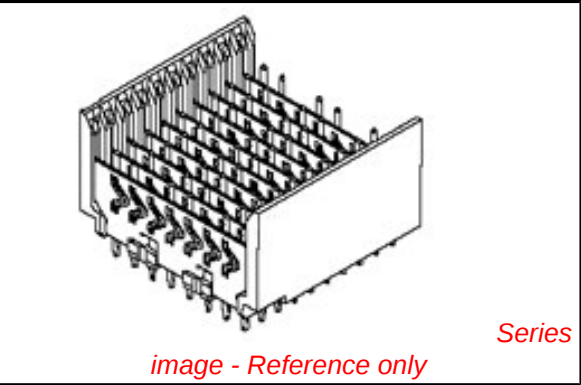
Active

Overview:

vhdm__hsd

Description:

2.00mm (.079") Pitch 8-Row VHDM-HSD™ Backplane Header, Guide Pin Signal Module, Open End Version, Advanced Mate Shield, 150 Circuits, , Pin Length 6.25mm (.246")



Documents:

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification	
CSA	LR19980
General	
Product Family	Backplane Connectors
Series	74649
Application	Backplane
Application Tooling Documents	Tooling Manual
Comments	Open Header
Component Type	PCB Header
Overview	vhdm__hsd
Product Name	VHDM-HSD™
Style	N/A
Physical	
Circuits (Loaded)	150
Circuits (maximum)	150
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Flammability	94V-0
Guide to Mating Part	No
Keying to Mating Part	None
Material - Metal	Copper-Nickel-Silicon, High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin-Lead
Material - Resin	High Temperature Thermoplastic
Number of Columns	25
Number of Pairs	Open Pin Field
Number of Rows	8
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)	0.070 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)	0.079 In
Pitch - Term. Interface (mm)	2.00 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	30

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

74649Series

Mates With

HSD Daughtercards [74680](#) , [74686](#)

Use With

Daughtercard Modules

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 #
VHDM® Insertion Module for Advanced Mate Signal Header, 6 Row by 25 Wide, 50.00mm (1.97")	0622020206

Plating min: Termination (μm)	0.75
Polarized to PCB	Yes
Stackable	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	1A
Data Rate	5.0 Gbps
Real Signals (per 25mm)	72
Shield Type	Ground Plane Shield
Shielded	Yes
Voltage - Maximum	250V

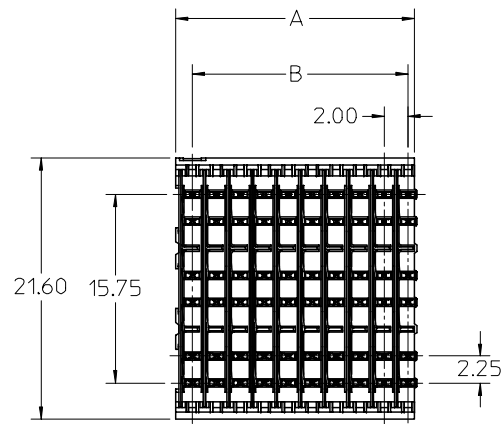
Material Info

Reference - Drawing Numbers

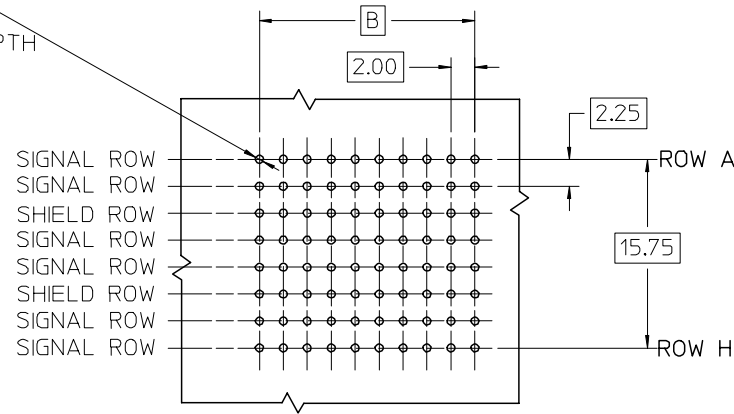
Packaging Specification	PK-74060-003
Sales Drawing	SD-74649-003

VHDM-HSD is a trademark of Amphenol Corporation

This document was generated on 05/27/2010
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$\varnothing 0.66$ DRILL
 $\varnothing 0.56 \pm 0.05$ PTH
 $\varnothing 1.00$ PAD
 $\varnothing 0.10$



BACKPLANE HOLE PATTERN RECOMMENDED DIMENSION

NOTES:

1. MATERIAL:

HOUSING -LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED. UL 94V-0. COLOR BLACK. SIGNAL PIN & SHIELD -HIGH PERFORMANCE COPPER ALLOY.

2. FINISHES:

CONTACT AREA: SELECTIVE GOLD (Au)

PCB TAILS: SELECTIVE TIN/LEAD (Sn/Pb) OR SELECTIVE MATTE TIN (Sn)

NICKEL (Ni) OVERALL.

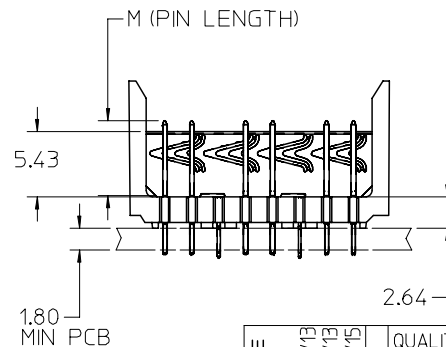
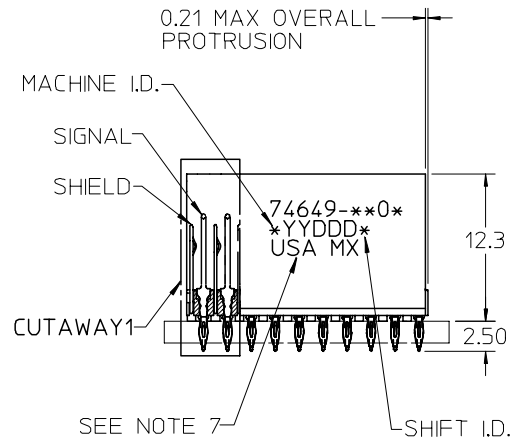
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-74031-999.

4. FOR MIXED CONTACT MATING LENGTHS CONSULT MOLEX FOR AVAILABILITY.

5. FOR SPECIFIC PART NUMBERS AND MATING INFORMATION REFER TO SHEET 2.

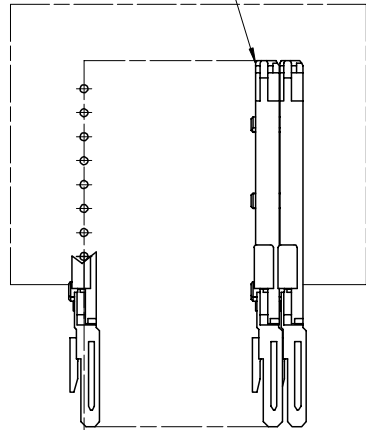
6. PACKAGE PER PK-74060-003.

7. EITHER MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN OR PLACE LABEL ON THE TUBE.

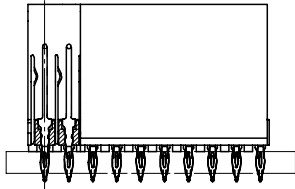


REVISED - PLATING NOTE EC NO: UCP2006-0051 DRWN: KMULVEY 2005/07/13 CHKD: 2005/07/13 APPR: SREED 2005/07/15	QUALITY SYMBOLS DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 2.5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY	
D	REV	mm		INCH		DIMENSION STYLE		TITLE	
		4 PLACES ± --- ± ---		MM ONLY		HSD SALES ASSEMBLY 8 ROW ADVANCED MATE OPEN END BACKPLANE			
		3 PLACES ± --- ± ---		DRAWN BY DATE					
		2 PLACES ± --- ± ---		MQWANG 2001/05/21					
		1 PLACE ± --- ± ---		CHECKED BY DATE					
		ANGULAR ±1/2°		JLAURX 2001/05/25		MOLEX INCORPORATED			
		DRAFT WHERE APPLICABLE		APPROVED BY DATE		MATERIAL NO.		DOCUMENT NO.	
		MUST REMAIN WITHIN DIMENSIONS		CBIXLER 2001/05/25		SEE SHEET 2		SD-74649-003	
								SHEET NO. 1 OF 2	
								THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

DAUGHTERCARD
CONNECTOR SIDE

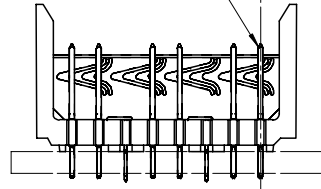


0.41 OFFSET
SIGNAL TO SIGNAL



2.45
TOP DAUGHTERCARD PCB
TO CENTER LINE OF ROW A

ROW A



MATERIAL NUMBER ASSIGNMENT

74649-XXYY

SEE TABLE

11 = 10 COLUMN TIN/LEAD

26 = 25 COLUMN TIN/LEAD

91 = 10 COLUMN MATTE TIN

86 = 25 COLUMN MATTE TIN

PART NUMBER	COLUMN	NUMBER OF SIGNAL PINS	NUMBER OF SHIELDS	A	B	M	Au (um) MIN THICKNESS	Sn (um) THICKNESS
74649-*101	10	60	10	20.00	18.00	4.75	0.76	0.76-1.52
74649-*106							1.27	
74649-*601	25	150	25	50.00	48.00		0.76	
74649-*606							1.27	
74649-*102	10	60	10	20.00	18.00	6.25	0.76	
74649-*107							1.27	
74649-*602	25	150	25	50.00	48.00		0.76	
74649-*607							1.27	
74649-*103	10	60	10	20.00	18.00	4.25	0.76	
74649-*108							1.27	
74649-*603	25	150	25	50.00	48.00		0.76	
74649-*608							1.27	
74649-*104	10	60	10	20.00	18.00	5.15	0.76	
74649-*109							1.27	
74649-*604	25	150	25	50.00	48.00		0.76	
74649-*609							1.27	

SEE SHEET 1 EC NO: UCP2006-0051 DRAWN: KMULVEY 2005/07/13 CHKD: 2005/07/13 APPR: SREED 2005/07/15	DESCRIPTION	QUALITY SYMBOLS ▽ = 0 ▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 2.5:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	REVISE ON CAD ONLY			
					DIMENSION STYLE MM ONLY			TITLE				
			4 PLACES	± ---	± ---		DRAWN BY	DATE	HSD SALES ASSEMBLY 8 ROW ADVANCED MATE OPEN END BACKPLANE			
			3 PLACES	± ---	± ---		QWANG	2001/05/21				
			2 PLACES	± ---	± ---		CHECKED BY	DATE	MOLEX INCORPORATED			
			1 PLACE	± ---	± ---		JLAURX	2001/05/25				
			ANGULAR ±1/2°			APPROVED BY	DATE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.		
			DRAFT WHERE APPLICABLE			CBIXLER	2001/05/25	SEE TABLE	SD-74649-003	2 OF 2		
			MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					B	



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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