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Part Number: [0749802504](#)
Status: **Active**
Overview: [vhdm__hsd](#)
Description: 2.00mm (.079") Pitch 6-Row VHDM-HSD™ Backplane Header, Guide Pin Signal Module, Pin End Version, 100 Circuits, Pin Length 5.15mm (.203")

Documents:

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

Agency Certification

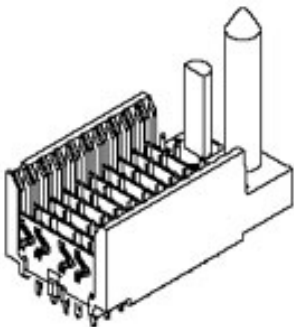
CSA LR19980

General

Product Family Backplane Connectors
Series [74980](#)
Application Backplane
Application Tooling Documents Tooling Manual
Comments No Keying Position
Component Type PCB Header
Overview [vhdm__hsd](#)
Product Name VHDM-HSD™
Style N/A

Physical

Circuits (Loaded) 100
Circuits (maximum) 100
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 None
Material - Metal Copper-Nickel-Silicon, High Performance Alloy (HPA), Stainless Steel
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 6
Orientation Vertical
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
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 Yes
Surface Mount Compatible (SMC) Yes
Temperature Range - Operating -55°C to +105°C



Series

image - Reference only

EU RoHS

RoHS Compliant by Exemption
REACH SVHC
Not Reviewed
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

[74980Series](#)

Mates With

[74880 VHDM\HSD Daughtercard](#)

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® Signal Pin	0622015700
Insertor Repair Tool	
VHDM-HSD™ Signal Header, 6 Row by 25 Wide, 50.00mm (1.97")	0622020217

Termination Interface: Style

Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact

1A

Data Rate

5.0 Gbps

Real Signals (per 25mm)

48

Voltage - Maximum

120V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

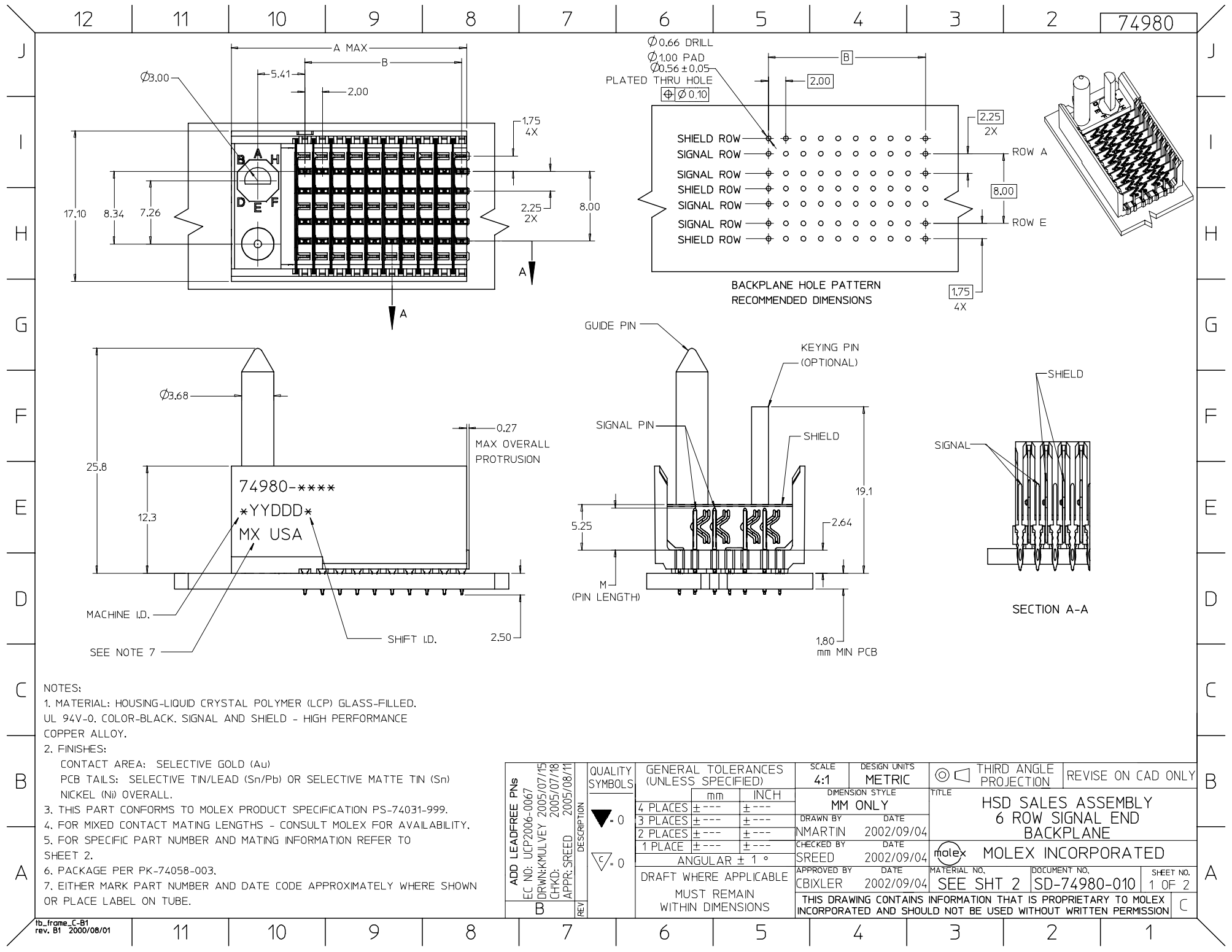
Sales Drawing

SD-74980-010

VHDM-HSD is a trademark of Amphenol Corporation

This document was generated on 05/28/2010

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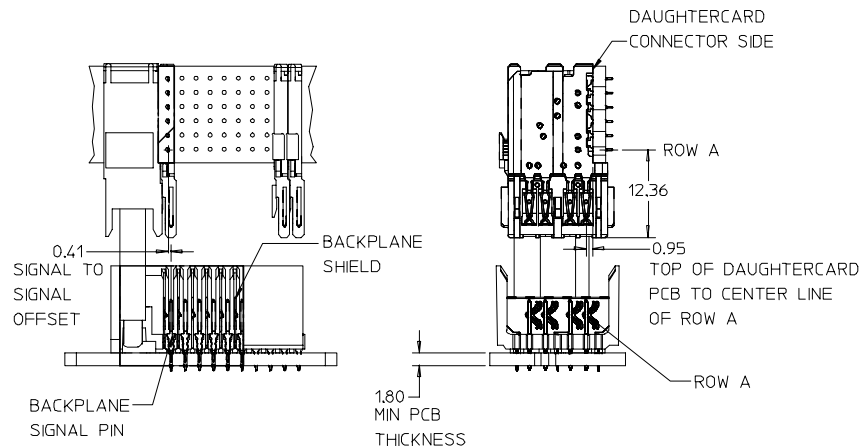


NOTES:

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

ADD LEADFREE PINS EC NO: UCP2006-0067 DRWN: KMULVEY 2005/07/15 CHKD: 2005/07/18 APPR: SREED 2005/08/11	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 4:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	REVISE ON CAD ONLY		
				mm	INCH	DIMENSION STYLE MM ONLY		TITLE HSD SALES ASSEMBLY 6 ROW SIGNAL END BACKPLANE			
			4 PLACES	± ---	± ---	DRAWN BY	DATE	MOLEX INCORPORATED			
			3 PLACES	± ---	± ---	NMARTIN	2002/09/04				
			2 PLACES	± ---	± ---	CHECKED BY	DATE	MATERIAL NO. DOCUMENT NO. SHEET NO.			
			1 PLACE	± ---	± ---	SREED	2002/09/04				
			ANGULAR ± 1 °			APPROVED BY	DATE	SEE SHT 2SD-74980-0101 OF 2			
			DRAFT WHERE APPLICABLE			CBIXLER	2002/09/04				
			MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
						C					

12 11 10 9 8 7 6 5 4 3 2 74980



74980-****
NUMBER OF COLUMNS/PLATING
10 = 10 COLUMN TIN/LEAD
25 = 25 COLUMN TIN/LEAD
90 = 10 COLUMN MATTE TIN
85 = 25 COLUMN MATTE TIN

SIGNAL PIN
LENGTH (mm)
1 & 6 = 4.75
2 & 7 = 6.25
3 & 8 = 4.25
4 & 9 = 5.15

P/N 74980-()	0	A	B	C	D	E	F	G	H
KEYING PIN ORIENTATION									

PART NUMBER	COLUMN	NUMBER OF SIGNAL PINS	NUMBER OF SHIELDS	A MAX	B	M	Au (µm) MIN THICKNESS	Sn/Pb (µm) THICKNESS
74980-×0×1	10	40	10	27.00	18.00	4.75	0.76	0.38-152
74980-×0×6							1.27	
74980-×5×1	25	100	25	57.00	48.00		0.76	
74980-×5×6							1.27	
74980-×0×2	10	40	10	27.00	18.00	6.25	0.76	
74980-×0×7							1.27	
74980-×5×2	25	100	25	57.00	48.00		0.76	
74980-×5×7							1.27	
74980-×0×3	10	40	10	27.00	18.00	4.25	0.76	
74980-×0×8							1.27	
74980-×5×3	25	100	25	57.00	48.00		0.76	
74980-×5×8							1.27	
74980-×0×4	10	40	10	27.00	18.00	5.15	0.76	
74980-×0×9							1.27	
74980-×5×4	25	100	25	57.00	48.00		0.76	
74980-×5×9							1.27	

SEE SHT 1 EC NO: UCP2006-0067 DRAWN: KMULVEY 2005/07/15 CHKD: 2005/07/18 APPR: SREED 2005/08/11	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY			
		 = 0  = 0			DIMENSION STYLE		TITLE					
				mm	INCH	MM ONLY		HSD SALES ASSEMBLY 6 ROW SIGNAL END BACKPLANE				
			4 PLACES	±---	±---	DRAWN BY DATE		MOLEX INCORPORATED				
			3 PLACES	±---	±---	NMARTIN 2002/09/04						
2 PLACES	±---	±---	CHECKED BY DATE		MATERIAL NO. DOCUMENT NO. SHEET NO.							
1 PLACE	±---	±---	SREED 2002/09/04		SEE TABLE SD-74980-010 2 OF 2							
			ANGULAR ± 1 °		APPROVED BY DATE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
			DRAFT WHERE APPLICABLE		CBIXLER 2002/09/04							
			MUST REMAIN WITHIN DIMENSIONS									

11 10 9 8 7 6 5 4 3 2 1



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.);

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- 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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