

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0749801014](#)  
**Status:** **Active**  
**Overview:** [vhdm\\_hsd](#)  
**Description:** 2.00mm (.079") Pitch 6-Row VHDM-HSD™ Backplane Header, Guide Pin Signal Module, Pin End Version, 40 Circuits, Pin Length 5.15mm (.203")

**Documents:**

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

**Agency Certification**

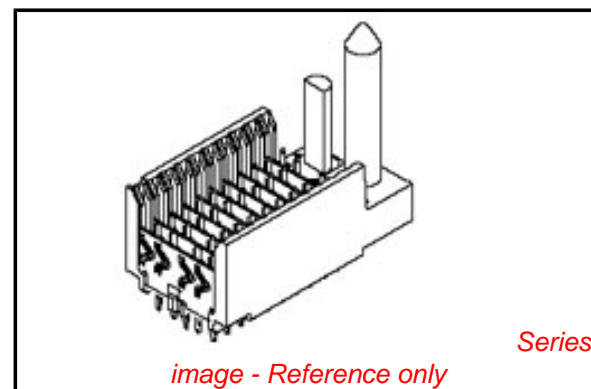
CSA LR19980  
 UL E29179

**General**

Product Family Backplane Connectors  
 Series [74980](#)  
 Application Backplane  
 Application Tooling Documents [Tooling Manual](http://www.molex.com/pdm_docs/ats/TM-622010999.pdf)  
 Comments Keying Position A  
 Component Type PCB Header  
 Overview [vhdm\\_hsd](#)  
 Product Name VHDM-HSD™  
 Style N/A

**Physical**

Circuits (Loaded) 40  
 Circuits (maximum) 40  
 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 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 10  
 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



**EU RoHS**

**RoHS Compliant by Exemption**  
**REACH SVHC**  
**Contains SVHC: No**  
**Halogen-Free**  
**Status**  
**Not Reviewed**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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 VHDMHSD 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 Inserter Repair Tool	<a href="#">0622015700</a>
VHDM-HSD™ Signal Header, 6 Row by 10 Wide, 20.00mm (.787")	<a href="#">0622020216</a>

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) 48  
Voltage - Maximum 120V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

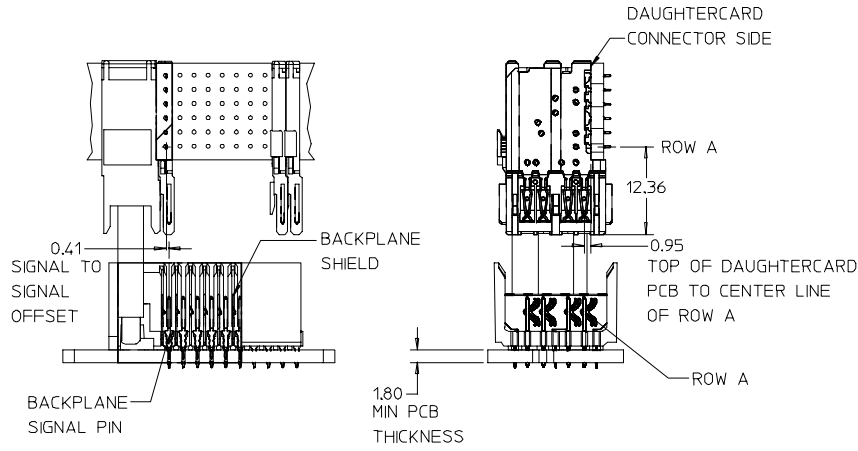
Sales Drawing SD-74980-010

VHDM-HSD is a trademark of Amphenol Corporation

This document was generated on 05/28/2010

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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*	-**1*	-**2*	-**3*	-**4*	-**5*	-**6*	-**7*	-**8*
	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	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY		
		DIMENSION STYLE MM ONLY		TITLE		HSD SALES ASSEMBLY 6 ROW SIGNAL END BACKPLANE			
		DRAFT WHERE APPLICABLE		APPROVED BY DATE		MATERIAL NO.		DOCUMENT NO.	
		MUST REMAIN WITHIN DIMENSIONS		CBIXLER 2002/09/04		SEE TABLE		SD-74980-010	