

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0749801001](#)
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 4.75mm (.187")

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

Agency Certification

CSA LR19980
UL E29179

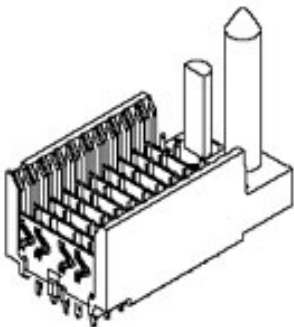
General

Product Family Backplane Connectors
Series [74980](#)
Application Backplane
Application Tooling Documents Tooling Manual
Comments No Keying Position
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 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 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



Series

image - Reference only

EU RoHS
RoHS Compliant by Exemption
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

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
[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.

Description	Product #
VHDM® Signal Pin	0622015700
Insertor Repair Tool	
VHDM-HSD™ Signal Header, 6 Row by 10 Wide, 20.00mm (.787")	0622020216

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

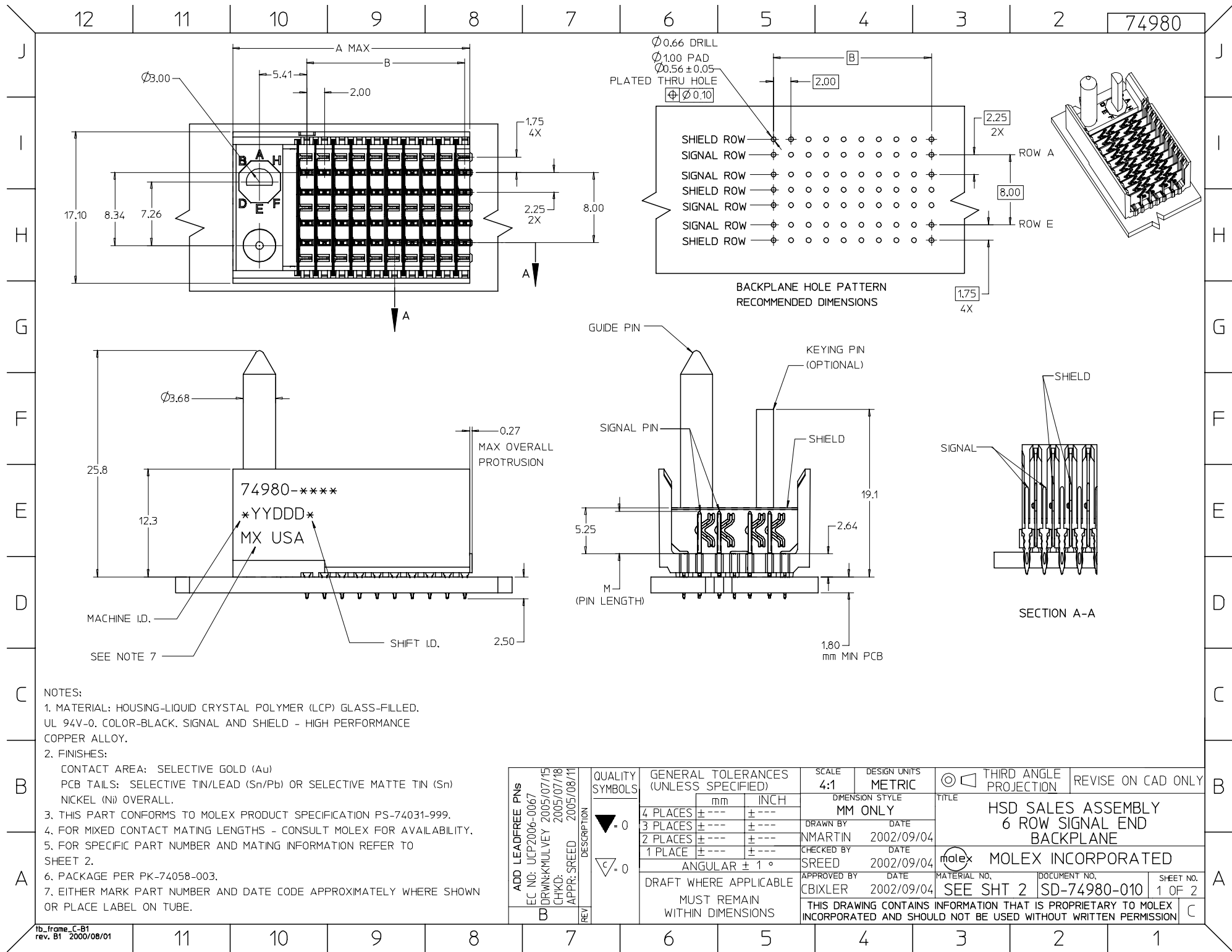
Reference - Drawing Numbers

Sales Drawing	SD-74980-010
---------------	--------------

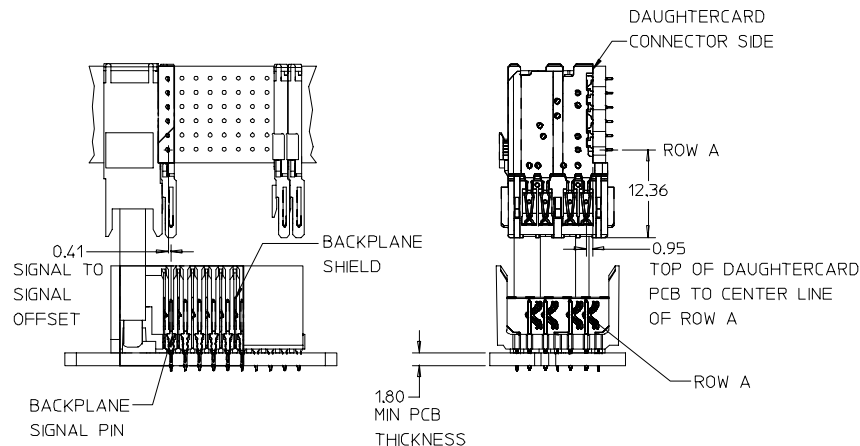
VHDM-HSD is a trademark of Amphenol Corporation

This document was generated on 05/28/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



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

11 10 9 8 7 6 5 4 3 2 1