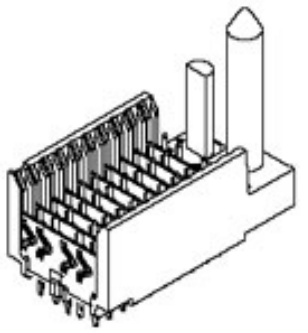
This document was generated on 05/28/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0749802502
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 6.25mm (.246")



Series image - Reference only

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

EU RoHS	China RoHS
Compliance Status	
Not Reviewed	
REACH SVHC	
Not Reviewed	
Halogen-Free Status	
Not Reviewed	

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

Termination Interface: Style	Through Hole - Compliant Pin

Electrical

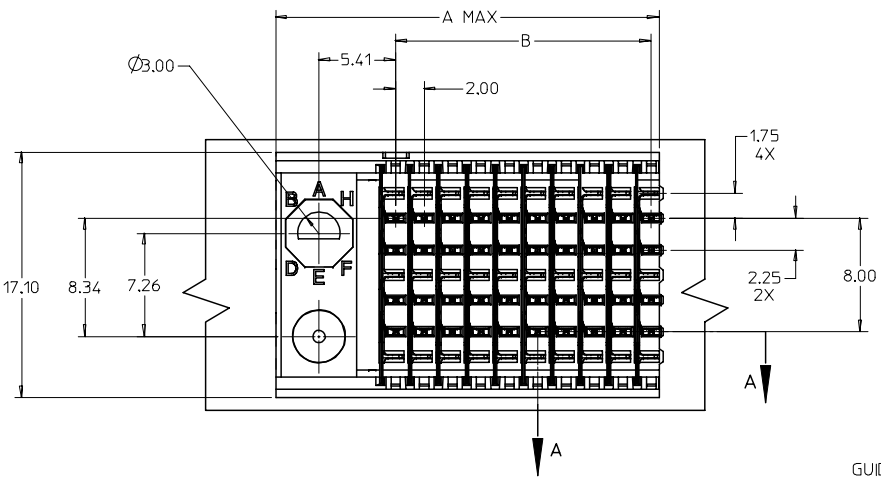
Current - Maximum per Contact	1A
Data Rate	5.0 Gbps
Real Signals (per 25mm)	48
Voltage - Maximum	120V AC (RMS)/DC

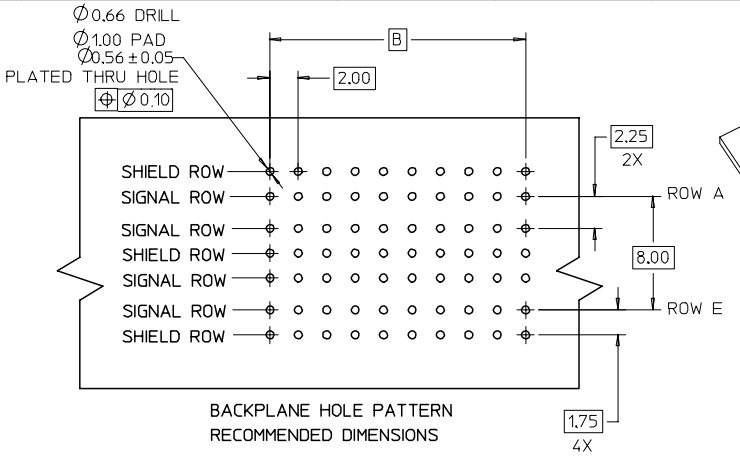
Material Info

Reference - Drawing Numbers

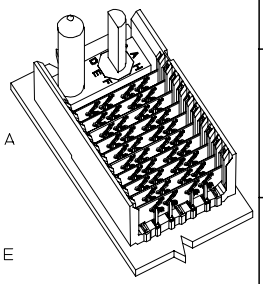
Sales Drawing	SD-74980-010

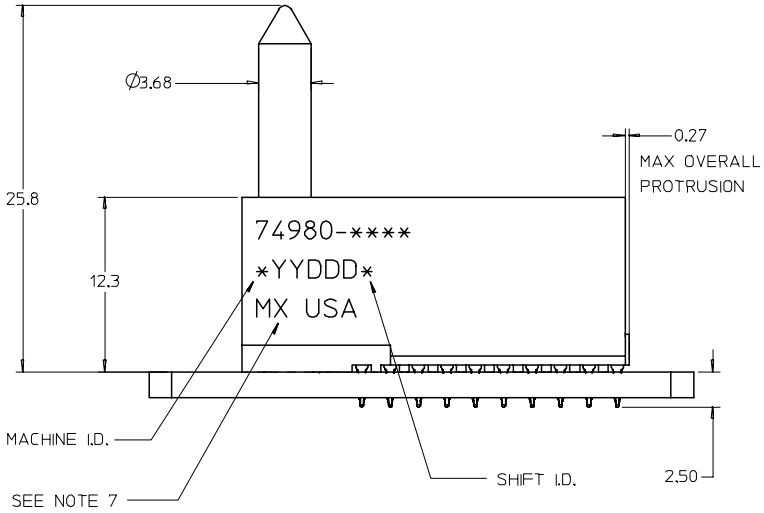
VHDM-HSD is a trademark of Amphenol Corporation

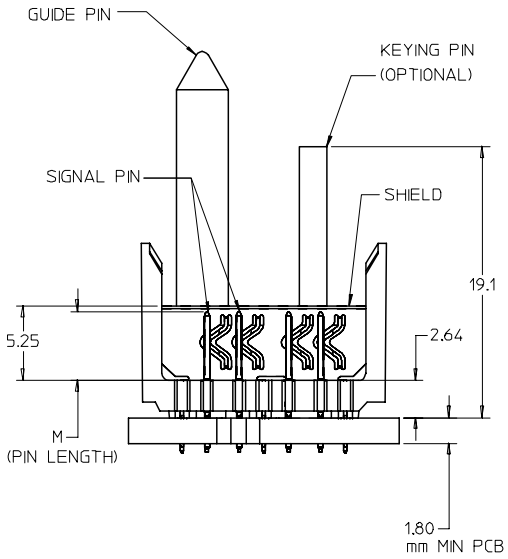


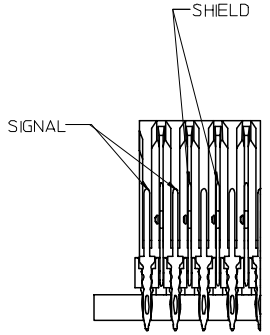


BACKPLANE HOLE PATTERN
RECOMMENDED DIMENSIONS









SECTION A-A

NOTES:
1. MATERIAL: HOUSING-LIQUID CRYSTAL POLYMER (LCP) GLASS-FILLED. UL 94V-0. COLOR-BLACK. SIGNAL AND 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 NUMBER AND MATING INFORMATION REFER TO SHEET 2.
6. PACKAGE PER PK-74058-003.
7. EITHER MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN OR PLACE LABEL ON TUBE.

ADD LEADFREE PNs
EC NO: UCP2006-0067 2005/07/15
DRWN: KMULVEY 2005/07/18
CHKD:
APPR: SREED 2005/08/11
DESCRIPTION
B
REV

QUALITY SYMBOLS
▼ = 0
▽ = 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE	4:1
DESIGN UNITS	METRIC
DIMENSION STYLE	MM ONLY
DRAWN BY	NMARTIN
DATE	2002/09/04
CHECKED BY	SREED
DATE	2002/09/04
APPROVED BY	CBIXLER
DATE	2002/09/04

THIRD ANGLE PROJECTION
REVISE ON CAD ONLY

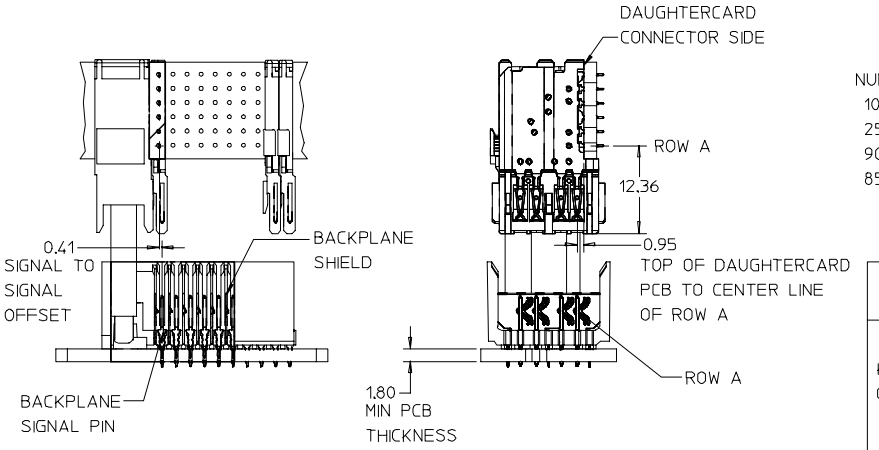
TITLE
HSD SALES ASSEMBLY
6 ROW SIGNAL END
BACKPLANE

MOLEX INCORPORATED

MATERIAL NO.	DOCUMENT NO.	SHEET NO.
SEE SHT 2	SD-74980-010	1 OF 2

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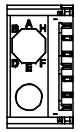
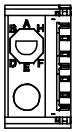
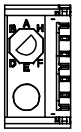
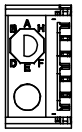
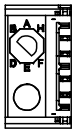
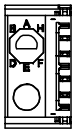
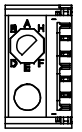
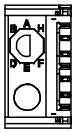
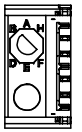
C



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* 0	-**1* A	-**2* B	-**3* C	-**4* D	-**5* E	-**6* F	-**7* G	-**8* 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	0.38-1.52
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
DRWN: KMULVEY 2005/07/15
CHKD: 2005/07/18
APPR: SREED 2005/08/11
DESCRIPTION
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REV

QUALITY SYMBOLS
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▽C = 0

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SCALE 4:1
DESIGN UNITS METRIC
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REVISE ON CAD ONLY
DIMENSION STYLE MM ONLY
DRAWN BY NMARTIN DATE 2002/09/04
CHECKED BY SREED DATE 2002/09/04
APPROVED BY CBIXLER DATE 2002/09/04

TITLE
HSD SALES ASSEMBLY
6 ROW SIGNAL END
BACKPLANE

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MATERIAL NO. SEE TABLE
DOCUMENT NO. SD-74980-010
SHEET NO. 2 OF 2

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