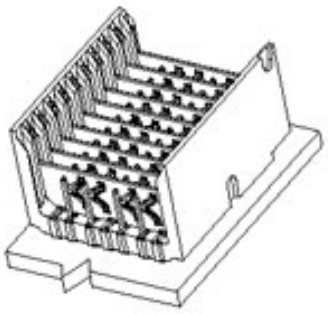
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0749791002
Status: Active
Overview: vhdm__hsd
Description: 2.00mm (.079") Pitch 6-Row VHDM-HSD™ Backplane Header, Open Module, 40 Circuits, Gold (Au) Selective 0.76µm (30µ"), Pin Length 6.25mm (.246")

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)
Product Specification PS-74031-999 (PDF)



Series image - Reference only

General

Product Family	Backplane Connectors
Series	74979
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)	40
Circuits (maximum)	40
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
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	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
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	1A

EU RoHS
RoHS Compliant by Exemption
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Halogen-Free

China RoHS
50
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
74979Series

Mates With
74880 VHDM\HSD Daughtercard. 74886 VHDM\HSD Hybrid Daughtercard

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 10 Wide, 20.00mm (.787")	0622020216

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

Material Info

Reference - Drawing Numbers

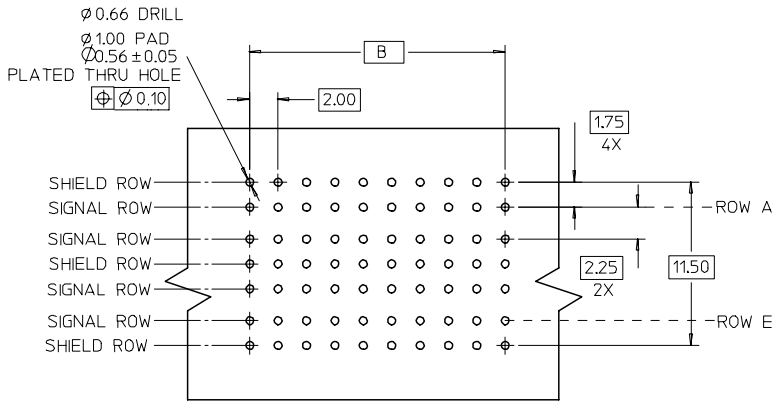
Packaging Specification	PK-74057-003
Product Specification	PS-74031-999
Sales Drawing	SD-74979-010

VHDM-HSD is a trademark of Amphenol Corporation

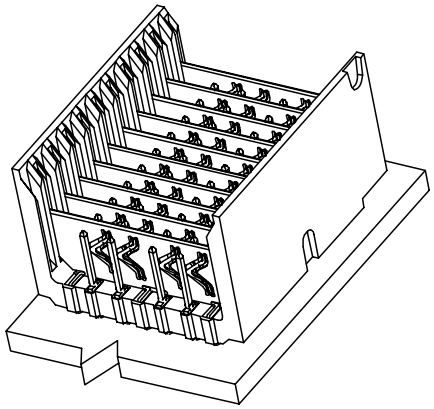
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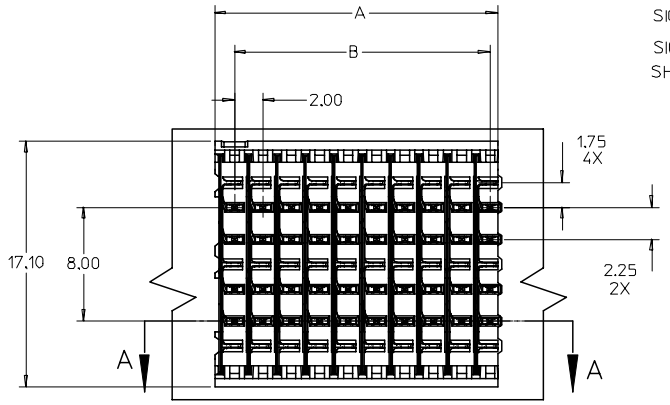
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

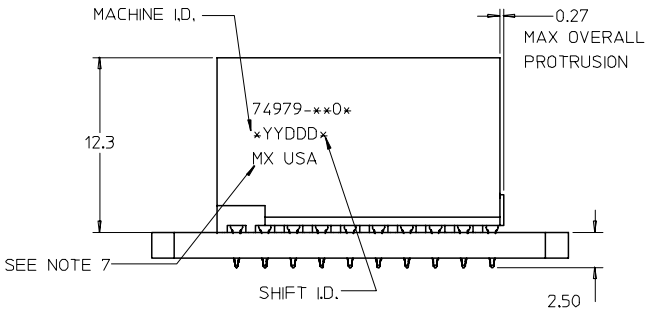
74979

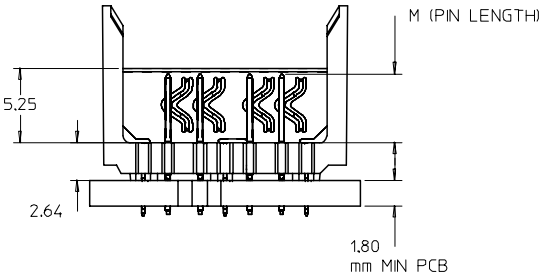


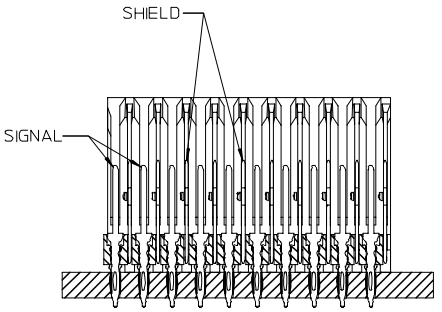
BACKPLANE HOLE PATTERN
RECOMMENDED DIMENSIONS











SECTION A-A
ROTATED 180°

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-74057-003 FOR 10 & 25 COLUMN,
   PACKAGE PER PK-70873-0934 FOR THE 9 COLUMN CONNECTOR.
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
REV E

QUALITY SYMBOLS
▼ = 0
▽ = 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE	4:1
DESIGN UNITS	METRIC
DIMENSION STYLE	MM ONLY
DRAWN BY	NMARTIN
DATE	2002/05/03
CHECKED BY	SREED
DATE	2002/05/03
APPROVED BY	CBIXLER
DATE	2002/05/03

THIRD ANGLE PROJECTION
REVISE ON CAD ONLY

TITLE
HSD SALES ASSEMBLY
6 ROW OPEN END BACKPLANE

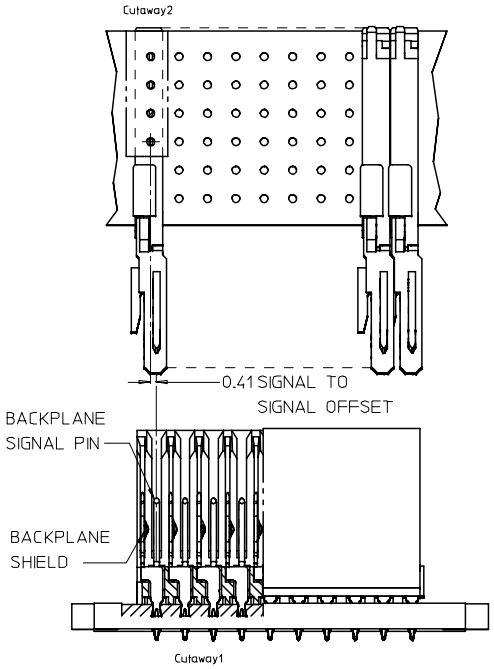
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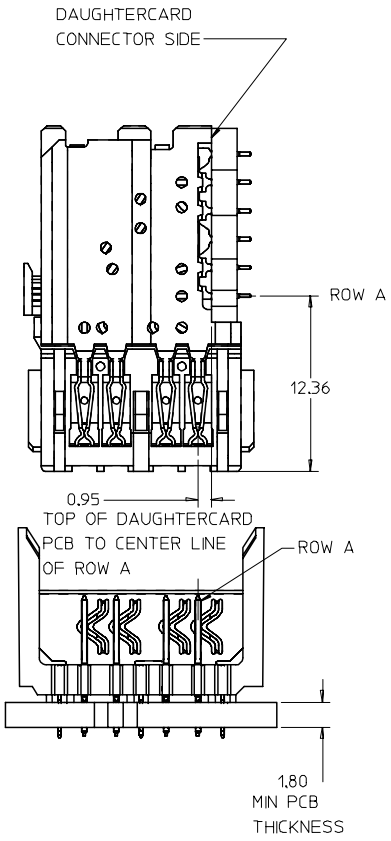
MATERIAL NO.	DOCUMENT NO.	SHEET NO.
SEE SHEET 2	SD-74979-010	1 OF 2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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tb_frame_C-B1
rev. B1 2000/08/01





PART NUMBER	COLUMN	NUMBER OF SIGNAL PINS	NUMBER OF SHIELDS	A	B	M	Au (um) MIN THICKNESS	Sn (um) THICKNESS
74979-*901	9	36	9	18.00	16.00	4.75	0.76	0.76-1.52
74979-*906							1.27	
74979-*001	10	40	10	20.00	18.00		0.76	
74979-*006							1.27	
74979-*501	25	100	25	50.00	48.00		0.76	
74979-*506							1.27	
74979-*902	9	36	9	18.00	16.00	6.25	0.76	
74979-*907							1.27	
74979-*002	10	40	10	20.00	18.00		0.76	
74979-*007							1.27	
74979-*502	25	100	25	50.00	48.00		0.76	
74979-*507							1.27	
74979-*903	9	36	9	18.00	16.00	4.25	0.76	
74979-*908							1.27	
74979-*003	10	40	10	20.00	18.00		0.76	
74979-*008							1.27	
74979-*503	25	100	25	50.00	48.00		0.76	
74979-*508							1.27	
74979-*904	9	36	9	18.00	16.00	5.15	0.76	
74979-*909							1.27	
74979-*004	10	40	10	20.00	18.00		0.76	
74979-*009							1.27	
74979-*504	25	100	25	50.00	48.00		0.76	
74979-*509							1.27	

MATERIAL NUMBER ASSIGNMENT

74979-** **

- ** — SEE TABLE
- ** — NUMBER OF COLUMNS/PLATING
  - 10 = 10 COLUMN TIN/LEAD
  - 25 = 25 COLUMN TIN/LEAD
  - 09 = 9 COLUMN TIN/LEAD
  - 90 = 10 COLUMN MATTE TIN
  - 85 = 25 COLUMN MATTE TIN
  - 99 = 9 COLUMN MATTE TIN

SEE SHEET 1
EC NO: UCP2006-0067 2005/07/15
DRWN:KMULVEY 2005/07/18
CHKD:
APPR: SREED 2005/08/11
DESCRIPTION
REV E

QUALITY SYMBOLS
▼ = 0
▽ = 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE 4:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | REVISE ON CAD ONLY
DIMENSION STYLE MM ONLY
DRAWN BY NMARTIN DATE 2002/05/03
CHECKED BY SREED DATE 2002/05/03
APPROVED BY CBIXLER DATE 2002/05/03

TITLE: HSD SALES ASSEMBLY 6 ROW OPEN END BACKPLANE

MOLEX INCORPORATED

MATERIAL NO. SEE TABLE | DOCUMENT NO. SD-74979-010 | SHEET NO. 2 OF 2

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