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Part Number:

0749812511

Status:

Active

Overview:

vhdm__hsd

Description:

2.00mm (.079") Pitch 6-Row VHDM-HSD™ Backplane Header, Guide Pin Signal Module, Shield End Version, 100 Circuits, Pin Length 4.75mm (.187")

Documents:

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

General

Product Family

Series

Application

Application Tooling Documents

Comments

Component Type

Overview

Product Name

Style

Backplane Connectors

74981

Backplane

Tooling Manual

Keying Position A

PCB Header

vhdm__hsd

VHDM-HSD™

N/A

Physical

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Flammability

Guide to Mating Part

Keying to Mating Part

Material - Metal

100

100

Black

200

No

94V-0

Yes

Yes

Copper-Nickel-Silicon, High Performance Alloy (HPA), Stainless Steel

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Columns

Number of Pairs

Number of Rows

Orientation

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to PCB

Gold

Tin-Lead

High Temperature Thermoplastic

25

Open Pin Field

6

Vertical

No

None

0.070 In

1.80 mm

Tube

0.079 In

2.00 mm

0.079 In

2.00 mm

30

0.75

30

0.75

Yes

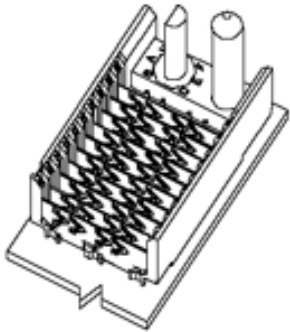


image - Reference only

Series

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

74981Series

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

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
Data Rate	5.0 Gbps
Real Signals (per 25mm)	48
Shielded	No
Voltage - Maximum	120V AC (RMS)/DC

Material Info

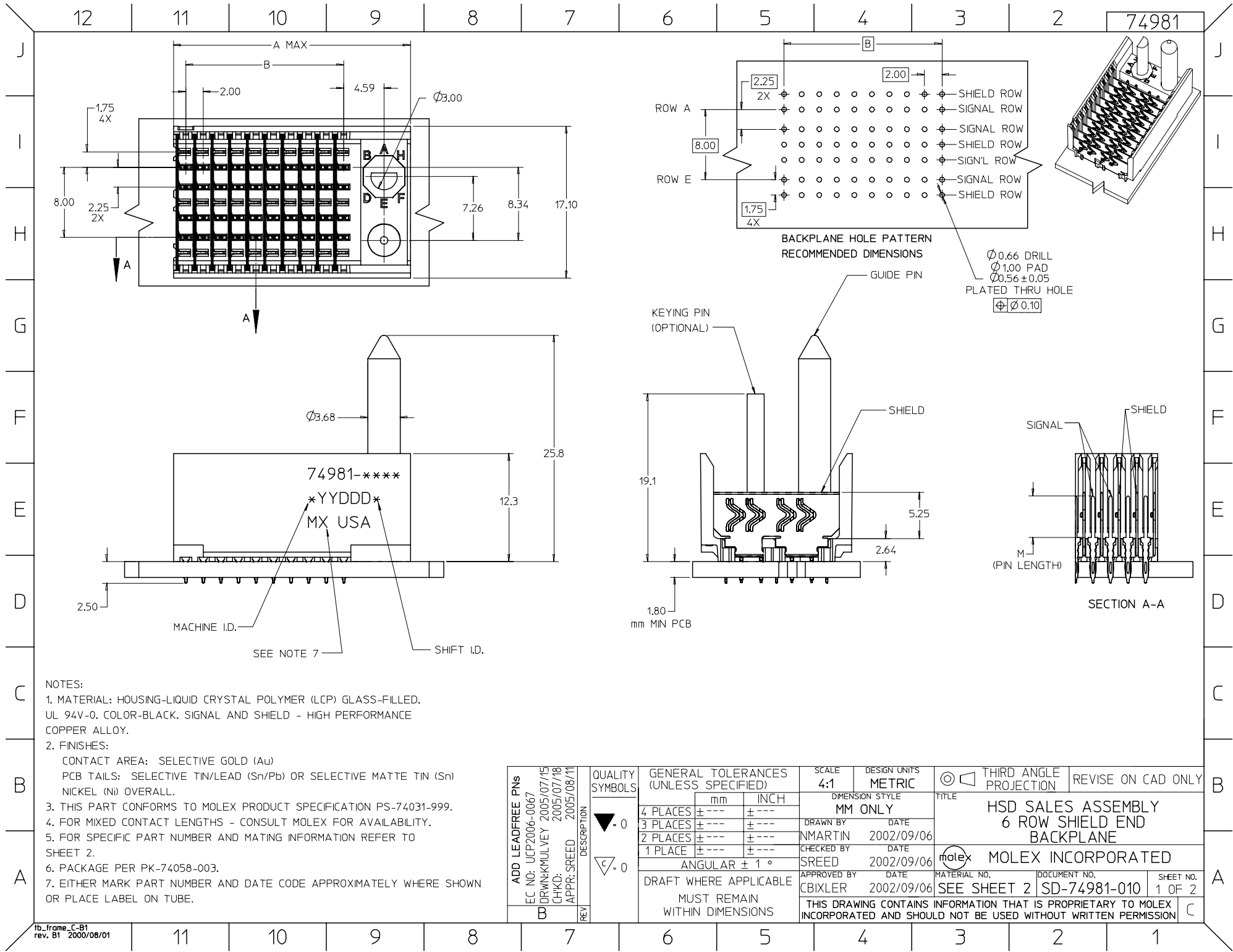
Reference - Drawing Numbers

Sales Drawing	SD-74981-010
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VHDM-HSD is a trademark of Amphenol Corporation

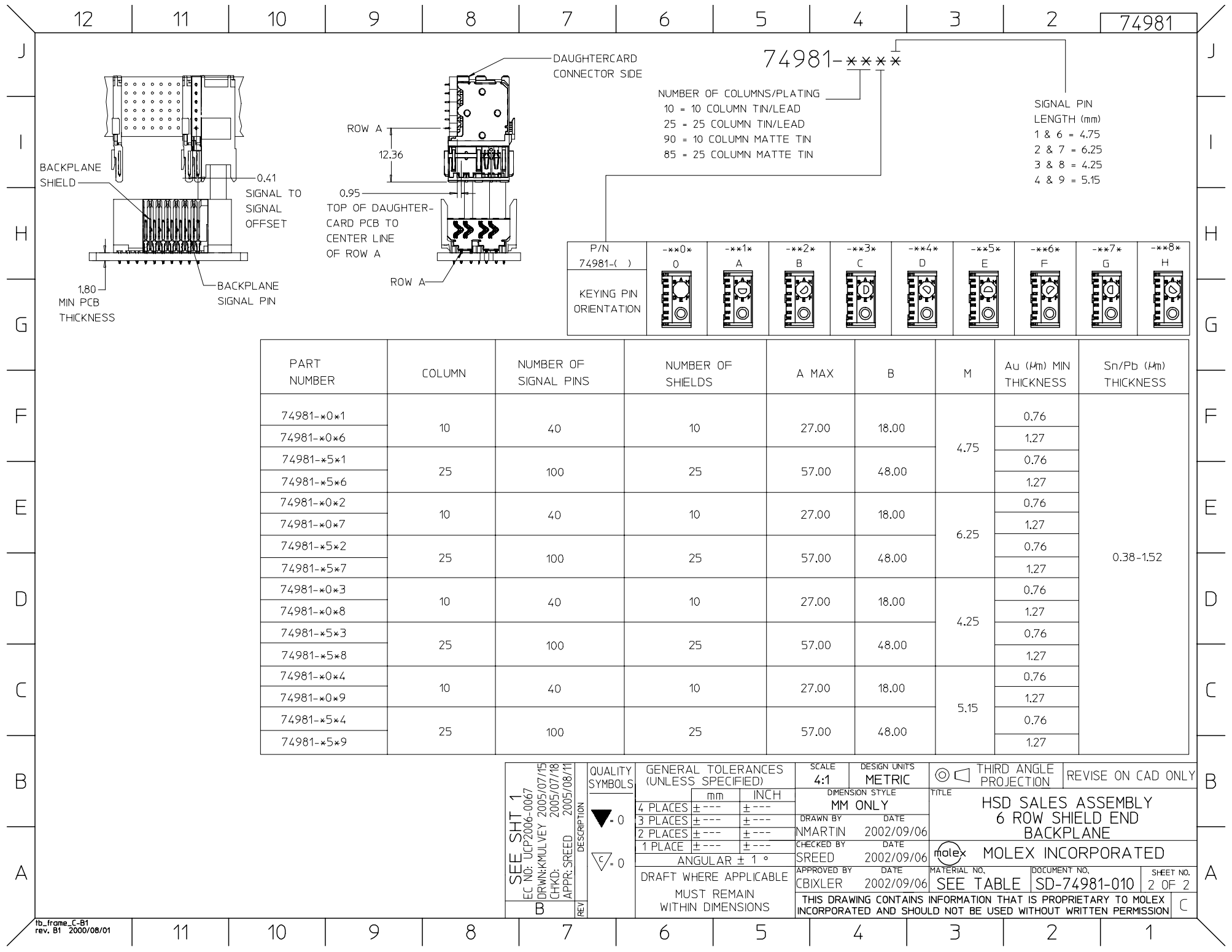
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- NOTES:
- 1. MATERIAL: HOUSING-LIQUID CRYSTAL POLYMER (LCP) GLASS-FILLED. UL 94V-0. COLOR-BLACK. SIGNAL AND SHIELD - HIGH PERFORMANCE COPPER ALLOY.
 - 2. FINISHES:
 - CONTACT AREA: SELECTIVE GOLD (Au)
 - PCB TAILS: SELECTIVE TIN/LEAD (Sn/Pb) OR SELECTIVE MATTE TIN (Sn) NICKEL (Ni) OVERALL.
 - 3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-74031-999.
 - 4. FOR MIXED CONTACT 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 DRWN:KMULVEY 2005/07/15 CHKD: 2005/07/18 APPR: SREED 2005/08/11		DESCRIPTION REV	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				
				4 PLACES	± ---	± ---	DRAWN BY DATE NMARTIN 2002/09/06				
				3 PLACES	± ---	± ---	CHECKED BY DATE SREED 2002/09/06				
B	REV			2 PLACES	± ---	± ---	APPROVED BY DATE CBIXLER 2002/09/06	 MOLEX INCORPORATED	MATERIAL NO. SEE SHEET 2	DOCUMENT NO. SD-74981-010	SHEET NO. 1 OF 2
				1 PLACE	± ---	± ---					
				ANGULAR ± 1 °							
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							



12 11 10 9 8 7 6 5 4 3 2 74981

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DAUGHTERCARD
CONNECTOR SIDE

74981-***

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

BACKPLANE
SHIELD
0.41
SIGNAL TO
SIGNAL
OFFSET
1.80
MIN PCB
THICKNESS
BACKPLANE
SIGNAL PIN

ROW A
12.36
0.95
TOP OF DAUGHTER-
CARD PCB TO
CENTER LINE
OF ROW A

ROW A

P/N 74981-()	---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
74981-*0*1	10	40	10	27.00	18.00	4.75	0.76	0.38-152
74981-*0*6							1.27	
74981-*5*1	25	100	25	57.00	48.00	4.75	0.76	
74981-*5*6							1.27	
74981-*0*2	10	40	10	27.00	18.00	6.25	0.76	
74981-*0*7							1.27	
74981-*5*2	25	100	25	57.00	48.00	6.25	0.76	
74981-*5*7							1.27	
74981-*0*3	10	40	10	27.00	18.00	4.25	0.76	
74981-*0*8							1.27	
74981-*5*3	25	100	25	57.00	48.00	4.25	0.76	
74981-*5*8							1.27	
74981-*0*4	10	40	10	27.00	18.00	5.15	0.76	
74981-*0*9							1.27	
74981-*5*4	25	100	25	57.00	48.00	5.15	0.76	
74981-*5*9							1.27	

SEE SHT 1
EC NO: UCP2006-0067
DRAWN: KMULVEY 2005/07/15
CHKO: 2005/07/18
APPR: SREED 2005/08/11

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
2002/09/06
CHECKED BY
SREED
DATE
2002/09/06
APPROVED BY
CBIXLER
DATE
2002/09/06
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

THIRD ANGLE
PROJECTION
REVISE ON CAD ONLY
TITLE
HSD SALES ASSEMBLY
6 ROW SHIELD END
BACKPLANE
MOLEX INCORPORATED
MATERIAL NO.
SEE TABLE
DOCUMENT NO.
SD-74981-010
SHEET NO.
2 OF 2

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.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- 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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