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Part Number:

0749811013

Status:

Active

Overview:

vhdm__hsd

Description:

2.00mm (.079") Pitch 6-Row VHDM-HSD™ Backplane Header, Guide Pin Signal Module, Shield End Version, 40 Circuits, Pin Length 4.25mm (.167")

Documents:

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Backplane Connectors

Series

74981

Application

Backplane

Application Tooling Documents

Tooling Manual

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 Locator

No

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

Pitch - Term. Interface (in)

0.079 In

Pitch - Term. 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

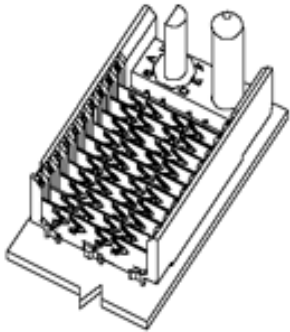


image - Reference only

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 10 Wide, 20.00mm (.787")	0622020216

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

Material Info

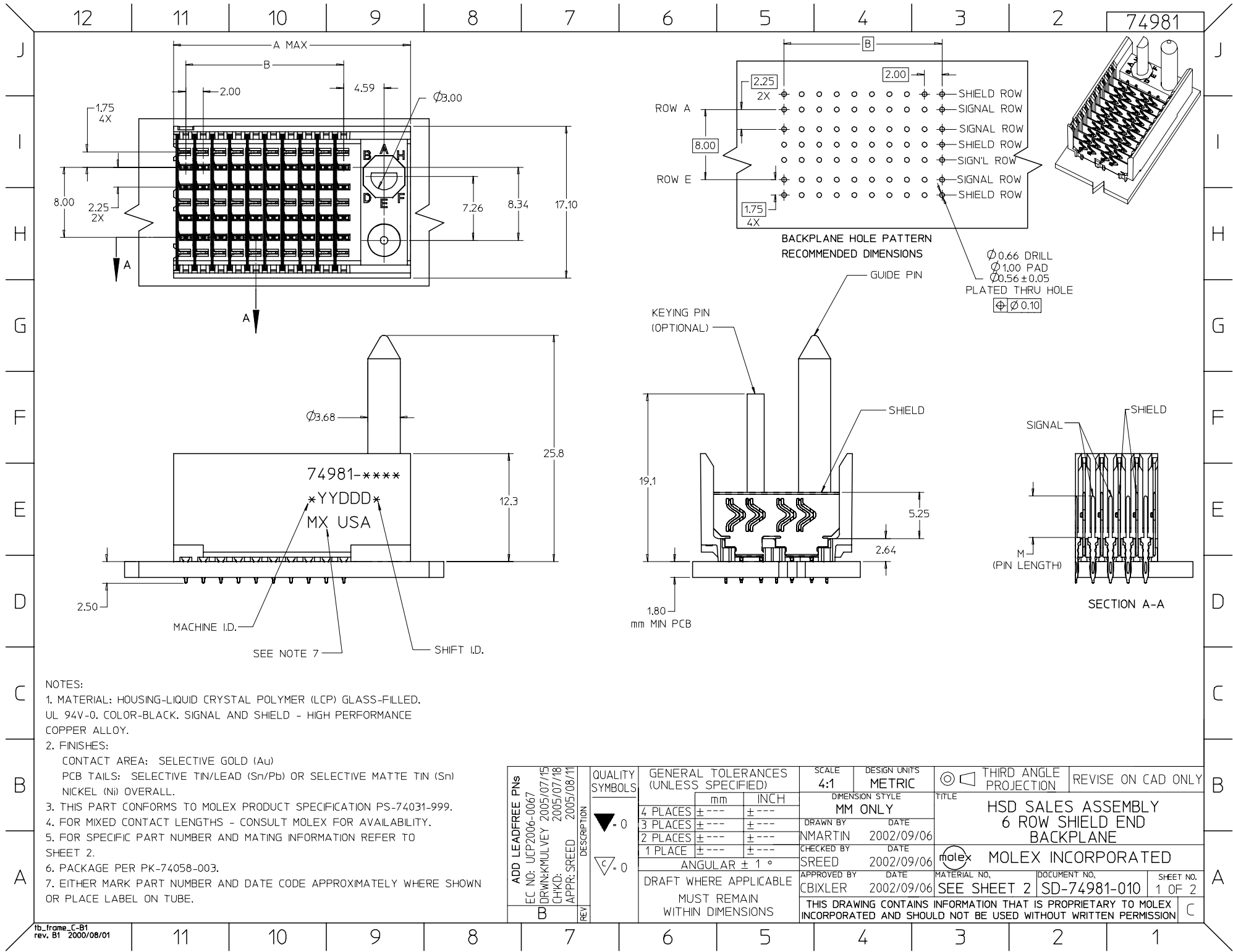
Reference - Drawing Numbers

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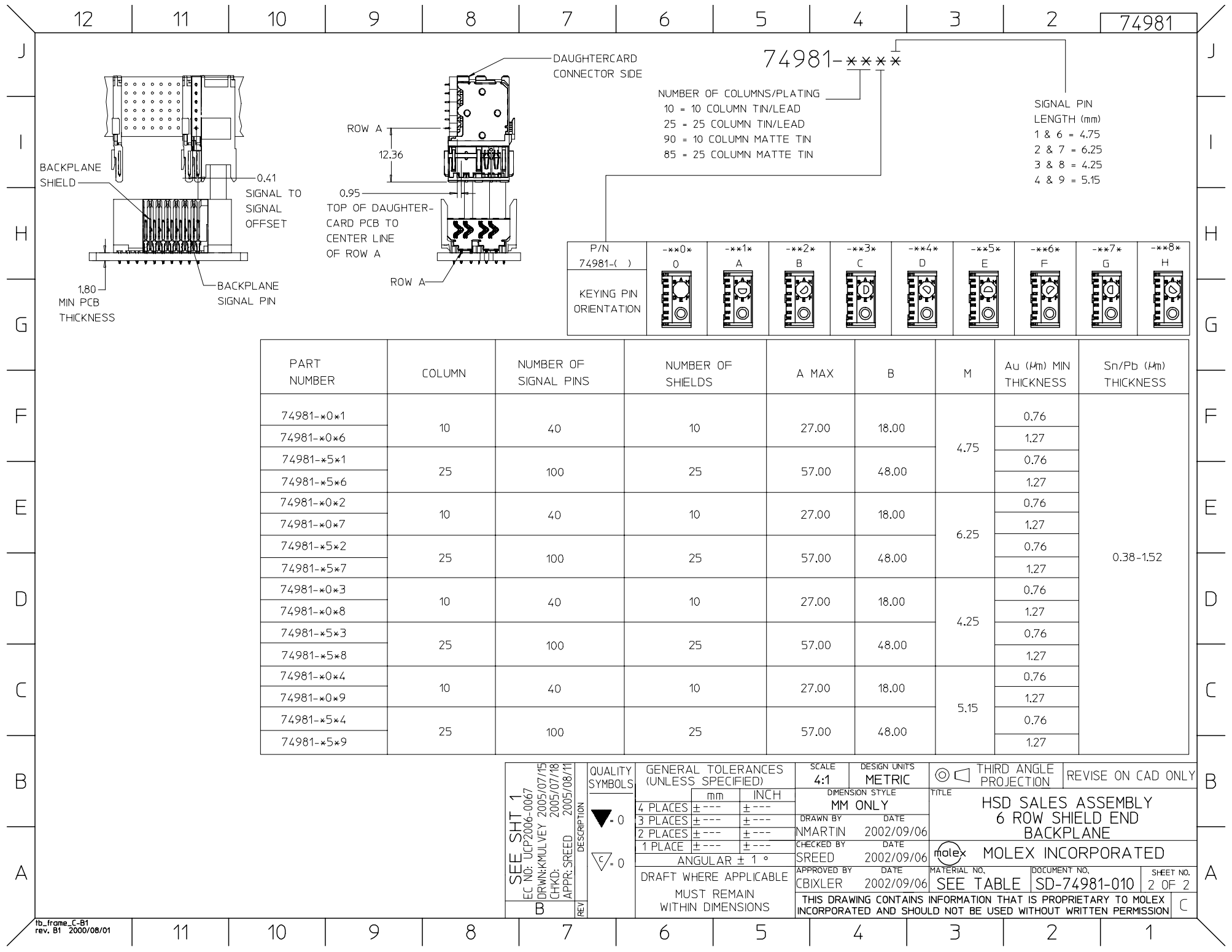
VHDM-HSD is a trademark of Amphenol Corporation

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ADD LEADFREE PNs		DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY
EC NO: UCP2006-0067						4:1	METRIC			
DRWN: KMULVEY 2005/07/15						DIMENSION STYLE		TITLE		
CHKD: 2005/07/18						MM ONLY		HSD SALES ASSEMBLY		
APPR: SREED 2005/08/11						DRAWN BY DATE		6 ROW SHIELD END		
						NMARTIN 2002/09/06		BACKPLANE		
						CHECKED BY DATE		MOLEX MOLEX INCORPORATED		
						SREED 2002/09/06				
						APPROVED BY DATE		MATERIAL NO. DOCUMENT NO. SHEET NO.		
						CBIXLER 2002/09/06		SEE SHEET 2 SD-74981-010 1 OF 2		
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		C		



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)		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
				DIMENSION STYLE MM ONLY		TITLE	
				DRAWN BY DATE NMARTIN 2002/09/06		HSD SALES ASSEMBLY 6 ROW SHIELD END BACKPLANE	
				CHECKED BY DATE SREED 2002/09/06		MOLEX INCORPORATED	
		ANGULAR ± 1 °		APPROVED BY DATE CBIXLER 2002/09/06		MATERIAL NO. SEE TABLE	
		DRAFT WHERE APPLICABLE				DOCUMENT NO. SD-74981-010	
		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					



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- 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;
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- 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.);

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- 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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