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Part Number:

0877131006

Status:

Active

Description:

1.27mm (.050") Pitch Serial ATA Host Receptacle, Surface Mount, Vertical, Standard Height, with 1.05mm (.041") Plastic Locating Peg, 0.76µm (30µ") Gold (Au) Selective Plating, with Kapton Tape, Tape on Reel Packaging, 22 Circuits, Leadfree

Documents:

3D Model

Drawing (PDF)

Product Specification PS-87713-016 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Comments

Product Name

PCB Receptacles

87713

Board-to-Board

1.05mm (.041") Plastic Locating Peg

Serial ATA

Physical

Circuits (Loaded)

Circuits Detail

Durability (mating cycles max)

Glow-Wire Compliant

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

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)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Polarized to PCB

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

22

Power 15 pins|Signal 7 pins

500

No

Yes

Copper Alloy

Gold

Tin

High Temperature Thermoplastic

1

Vertical

Yes

None

0.062 In

1.60 mm

Tray

0.050 In

1.27 mm

30

0.76

100

2.54

Yes

Yes

N/A

-40°C to +105°C

Surface Mount

Electrical

Current - Maximum per Contact

Voltage - Maximum

1.5A

30V

Solder Process Data

Duration at Max. Process Temperature (seconds)

Lead-free Process Capability

Max. Cycles at Max. Process Temperature

Process Temperature max. C

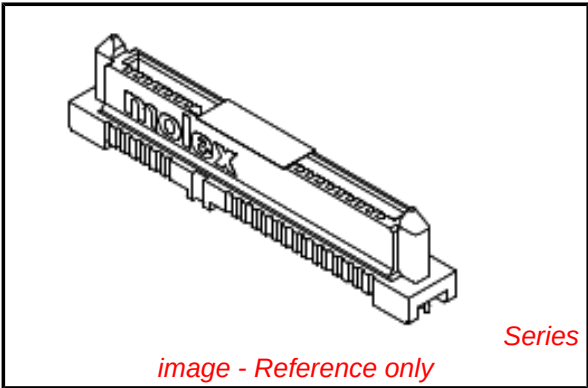
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Reflow Capable (SMT only)

1

260

Material Info



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

China RoHS



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

87713Series

Mates With

87679 , 87799 , 87703

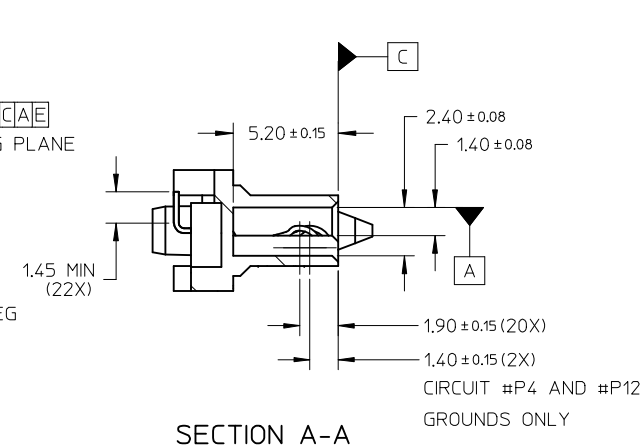
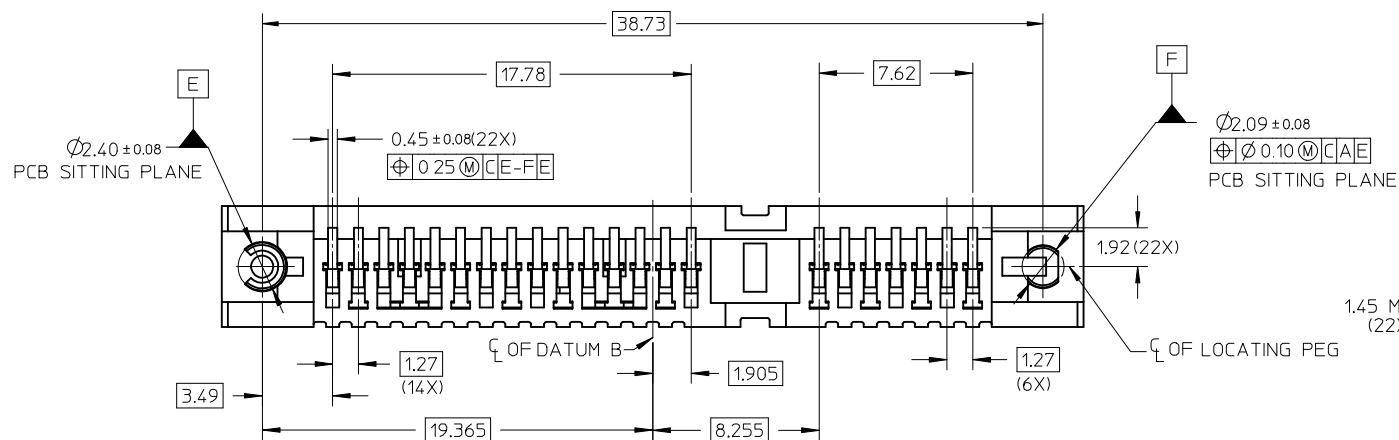
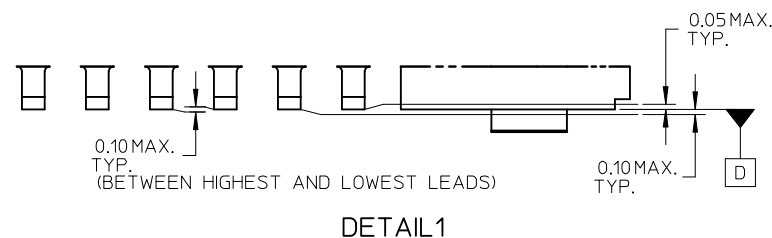
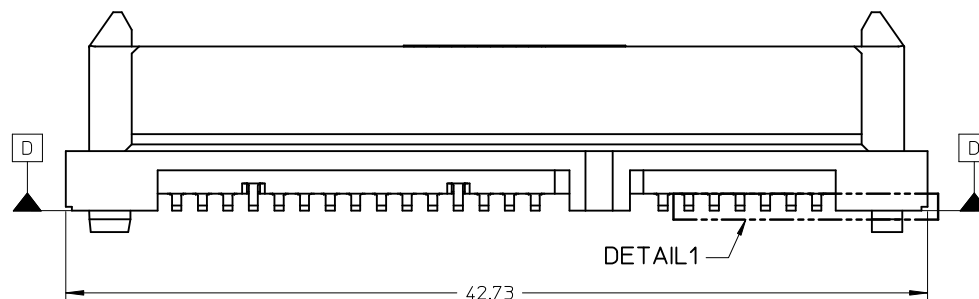
Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-87713-016
SD-87713-029

This document was generated on 03/29/2010

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NEW KAPTON TAPE EC NO: S2009-0322 DRWN:KHLIM CHKD:CGOH APPR:BOKOK B3	2008/12/04 2008/12/04 2008/12/05	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
mm		INCH		DRAWN BY KHLIM		DATE 2005/03/07		TITLE SERIAL ATA BACKPLANE SIL WITH 1.05 PEGS STD HEIGHT, RECEPT., SMT MOLEX MOLEX INCORPORATED		
4 PLACES ± --- ± ---		CHECKED BY KCLING		DATE 2005/04/14						
3 PLACES ± --- ± ---		APPROVED BY SKTOH		DATE 2005/04/14						
2 PLACES ± 0.20 ± ---		MATERIAL NO.		DOCUMENT NO.						
1 PLACE ± --- ± ---		SIZE A3		SHEET NO. 2 OF 5						
ANGULAR ± 3 °				SEE TABLE		SD-87713-029				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

10 9 8 7 6 5 4 3 2 1

F

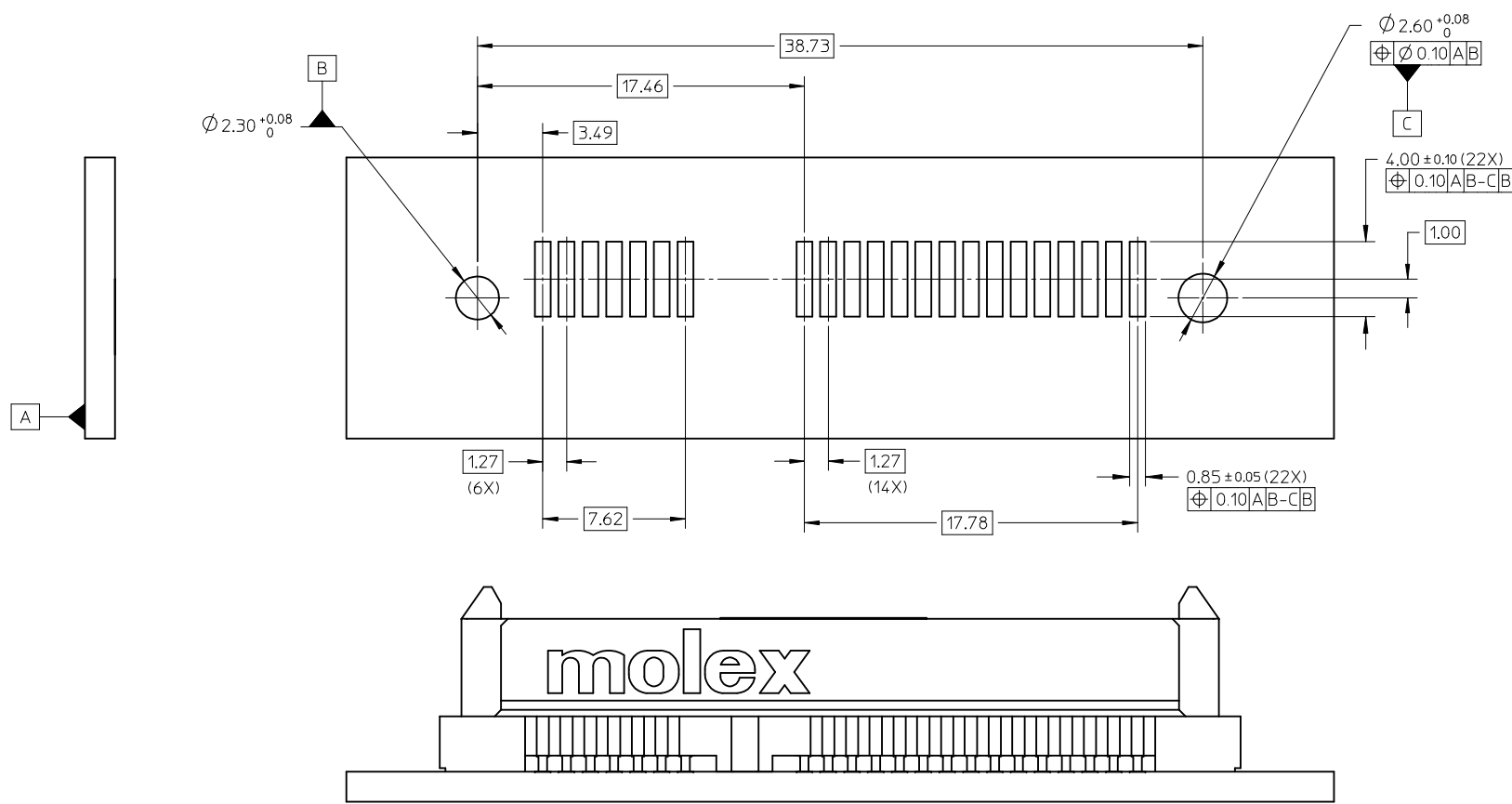
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D

C

B

A



PCB THICKNESS: 1.60±0.10 mm
RECOMMENDED PCB LAYOUT

NEW KAPTON TAPE EC NO: S2009-0322 DRWN:KHLIM CHKD:CGOH APPR:BOKOK		2008/12/04 2008/12/04 2008/12/05	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
						mm	INCH	DRAWN BY KHLIM	DATE 2005/03/07	TITLE SERIAL ATA BACKPLANE SIL WITH 1.05 PEGS STD HEIGHT, RECEPT., SMT				
					4 PLACES	± ---	± ---	CHECKED BY KCLING	DATE 2005/04/14					
					3 PLACES	± ---	± ---	APPROVED BY SKTOH	DATE 2005/04/14	molex		MOLEX INCORPORATED		
					ANGULAR ± 3 °			MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87713-029		SHEET NO. 3 OF 5		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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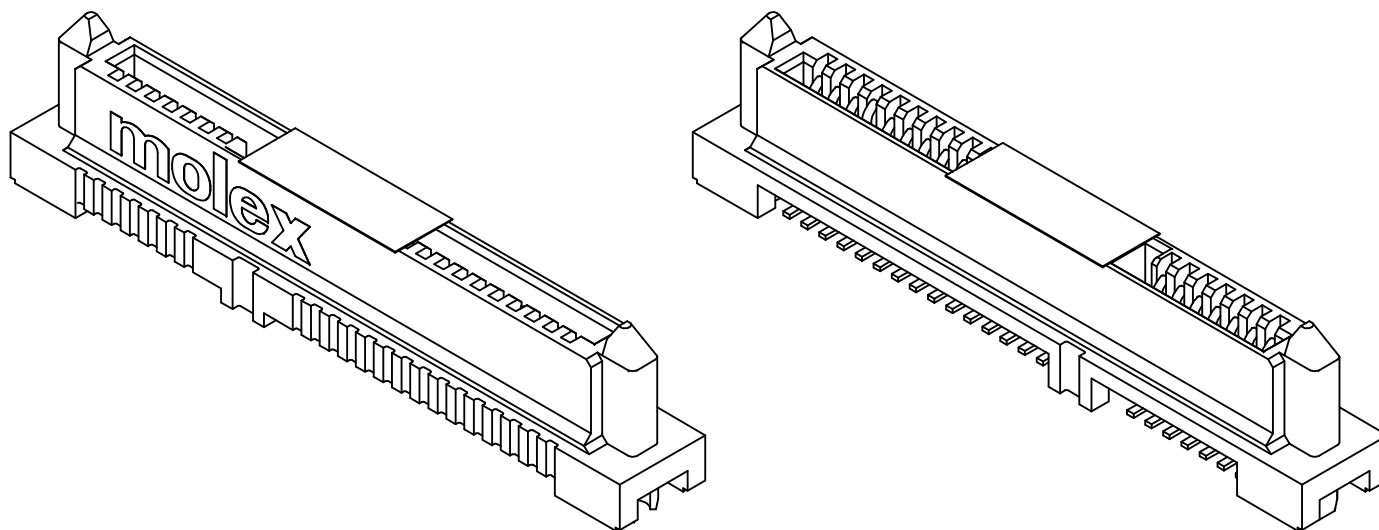
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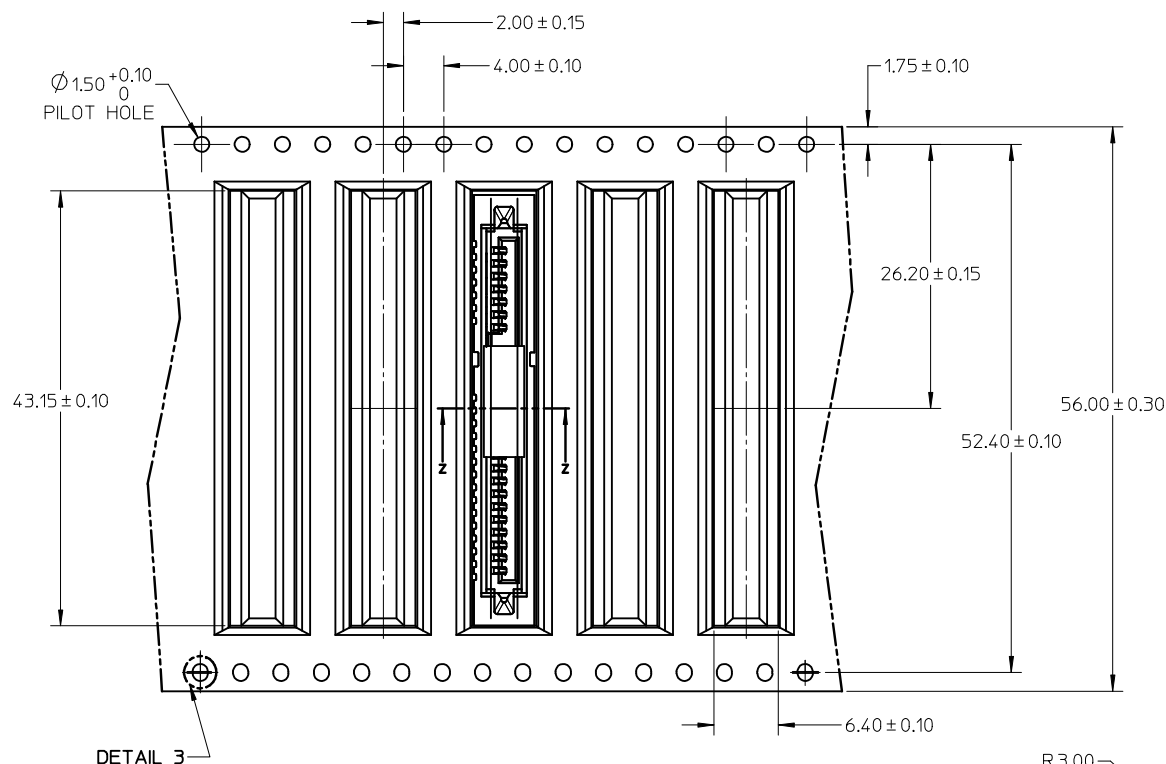
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NEW KAPTON TAPE EC NO: S2009-0322 2008/12/04 DRWN:KHLIM CHKD:CGOH 2008/12/04 APPR:BOKOK 2008/12/05		DESCRIPTION REV		QUALITY SYMBOLS =0 =0		GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- ANGULAR ± 3 °		DIMENSION STYLE MM ONLY DRAWN BY DATE KHLIM 2005/03/07 CHECKED BY DATE KCLING 2005/04/14 APPROVED BY DATE SKTOH 2005/04/14 MATERIAL NO.		SCALE NTS		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION		TITLE SERIAL ATA BACKPLANE SIL WITH 1.05 PEGS STD HEIGHT, RECEPT., SMT MOLEX INCORPORATED		DOCUMENT NO. SD-87713-029		SHEET NO. 4 OF 5	
B3						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											

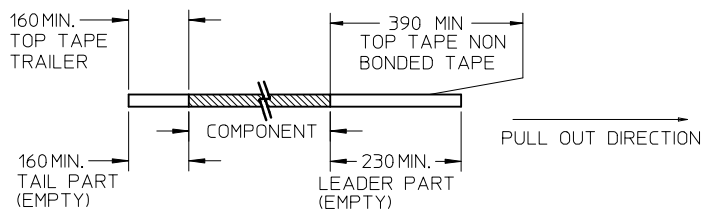
9 8 7 6 5 4 3 2 1

TAPE AND REEL PACKAGING

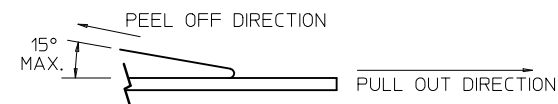


NOTES:

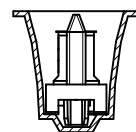
1. LEADER AND TRAILER TAPE



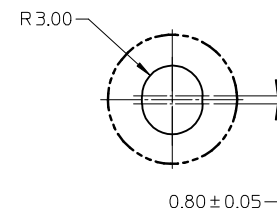
2. PEELING OFF FORCE OF THE TOP TAPE: 80gf MAX. (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



- TAPE AND REEL SPECIFICATION IS AS PER EIA-481.
- TAPE AND REEL QUANTITY : 400 PCS/ REEL.
- THE TAPE IS TREATED FOR ANTI-STATIC.



SECTION Z-Z



DETAIL 3

NEW KAPTON TAPE EC NO: S2009-0322 DRWN:KHLIM CHKD:CGOH APPR:BOKOK 2008/12/04 2008/12/04 2008/12/05	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
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			3 PLACES	± ---	± ---	APPROVED BY SKTOH		DATE 2005/04/14	molex MOLEX INCORPORATED				
			2 PLACES	± 0.20	± ---			DATE 2005/04/14					
			1 PLACE	± ---	± ---	MATERIAL NO.		DOCUMENT NO.					
			ANGULAR ± 3 °			SEE TABLE		SD-87713-029					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
					SHEET NO. 5 OF 5								

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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