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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

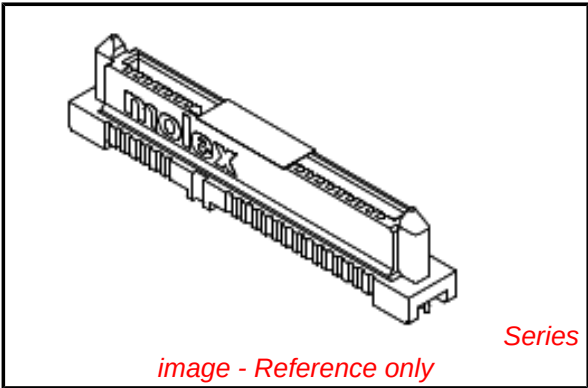
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Reflow Capable (SMT only)

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

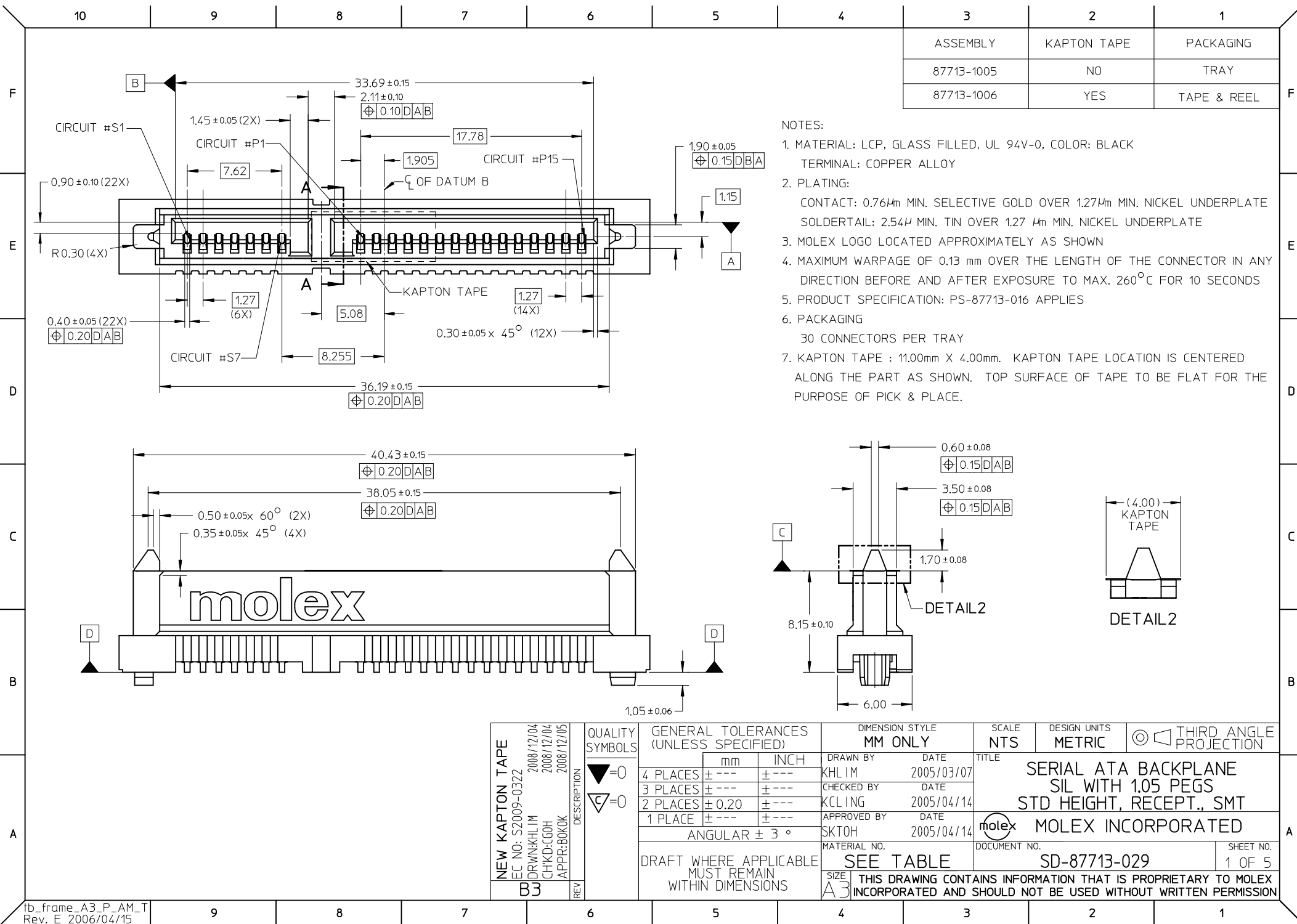
Reference - Drawing Numbers

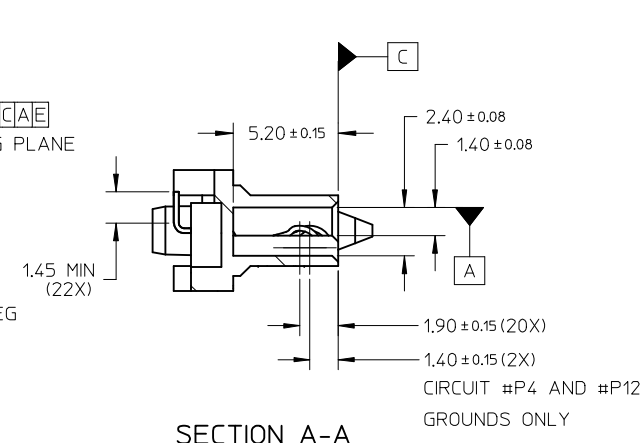
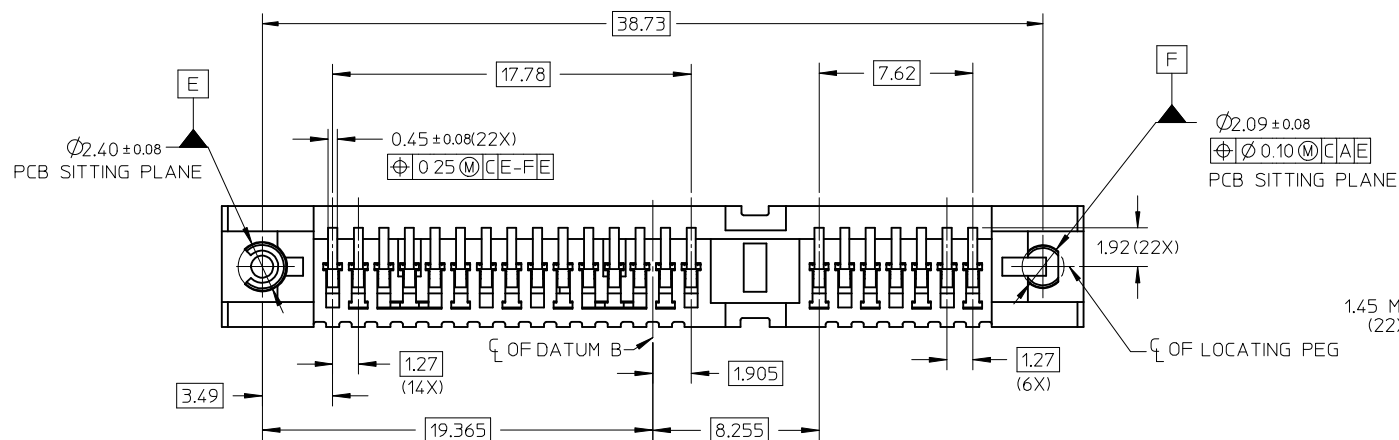
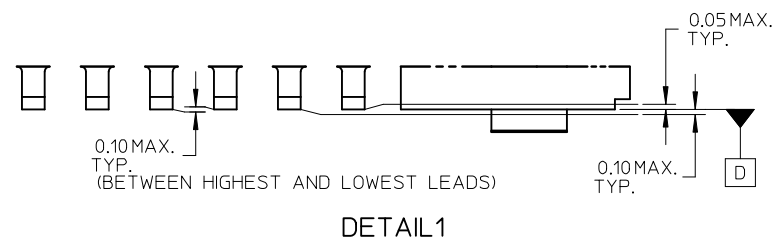
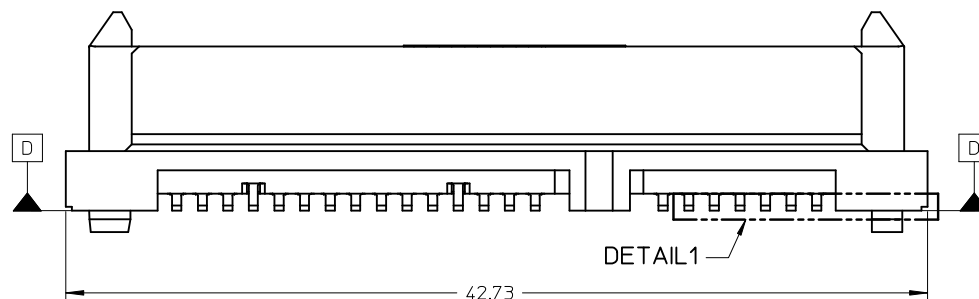
Product Specification
Sales Drawing

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		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
B3					mm INCH	DRAWN BY DATE	TITLE SERIAL ATA BACKPLANE SIL WITH 1.05 PEGS STD HEIGHT, RECEPT., SMT	MOLEX MOLEX INCORPORATED		SHEET NO. 2 OF 5	
					4 PLACES 3 PLACES 2 PLACES 1 PLACE	± --- ± --- ± 0.20 ± ---	± --- ± --- ± --- ± ---				KHLIM CCLING APPROVED BY SKTOH
					ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87713-029		
					SIZE A3		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

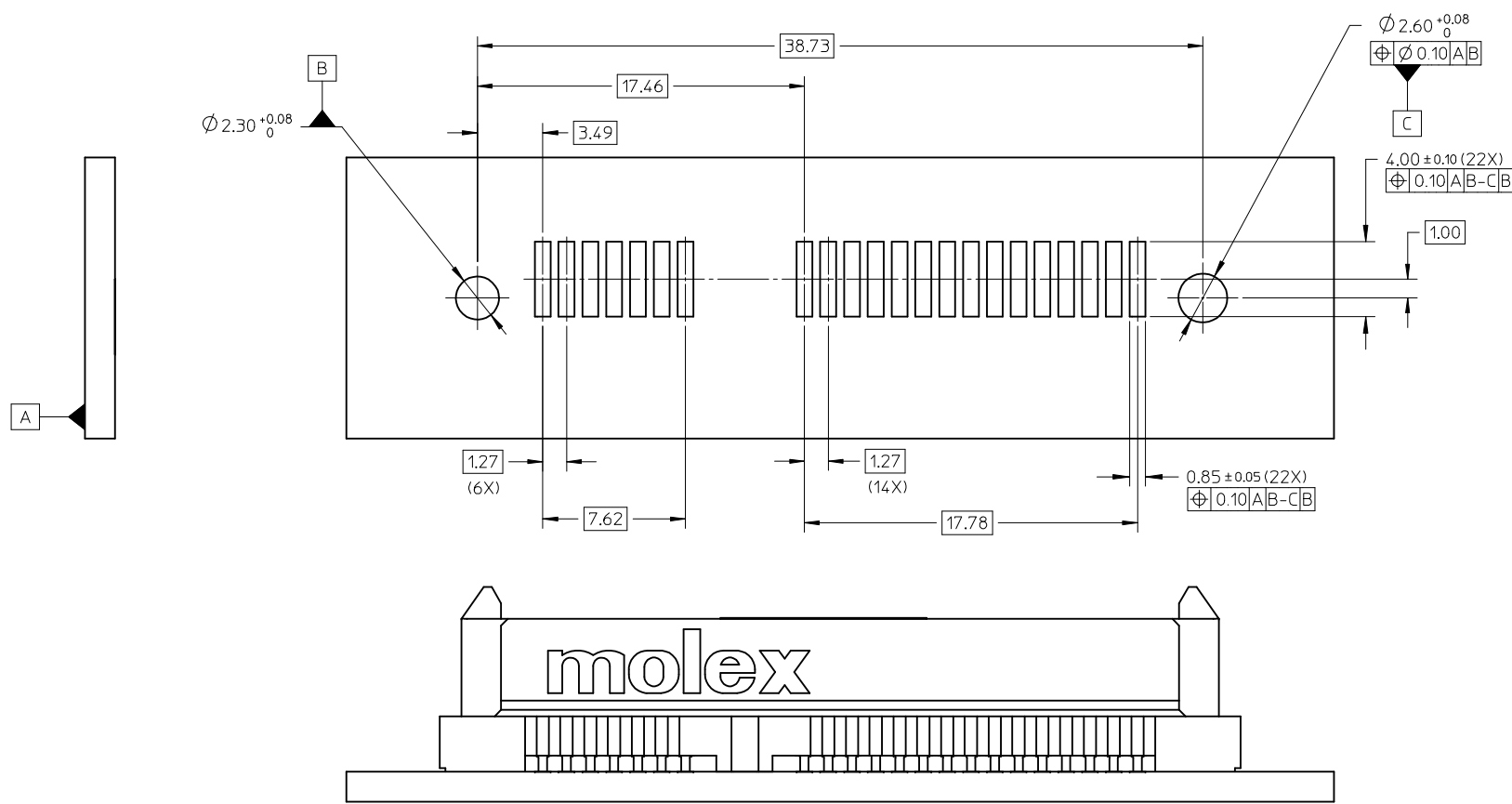
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D

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 REV B3		DESCRIPTION REV B3	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 INCORPORATED				
				2 PLACES	± 0.20	± ---	MATERIAL NO. SEE TABLE						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			ANGULAR ± 3 °		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

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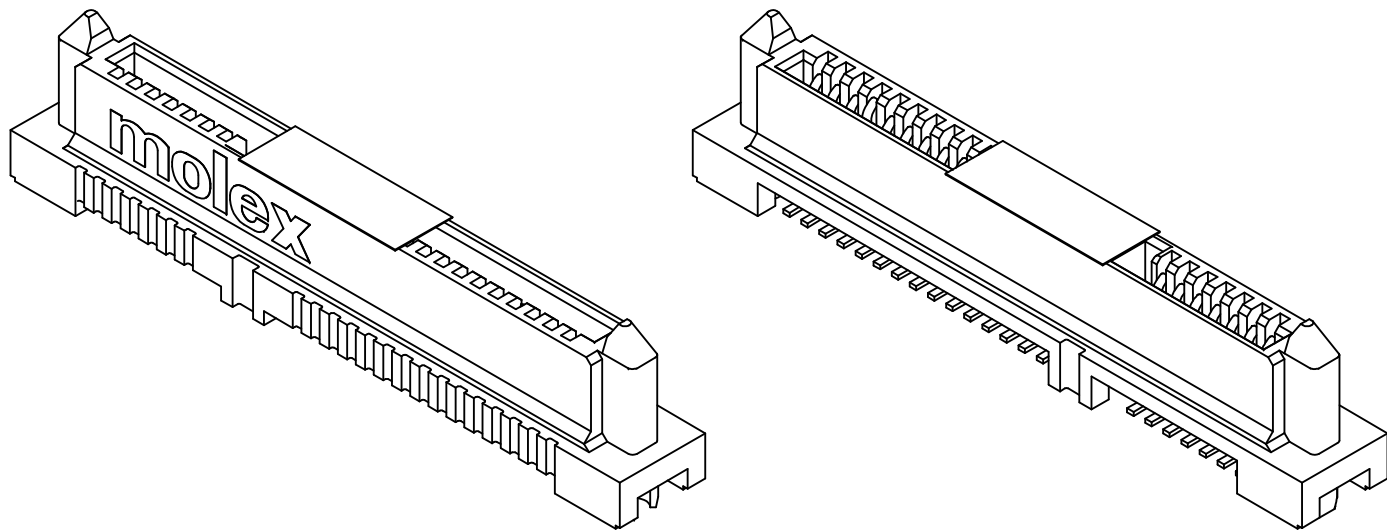
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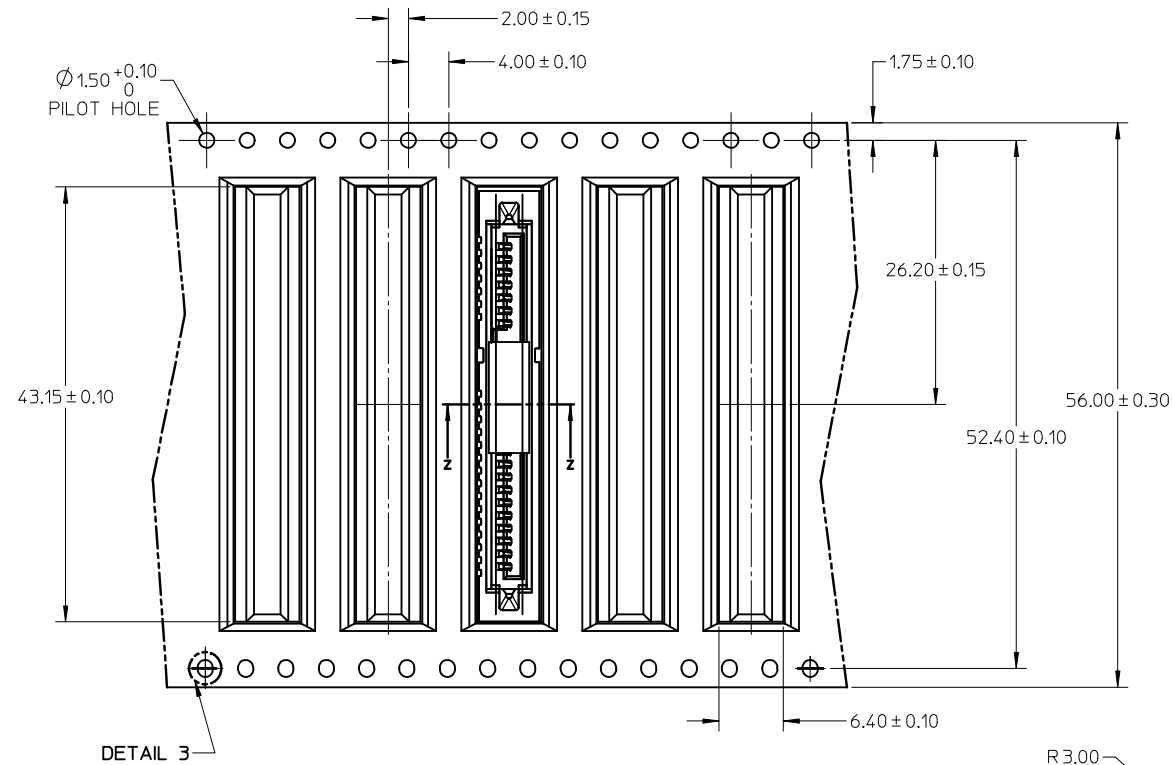
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NEW KAPTON TAPE EC NO: S2009-0322 2008/12/04 DRWN:KHLIM CHKD:CGOH 2008/12/04 APPR:BOKOK 2008/12/05			DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION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

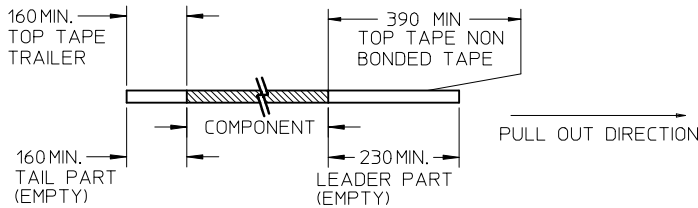
9 8 7 6 5 4 3 2 1

TAPE AND REEL PACKAGING

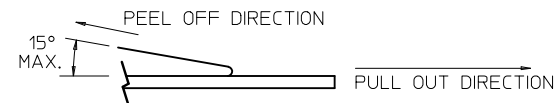


NOTES:

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.

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

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- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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JONHON

«JONHON» (основан в 1970 г.)

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«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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