

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0678005012

Status:

Active

Overview:

serial_ata_products

Description:

1.27mm (.050") Pitch Serial ATA High Speed Header, Vertical, Surface Mount, with Locking Latch, 7 Circuits, 0.76µm (30µ") Gold (Au) Plating, for 1.60mm (.063") PCB, with PCB Locator Pegs, Lead-free

Documents:

3D Model

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR 19980

UL

E29179

General

Product Family

PCB Headers

Series

67800

Application

Board-to-Board, Wire-to-Board

Comments

Staggered Solder Pin|Metal Post Length 3.05mm (.120")

Overview

serial_ata_products

Product Name

Serial ATA

Physical

Breakaway

No

Circuits (Loaded)

7

Circuits (maximum)

7

Color - Resin

Black

Durability (mating cycles max)

50

First Mate / Last Break

Yes

Flammability

94V-0

Glow-Wire Compliant

No

Guide to Mating Part

No

Keying to Mating Part

Yes

Lock to Mating Part

Yes

Material - Metal

Brass

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Material - Resin

High Temperature Thermoplastic

Number of Rows

1

Orientation

Vertical

PCB Locator

Yes

PCB Retention

Yes

Packaging Type

Tray

Pitch - Mating Interface (in)

0.050 In

Pitch - Mating Interface (mm)

1.27 mm

Pitch - Term. Interface (in)

0.050 In

Pitch - Term. Interface (mm)

1.27 mm

Plating min: Mating (µin)

30

Plating min: Mating (µm)

0.76

Plating min: Termination (µin)

75

Plating min: Termination (µm)

1.9

Polarized to Mating Part

Yes

Polarized to PCB

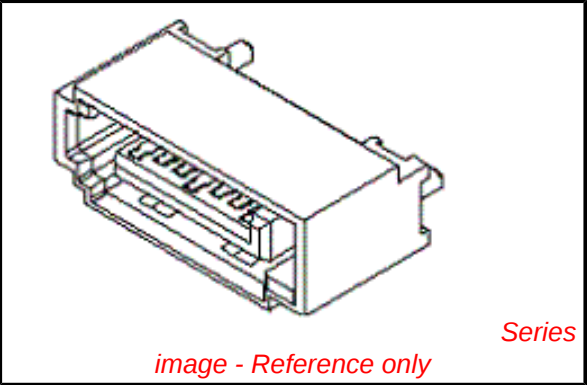
Yes

Shrouded

Fully

Stackable

No



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed



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

67800Series

Temperature Range - Operating	-35°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	1.5A
Voltage - Maximum	15V DC

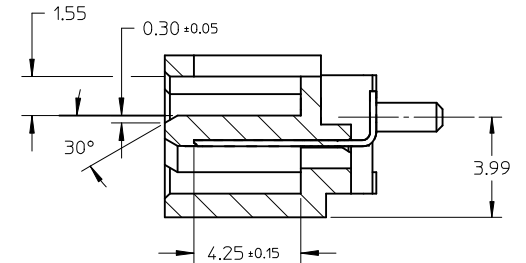
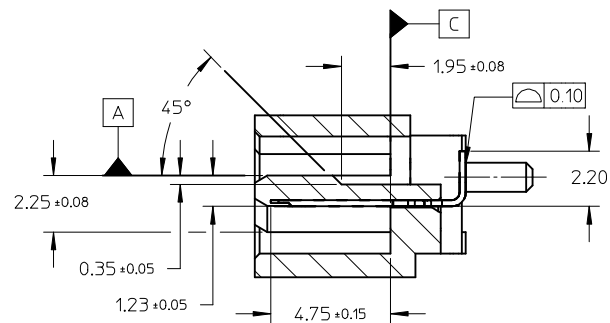
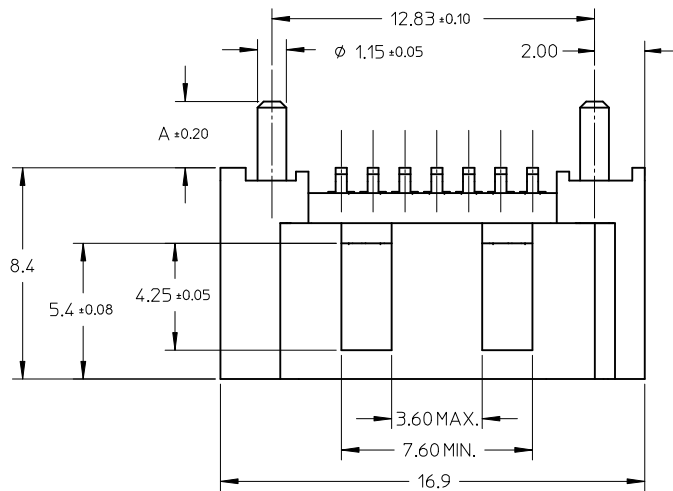
Material Info

Reference - Drawing Numbers

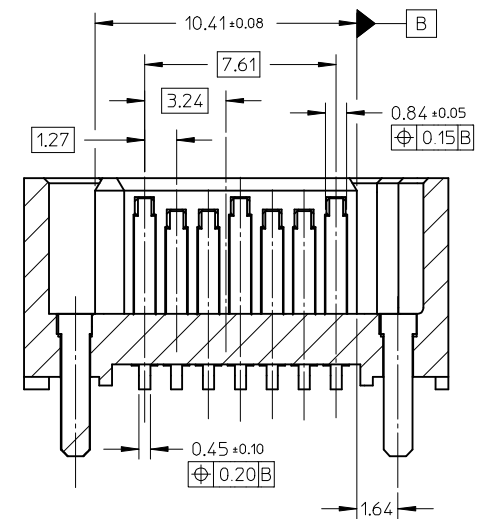
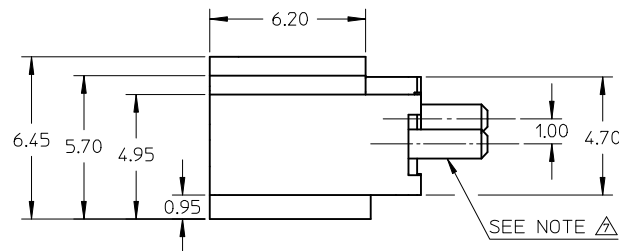
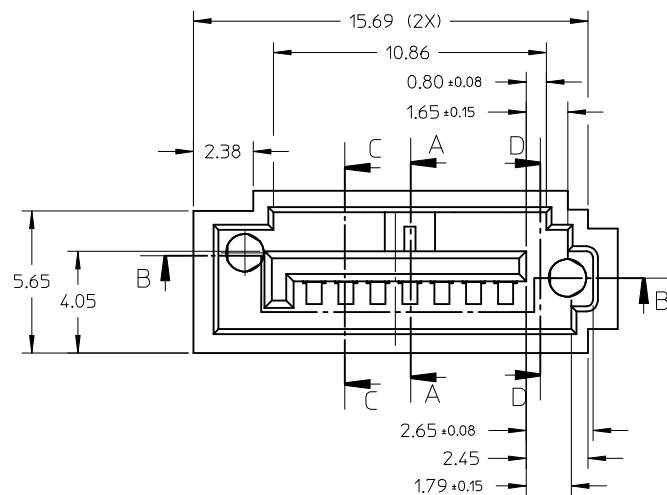
Packaging Specification	PK-67800-001
Sales Drawing	SD-67800-005

This document was generated on 05/26/2010

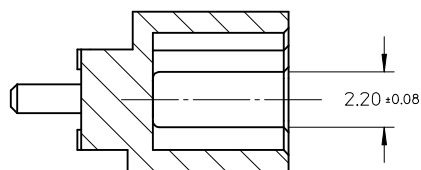
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SECTION C-C



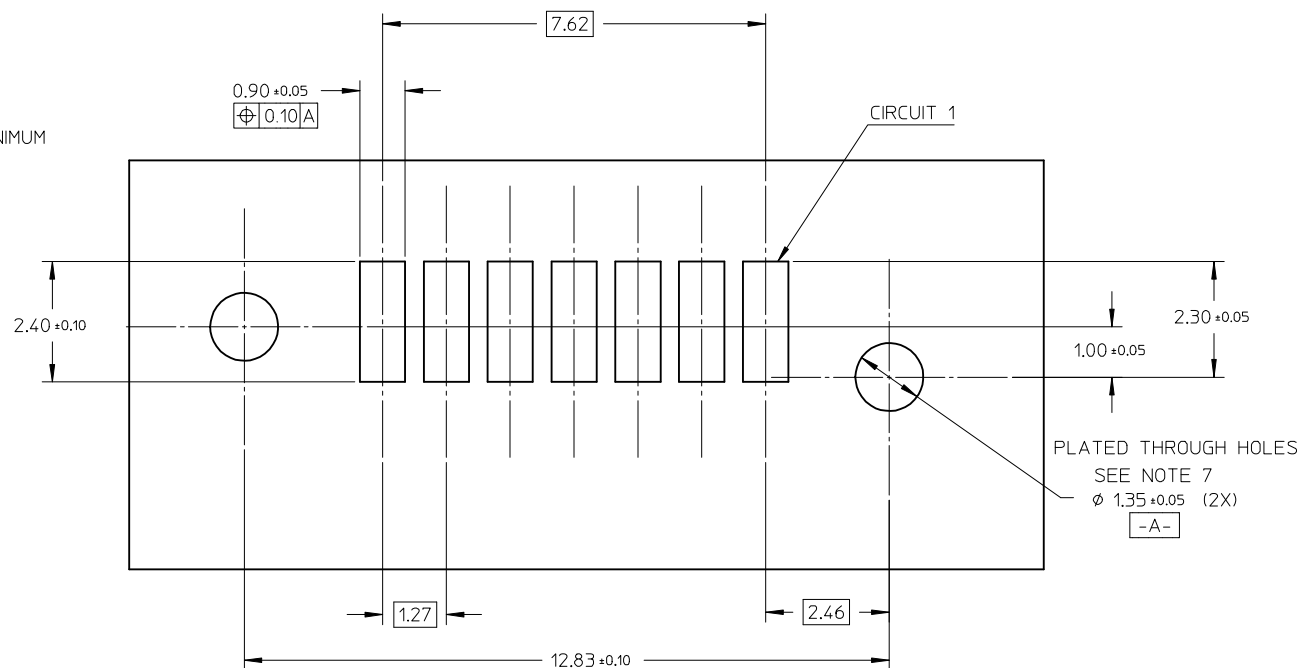
SECTION B-B



SECTION D-D

REVISED EC NO: SH2010-0043 TDRW:GLLI CHKD:XJONG APPR:RZHANG	2009/08/07 2009/08/10 2009/09/13	DESCRIPTION	QUALITY SYMBOLS ▽=0 C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
					mm	INCH	DRAWN BY GRATE MA		DATE 2004/02/02	TITLE HIGH SPEED CONNECTOR 1.27MM PITCH VERTICAL SMT SOLDER TAIL			
				4 PLACES	± ---	± ---	CHECKED BY YAJUN		DATE 2004/02/02				
				3 PLACES	± ---	± ---	APPROVED BY SAM		DATE 2004/02/02	MOLEX INCORPORATED			
				2 PLACES	± 0.15	± ---	MATERIAL NO.		DOCUMENT NO.				
				1 PLACE	± 0.25	± ---	SEE SHEET 2		SHEET NO. 1 OF 2				
ANGULAR ± 1 °		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							

△ METAL POSTS TO BE SOLDERED TO PCB



678005025	SEE NOTE2(c)	BLACK	3.45	PURE TIN
678005022	SEE NOTE2(b)			
678005021	SEE NOTE2(a)			
678005015	SEE NOTE2(c)	BLACK	3.05	
678005012	SEE NOTE2(b)			
678005011	SEE NOTE2(a)			
678005005	SEE NOTE2(c)	BLACK	2.65	
678005004	SEE NOTE2(c)	YELLOW		
678005003	SEE NOTE2(c)	BLUE		
678005002	SEE NOTE2(b)	BLACK		
678005001	SEE NOTE2(a)			
MATERIAL NO	PLATING TYPE	HOUSING COLOR	DIM A	REMARK

REVISED EC NO: SH2010-0043	2009/08/07 2009/08/10 2009/09/13	DRAWN:GLL CHKD:XJONG APPR:RZHANG	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
					mmINCH		DRAWN BYDATE		TITLE HIGH SPEED CONNECTOR 1.27MM PITCH VERTICAL SMT SOLDER TAIL			
					4 PLACES ± --- ± ---		GRATE MA2004/02/02					
					3 PLACES ± --- ± ---		CHECKED BYDATE					
					2 PLACES ± 0.15 ± ---		YAJUN2004/02/02					
1 PLACE ± 0.25 ± ---		APPROVED BYDATE		MOLEX MOLEX INCORPORATED								
ANGULAR ± 1 °		SAM2004/02/02										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
					SEE CHART		SD-67800-005		2 OF 2			
SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												

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С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

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- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

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- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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