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Part Number:

0678005015

Status:

Active

Overview:

serial_ata_products

Description:

1.27mm (.050") Pitch Serial ATA High Speed Header, Vertical, Surface Mount, with Locking Latch, 7 Circuits, 0.38µm (15µ") Gold (Au) Plating, for 1.60mm (.063") PCB, with PCB Locator Pegs, Lead-free

Documents:

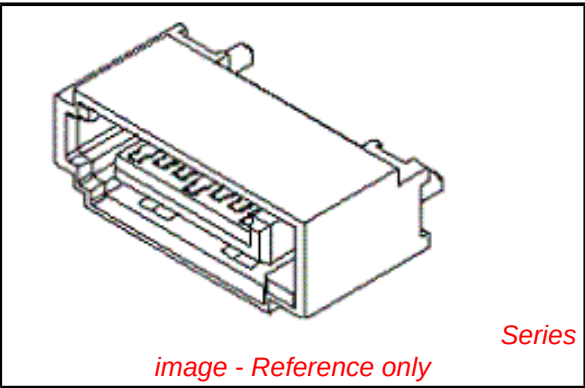
3D Model

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)	15
Plating min: Mating (µm)	0.38
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

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

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

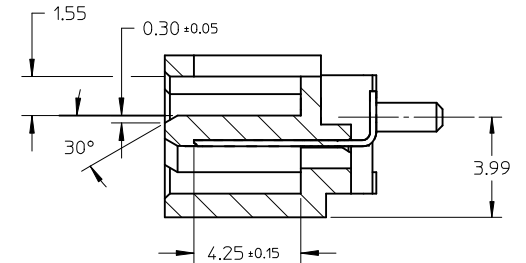
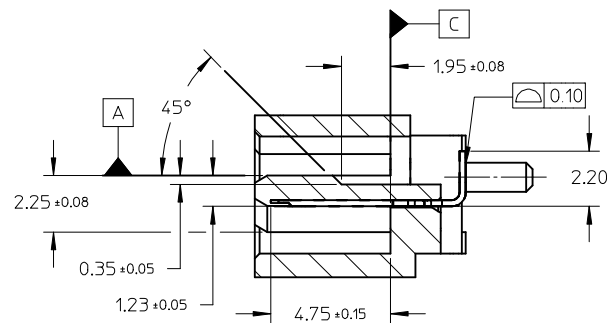
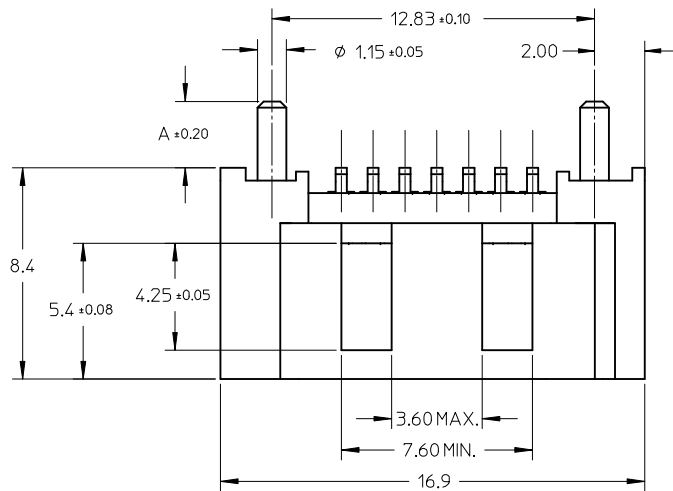
Material Info

Reference - Drawing Numbers

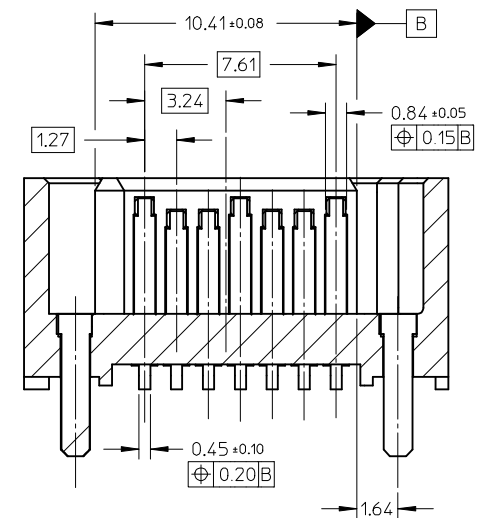
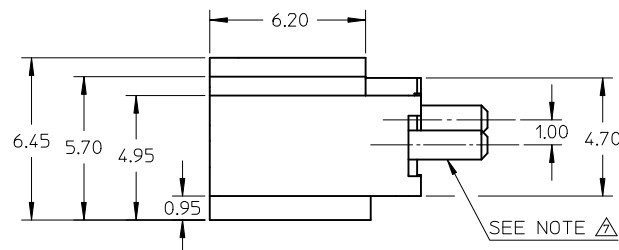
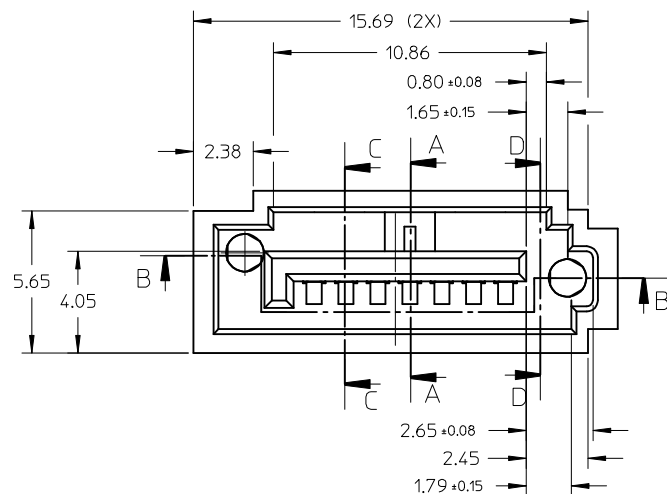
Packaging Specification	PK-67800-001
Sales Drawing	SD-67800-005

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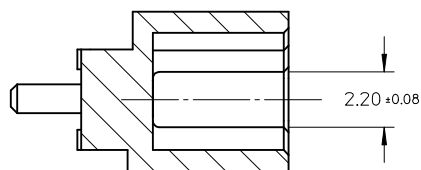
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SECTION C-C



SECTION B-B



SECTION D-D

REVISED	EC NO: SH2010-0043	2009/08/07 2009/08/10 2009/09/13	DRW:GILLI CHKD:XJONG APPR:RZHANG	DESCRIPTION	REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
						 =0  =0			MM ONLY		5:1	METRIC			
								mm	INCH	DRAWN BY	DATE	TITLE	HIGH SPEED CONNECTOR 1.27MM PITCH VERTICAL SMT SOLDER TAIL		
							4 PLACES	± ---	± ---	GRATE MA	2004/02/02				
							3 PLACES	± ---	± ---	CHECKED BY	DATE				
							2 PLACES	± 0.15	± ---	YA JUN	2004/02/02				
						1 PLACE	± 0.25	± ---	APPROVED BY	DATE		MOLEX INCORPORATED			
						ANGULAR ± 1 °		SAM	2004/02/02						
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
		SEE SHEET 2		SD-67800-005		1 OF 2									
		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											

NOTES:

1. MATERIAL:

HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, GLASS FILLED,
UL94V-0, COLOR: REFER TO CHART.
TERMINAL: BRASS
POST: BRASS

2. TERMINAL PLATING:

CONTACT AREA: (a) GOLD FLASH
(b) GOLD, THICKNESS=0.76 MICRON MINIMUM
(c) GOLD, THICKNESS=0.38 MICRON MINIMUM

SOLDER TAIL: TIN, THICKNESS=1.27 MICRON MINIMUM
UNDER PLATE: NICKEL PLATED, THICKNESS=1.27 MICRON MINIMUM

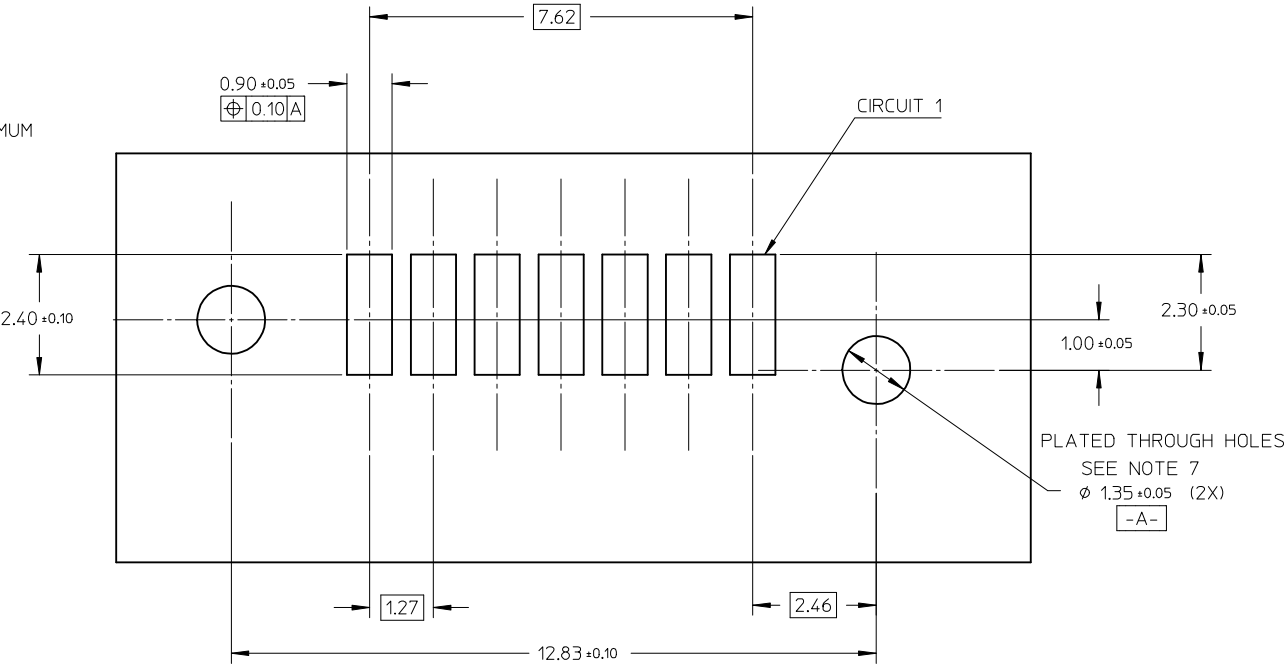
3. POST PLATING: UNDER PLATE: NICKEL, THICKNESS=1.25 MICRON MINIMUM
TIN, THICKNESS=1.9 MICRON MINIMUM OVER ALL

4. PACKAGING: PK-67800-001

5. PRODUCT SPECIFICATION REFER TO PS-67491-001

6. RECOMMENDED SOLDERING PROCESS: IR PROCESS

△ METAL POSTS TO BE SOLDERED TO PCB



RECOMMENDED P.C.B LAYOUT
CONNECTOR SIDE

B	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)				
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

REVISED EC NO: SH2010-0043	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 DATE		TITLE HIGH SPEED CONNECTOR 1.27MM PITCH VERTICAL SMT SOLDER TAIL		
						GRATE MA 2004/02/02				
						CHECKED BY DATE				
						YAJUN 2004/02/02				
						APPROVED BY DATE				
1 PLACE ± 0.25 ± ---		SAM 2004/02/02		MOLEX MOLEX INCORPORATED						
ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		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.
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- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
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- Тестирование поставляемой продукции.
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- 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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