

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0678007102](#)
Status: **Active**
Overview: [serial_ata_products](#)
Description: 1.27mm (.050") Pitch Serial ATA High Speed Header, Vertical, Through Hole, with Locking Latch, 7 Circuits, 0.76µm (30µ") Gold (Au) Plating, for 1.60mm (.063") PCB, High Temperature, Black, Footprint B, with PCB Locator Tabs, Lead-free

Documents:	
3D Model	Product Specification PS-67491-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

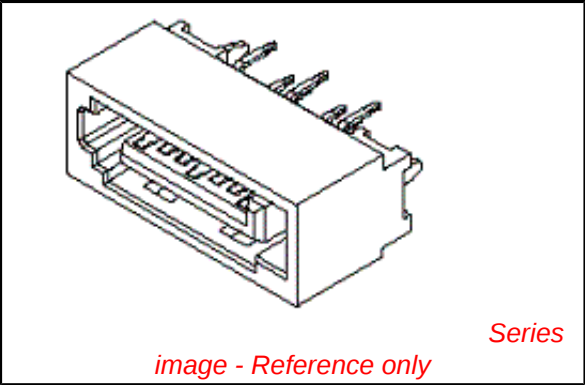
CSA	LR 19980
UL	E29179

General

Product Family	PCB Headers
Series	67800
Application	Board-to-Board, Wire-to-Board
Comments	Staggered Solder Pin Footprint B
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
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.096 In
PC Tail Length (mm)	2.45 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
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
Polarized to Mating Part	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-35°C to +85°C



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](#)

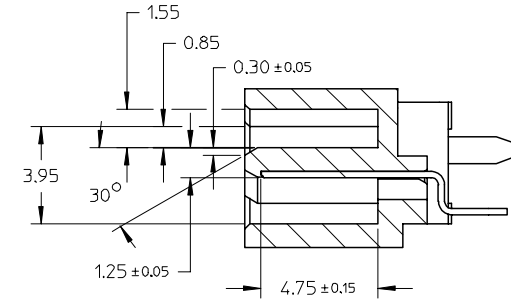
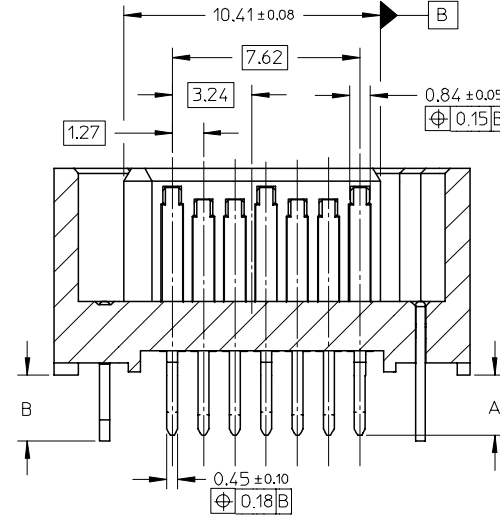
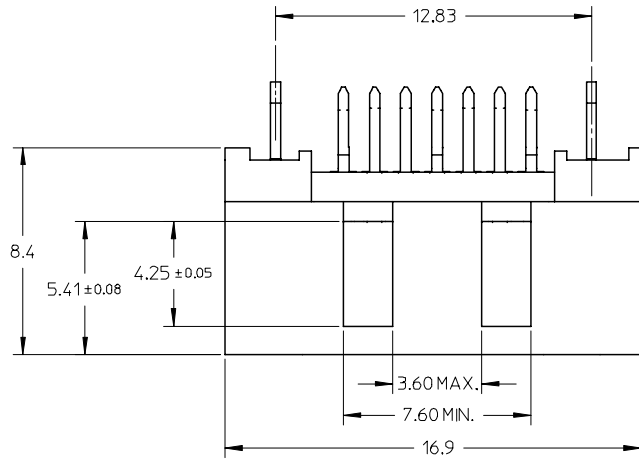
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[67800Series](#)

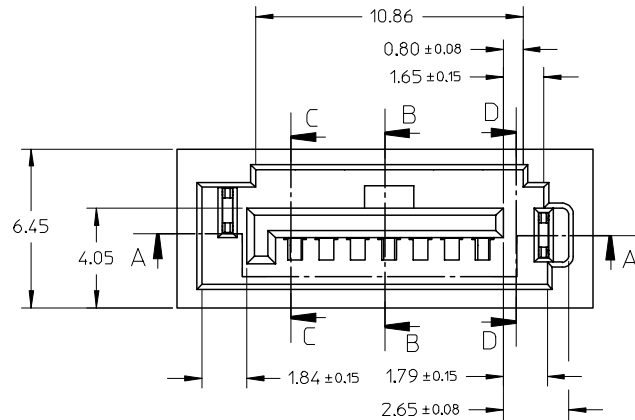
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	1.5A
Voltage - Maximum	15V DC
Solder Process Data	
Lead-free Process Capability	SMC & Wave Capable (TH only)
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-67800-001
Product Specification	PS-67491-001
Sales Drawing	SD-67800-007

This document was generated on 05/26/2010

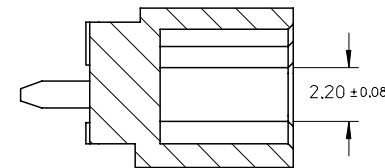
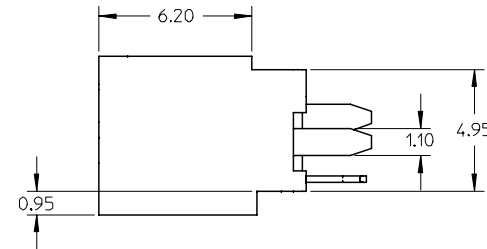
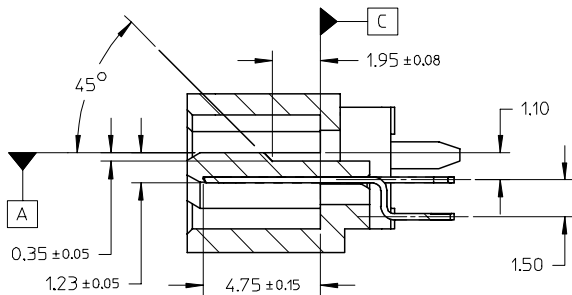
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SECTION C-C



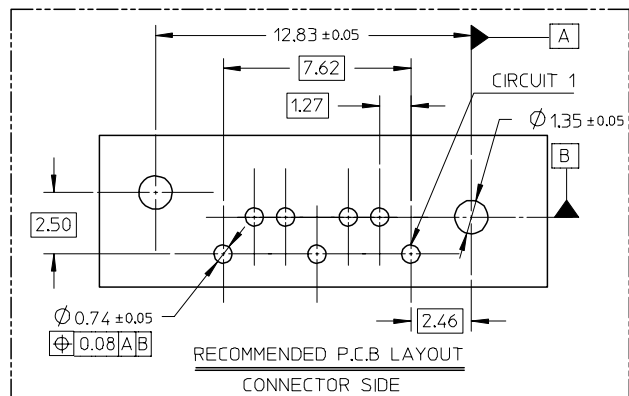
SECTION B-B



SECTION D-D

OBSOLESCE PART EC NO: SH2006-0566 DRWN:BCHENZ6 2006/05/29 CHKD:GRATE MA 2006/05/29 APPR: JNCHEN 2006/05/30	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=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 DIP SOLDER TAIL					
			4 PLACES	± ---	± ---	GRATE MA	2004/02/02						
			3 PLACES	± ---	± ---	CHECKED BY	DATE						
			2 PLACES	± 0.15	± ---	YAJUN	2004/02/02	MOLEX INCORPORATED					
			1 PLACE	± 0.25	± ---	APPROVED BY	DATE						
			ANGULAR ±1/2°		SAM	2004/02/02	SEE SHEET2						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.							DOCUMENT NO. SD-67800-007	
					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



NOTES:

1. MATERIAL:

HOUSING/COLOR: SEE CHART, GLASS FILLED, UL94V-0
TERMINAL/PEG: 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 PLATED 1.27 MICRON MINIMUM OVER NICKEL PLATED 1.27 MICRON MINIMUM

3. PEG PLATING: TIN PLATED 1.27 MICRON MINIMUM OVER NICKEL PLATED 1.8 MICRON MINIMUM

4. PACKAGING: TRAY

5. PRODUCT SPECIFICATION REFER TO PS-67491-001

6. RECOMMENDED SOLDERING PROCESS: THERMAL PLASTIC FOR WAVE SOLDEING PROCESS

HIGH TEMPERATURE THERMAL PLASTIC FOR IR SOLDERING PROCESS

678007065	SEE NOTE2(c)						
678007062	SEE NOTE2(b)	3.25	3.45	2.40+/-0.05			
678007061	SEE NOTE2(a)						
678007055	SEE NOTE2(c)						
678007052	SEE NOTE2(b)	2.85	3.05	2.00+/-0.05	THERMAL	NATURE	
678007051	SEE NOTE2(a)				PLASTIC	COLOR	
678007045	SEE NOTE2(c)						
678007042	SEE NOTE2(b)	2.45	2.65	1.60+/-0.05			
678007041	SEE NOTE2(a)						
678007085	SEE NOTE2(c)						
678007082	SEE NOTE2(b)	3.25	3.45	2.40+/-0.05			
678007081	SEE NOTE2(a)						
678007075	SEE NOTE2(c)						
678007072	SEE NOTE2(b)	2.85	3.05	2.00+/-0.05	THERMAL	PROCESS	
678007071	SEE NOTE2(a)				PLASTIC	BLUE C	
678007035	SEE NOTE2(c)					ΔE<3	
678007032	SEE NOTE2(b)	2.45	2.65	1.60+/-0.05			
678007031	SEE NOTE2(a)						
678007025	SEE NOTE2(c)						
678007022	SEE NOTE2(b)	3.25	3.45	2.40+/-0.05			
678007021	SEE NOTE2(a)						
678007015	SEE NOTE2(c)						
678007012	SEE NOTE2(b)	2.85	3.05	2.00+/-0.05	THERMAL	BLACK	
678007011	SEE NOTE2(a)				PLASTIC		
678007005	SEE NOTE2(c)						
678007002	SEE NOTE2(b)	2.45	2.65	1.60+/-0.05			
678007001	SEE NOTE2(a)						
MATERIAL	PLATING	DIM	DIM	P.C.B	PLASTIC	PLASTIC	REMARK
NUMBER	TYPE	A	B	THICKNESS	TYPE	COLOR	

678007125	SEE NOTE2(c)						
678007122	SEE NOTE2(b)	3.25	3.45	2.40+/-0.05			
678007121	SEE NOTE2(a)						
678007115	SEE NOTE2(c)						
678007112	SEE NOTE2(b)	2.85	3.05	2.00+/-0.05	HIGH		
678007111	SEE NOTE2(a)				TEMPERATURE	BLACK	PURE
678007105	SEE NOTE2(c)				THERMAL		TIN
678007102	SEE NOTE2(b)	2.45	2.65	1.60+/-0.05	PLASTIC		
678007101	SEE NOTE2(a)						
MATERIAL	PLATING	DIM	DIM	P.C.B	PLASTIC	PLASTIC	REMARK
NUMBER	TYPE	A	B	THICKNESS	TYPE	COLOR	

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			1 PLACE ± 0.25 ± ---		MATERIAL NO.					
ANGULAR ±1/2°		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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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- 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;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- 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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