

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0678008012

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) Selective Plating, for 2.00mm (.079") PCB, Black, Footprint A, with PCB Locator Tabs, 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	In-line Solder Pin Footprint A
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)	0.112 In
PC Tail Length (mm)	2.85 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.080 In
PCB Thickness Recommended (mm)	2.00 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)	No
Temperature Range - Operating	-55°C to +85°C

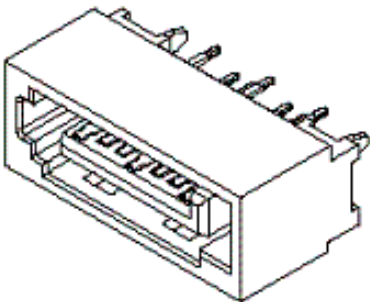


image - Reference only

Series

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.

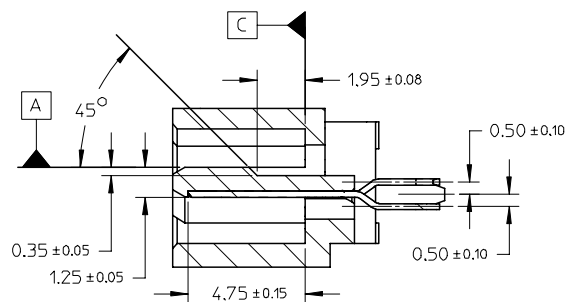
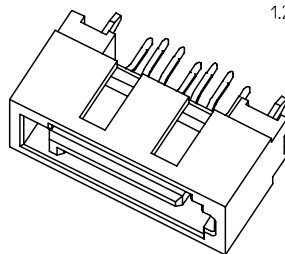
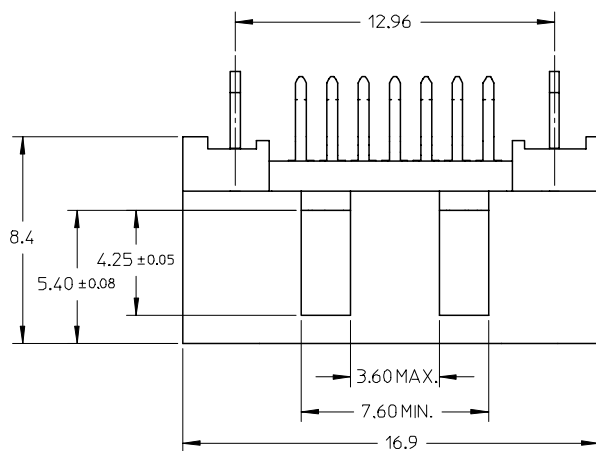
Search Parts in this Series

67800Series

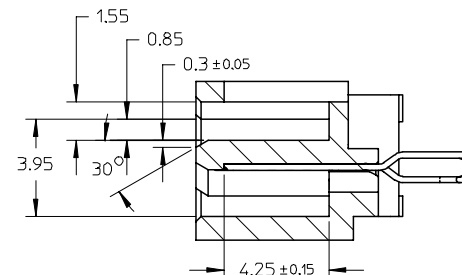
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	1.5A
Voltage - Maximum	15V
Solder Process Data	
Lead-free Process Capability	Wave Capable (TH only)
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-67800-001
Sales Drawing	SD-67800-008

This document was generated on 05/26/2010

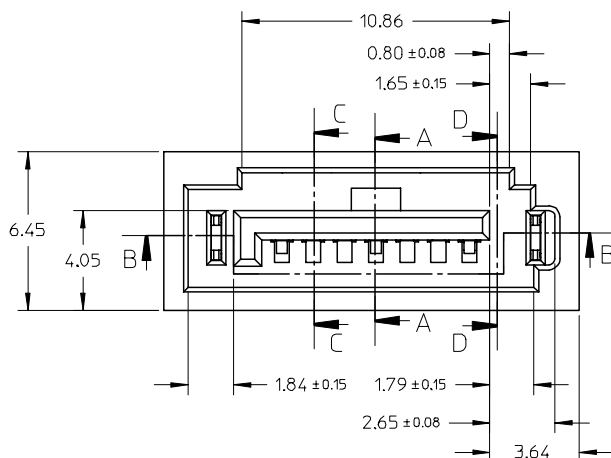
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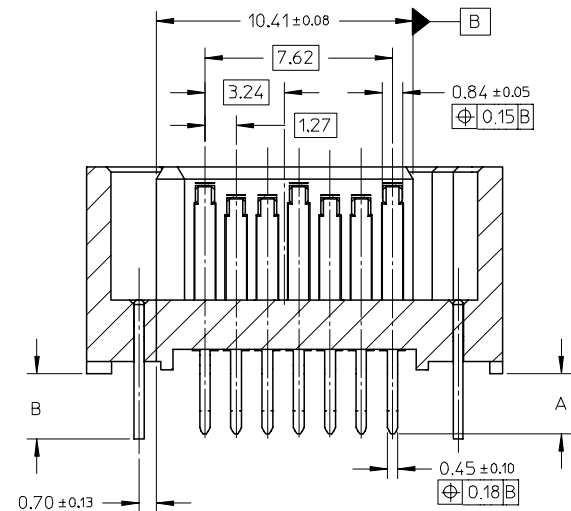
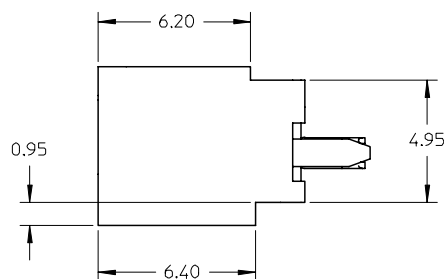
SECTION A-A



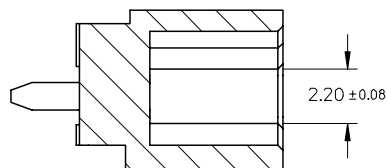
SECTION C-C



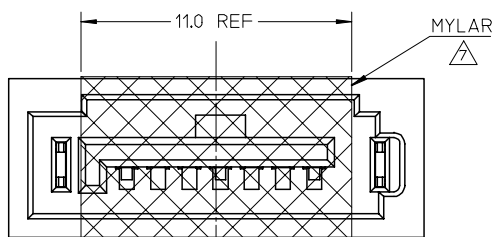
SECTION D-D



SECTION B-B

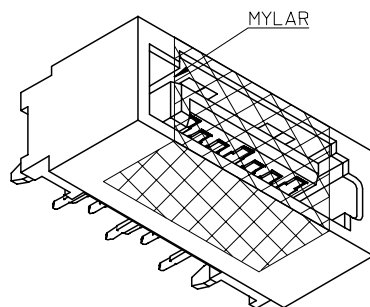


ADD PART NUMBER EC NO: SH2007-0324 DRWN: B. CHEN26 CHKD: J. TIAN APPR: J. CHEN	2006/11/06 2006/11/06 2006/11/15	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
						DRAWN BY DATE		TITLE				
				4 PLACES ± --- ± ---		GRATE		HIGH SPEED CONNECTOR				
				3 PLACES ± --- ± ---		CHECKED BY DATE		1.27MM PITCH VERTICAL				
				2 PLACES ± 0.15 ± ---		YA JUN		DIP SOLDER TAIL				
REV				1 PLACE ± 0.25 ± ---		APPROVED BY DATE		MOLEX MOLEX INCORPORATED				
				ANGULAR ± 1 °		SAM						
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE SHEET2		DOCUMENT NO. SD-67800-008		SHEET NO. 1 OF 2		
SIZE A3										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		



SCHEMATIC DRAWING OF MYLAR
ONLY FOR 678008205
(SCALE 5:1)

△7. THE MYLAR STICKED ON THE HOUSING IS JUST USED FOR PICK-UP PLACE, PLEASE REMOVE IT AFTER REFLOW



678008125	SEE NOTE2(c)				HIGH TEMPERATURE THERMAL PLASTIC	BLACK	PURE TIN
678008122	SEE NOTE2(b)	3.25	3.45	2.40+/-0.05			
678008121	SEE NOTE2(a)						
678008115	SEE NOTE2(c)						
678008112	SEE NOTE2(b)	2.85	3.05	2.00+/-0.05			
678008111	SEE NOTE2(a)						
678008205	SEE NOTE2(c)						
678008105	SEE NOTE2(c)	2.45	2.65	1.60+/-0.05			
678008102	SEE NOTE2(b)						
678008101	SEE NOTE2(a)						
MATERIAL NUMBER	PLATING TYPE	DIM A	DIM B	P.C.B THICKNESS	PLASTIC TYPE	PLASTIC COLOR	REMARK

ADD PART NUMBER EC NO: SH2007-0324 DRAWN: BICHEN26 CHKD: JIAN APPR: JINCHEN 2006/11/106 2006/11/106 2006/11/115 2006/11/115	DESCRIPTION REV	QUALITY SYMBOLS ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
					DRAWN BY DATE		TITLE HIGH SPEED CONNECTOR 1.27MM PITCH VERTICAL DIP SOLDER TAIL						
			4 PLACES	± ---	± ---	GRATE						2004/02/02	
			3 PLACES	± ---	± ---	CHECKED BY						DATE	
			2 PLACES	± 0.15	± ---	YAJUN						2004/02/02	
			1 PLACE		± 0.25	± ---	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED				
			ANGULAR ± 1 °		SAM		2004/02/02						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.			SHEET NO.			
					SEE CHART		SD-67800-008			2 OF 2			
					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						