

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0678008002

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 1.60mm (.063") 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)

0.096 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

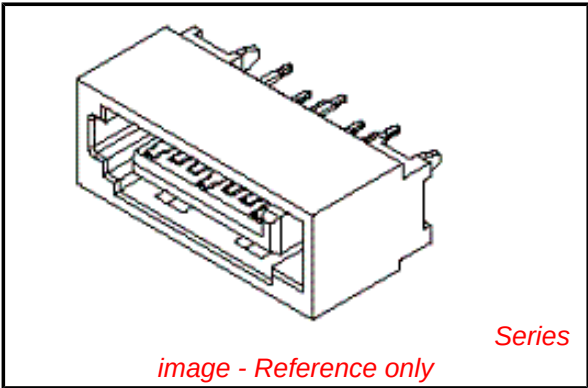
No

Surface Mount Compatible (SMC)

No

Temperature Range - Operating

-55°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.

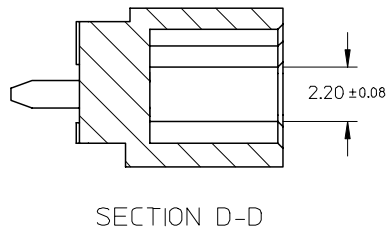
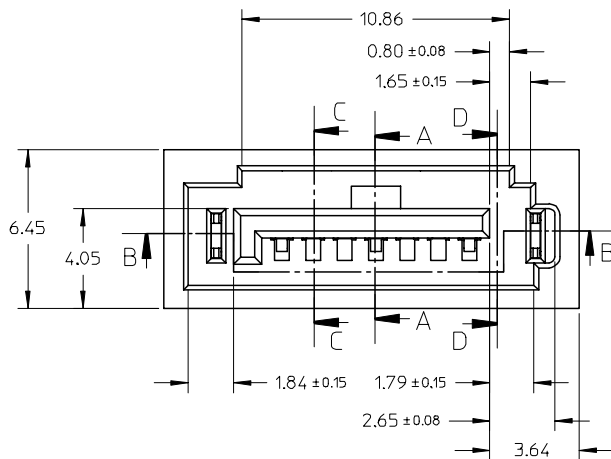
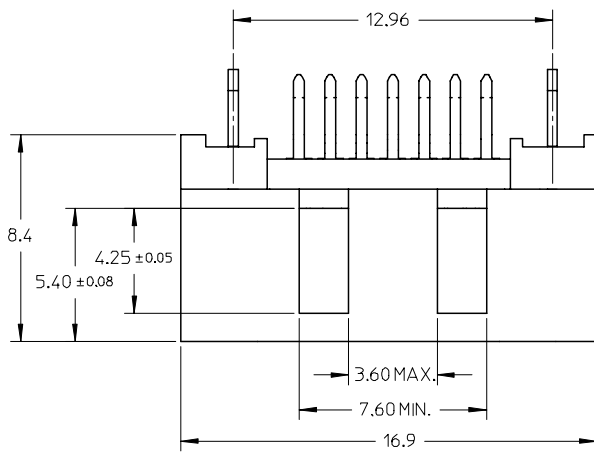
Search Parts in this Series

67800Series

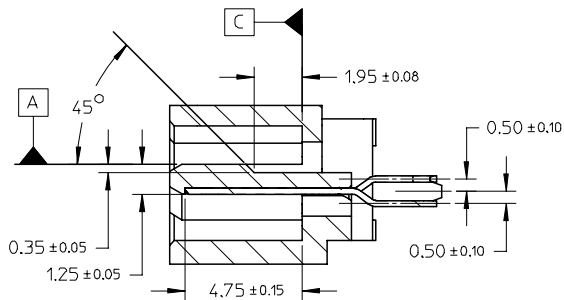
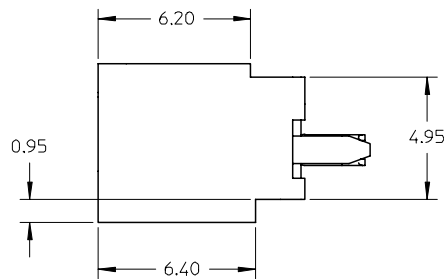
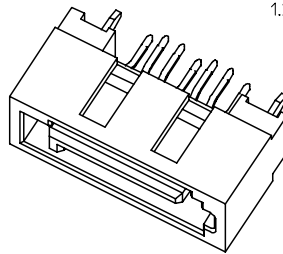
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	1.5A
Voltage - Maximum	15V
Solder Process Data	
Lead-free Process Capability	Wave Capable (TH only)
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-67800-001
Sales Drawing	SD-67800-008

This document was generated on 05/26/2010

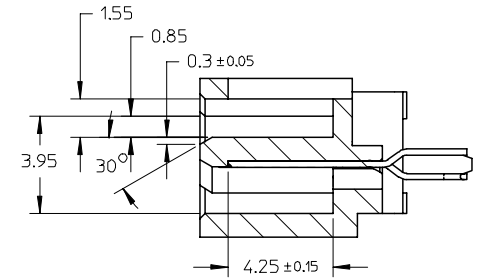
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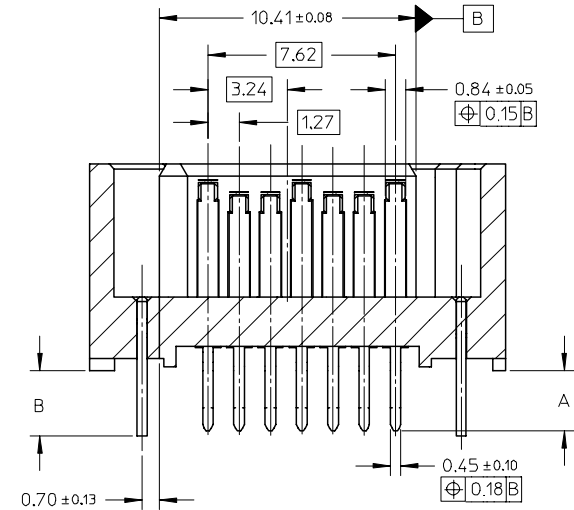
SECTION D-D



SECTION A-A



SECTION C-C



SECTION B-B

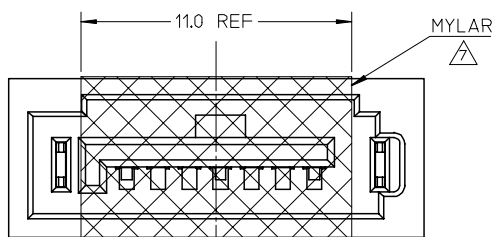
ADD PART NUMBER	DESCRIPTION	REV
EC NO: SH2007-0324	2006/11/06	
DRWN: BCHEN26	2006/11/06	
CHKD: JTIAN	2006/11/06	
APPR: INCHEM	2006/11/15	

QUALITY SYMBOLS
▽=0
▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 1 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

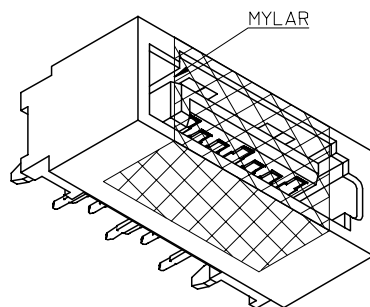
DIMENSION STYLE	SCALE	DESIGN UNITS
MM ONLY	5:1	METRIC
DRAWN BY	DATE	TITLE
GRATE	2004/02/02	HIGH SPEED CONNECTOR
CHECKED BY	DATE	1.27MM PITCH VERTICAL
YA JUN	2004/02/02	DIP SOLDER TAIL
APPROVED BY	DATE	MOLEX INCORPORATED
SAM	2004/02/02	
MATERIAL NO.	DOCUMENT NO.	SHEET NO.
SEE SHEET2	SD-67800-008	1 OF 2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
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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: JNCHEN	2006/11/06 2006/11/06 2006/11/15	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
					mm	INCH	DRAWN BY GRATE	DATE 2004/02/02	TITLE HIGH SPEED CONNECTOR 1.27MM PITCH VERTICAL DIP SOLDER TAIL		
				4 PLACES ± ---	± ---	CHECKED BY YA JUN	DATE 2004/02/02				
				3 PLACES ± ---	± ---	APPROVED BY SAM	DATE 2004/02/02	MOLEX INCORPORATED			
				2 PLACES ± 0.15	± ---	MATERIAL NO.	DOCUMENT NO.		SHEET NO.		
				1 PLACE ± 0.25	± ---	SEE CHART		SD-67800-008		2 OF 2	
				ANGULAR ± 1 °		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							