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Part Number:

0678008235

Status:

Active

Overview:

serial_ata_products

Description:

1.27mm (.050") Pitch Serial ATA High Speed Header, Vertical, Through Hole, with Locking Latch, 7 Circuits, 0.38µm (15µ") Gold (Au) Plating, for 1.60mm (.063") PCB, High Temperature, Blue, Footprint A, with PCB Locator Tabs, Lead-free

Documents:

3D Model

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR 19980

General

Product Family

Series

Application

Comments

Overview

Product Name

PCB Headers

67800

Board-to-Board, Wire-to-Board

In-line Solder Pin|Footprint A

serial_ata_products

Serial ATA

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Flammability

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Polarized to Mating Part

Shrouded

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

No

7

7

Blue

50

Yes

94V-0

No

No

Yes

Yes

Brass

Gold

Tin

1

Vertical

0.083 In

2.10 mm

Yes

Yes

0.062 In

1.60 mm

Tray

0.050 In

1.27 mm

0.050 In

1.27 mm

Yes

Fully

No

Yes

-55°C to +85°C

Through Hole

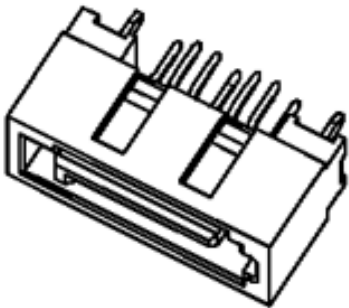


image - Reference only

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

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	255

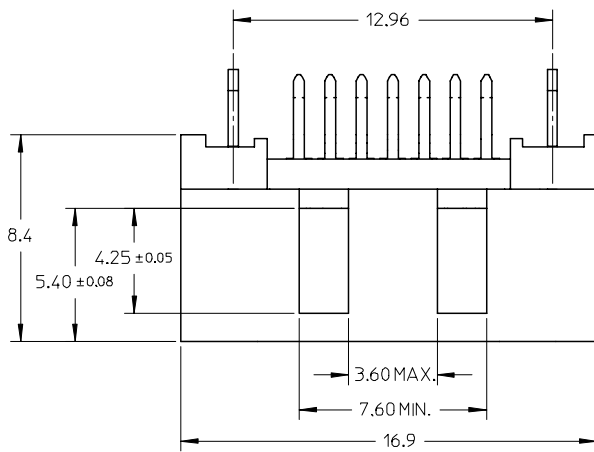
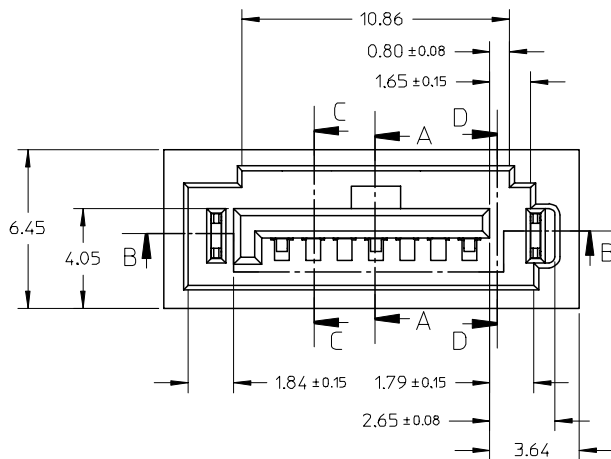
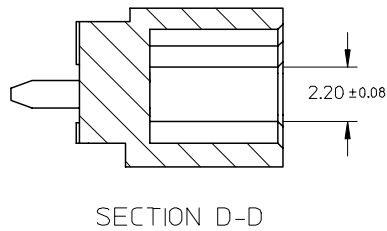
Material Info

Reference - Drawing Numbers

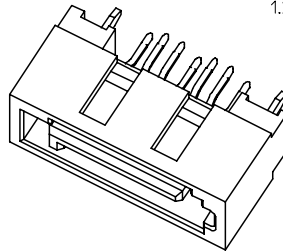
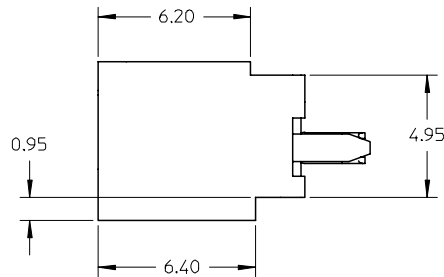
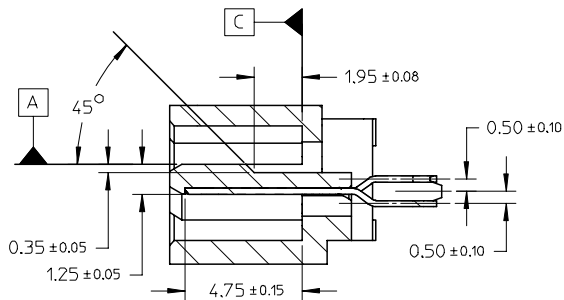
Packaging Specification	PK-67800-003
Sales Drawing	SD-67800-008

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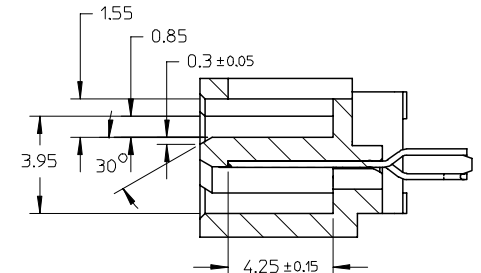
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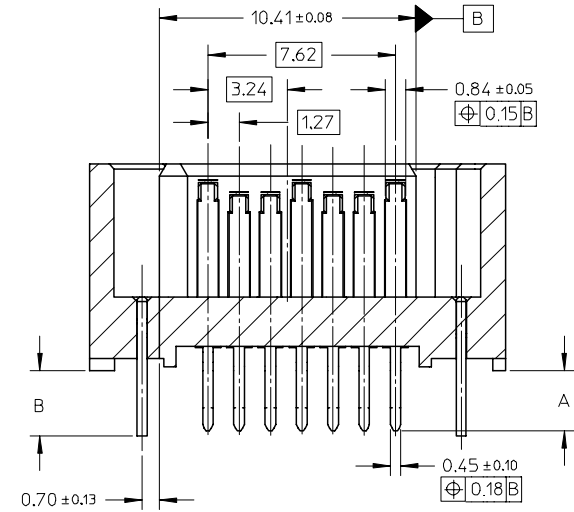
SECTION D-D



SECTION A-A



SECTION C-C



SECTION B-B

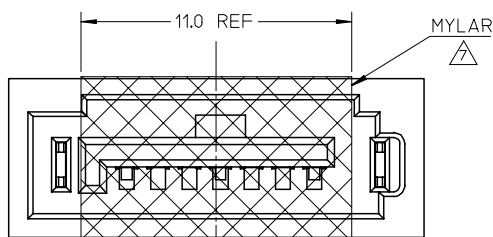
ADD PART NUMBER	DESCRIPTION	REV
EC NO: SH2007-0324	2006/11/06	
DRWN: BCHEN26	2006/11/06	
CHKD: JTIAN	2006/11/06	
APPR: INCHEM	2006/11/15	

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		

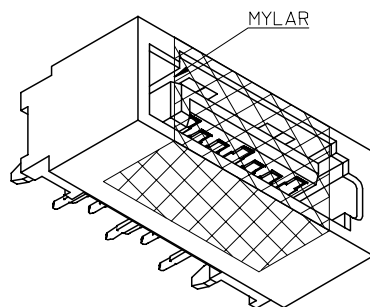
DIMENSION STYLE	SCALE	DESIGN UNITS
MM ONLY	5:1	METRIC
DRAWN BY	DATE	TITLE
GRATE	2004/02/02	HIGH SPEED CONNECTOR
CHECKED BY	DATE	1.27MM PITCH VERTICAL
YA JUN	2004/02/02	DIP SOLDER TAIL
APPROVED BY	DATE	
SAM	2004/02/02	
MATERIAL NO.		
SEE SHEET2		

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
5:1	METRIC	
MOLEX INCORPORATED		
DOCUMENT NO.		SHEET NO.
SD-67800-008		1 OF 2
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: JNCHEN	2006/11/06 2006/11/06 2006/11/15	DESCRIPTION	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 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 °							
				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			