

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0678008102

Status:

Active

Overview:

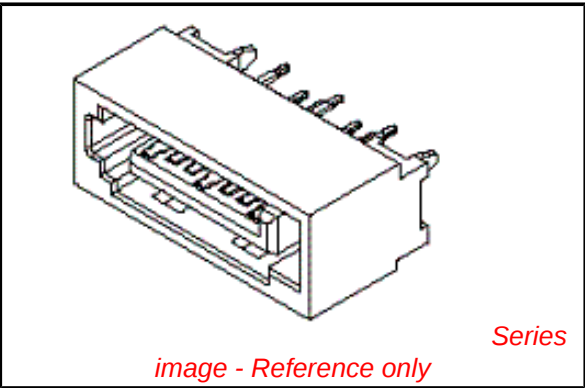
serial_ata_products

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 A, with PCB Locator Tabs, Lead-free

Documents:	
3D Model	RoHS Certificate of Compliance (PDF)
Drawing (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)	Yes
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.

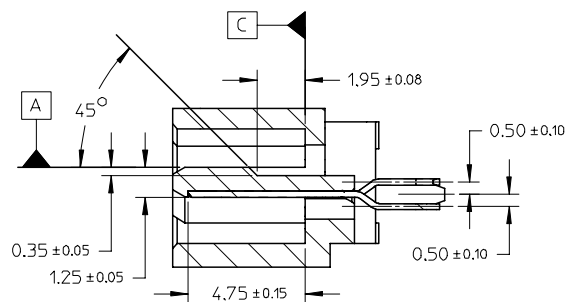
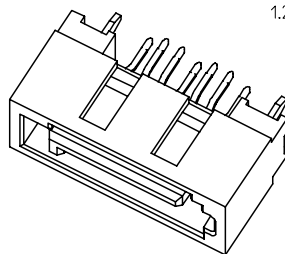
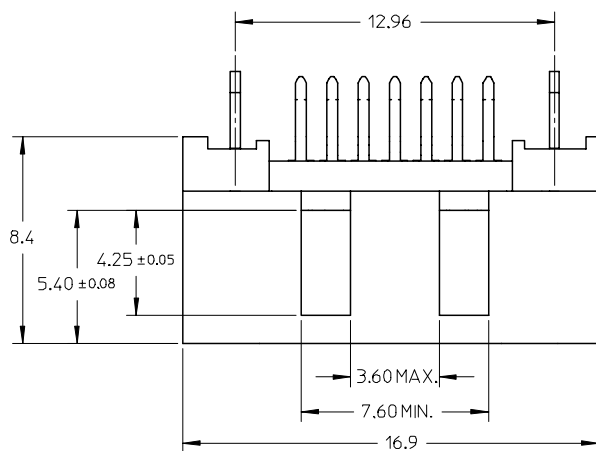
Search Parts in this Series

67800Series

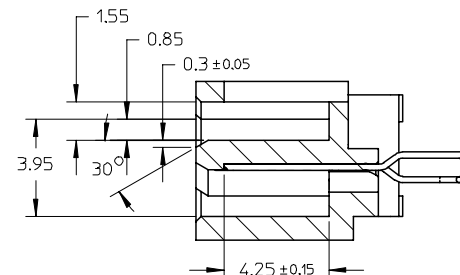
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	1.5A
Voltage - Maximum	15V
Solder Process Data	
Lead-free Process Capability	SMC & Wave Capable (TH only)
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-67800-001
Sales Drawing	SD-67800-008

This document was generated on 05/26/2010

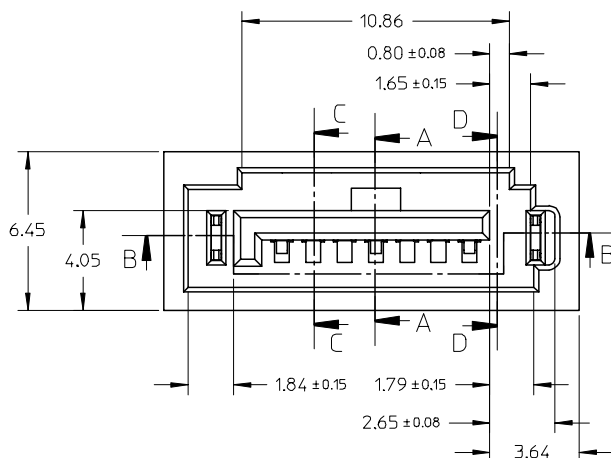
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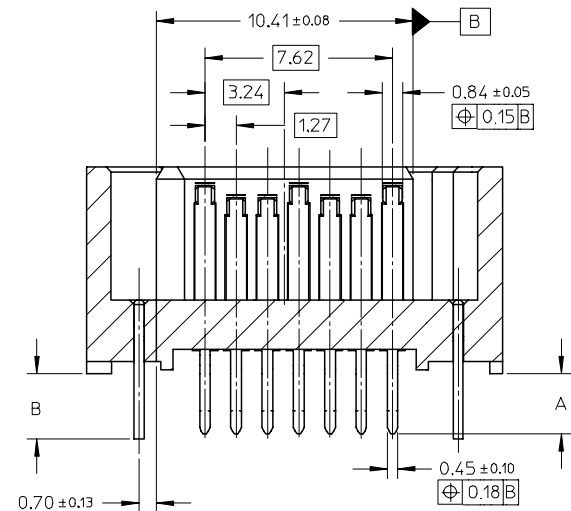
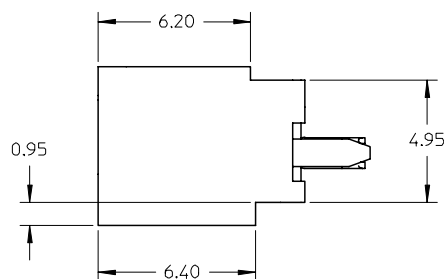
SECTION A-A



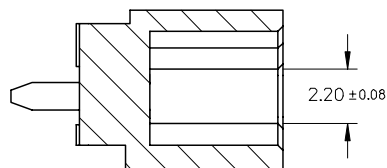
SECTION C-C



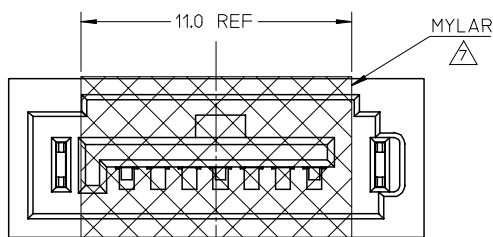
SECTION D-D



SECTION B-B

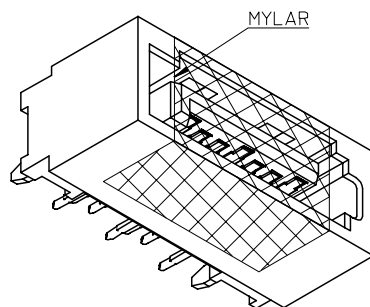


ADD PART NUMBER EC NO: SH2007-0324 DRWN: B. CHEN26 CHKD: J. TIAN APPR: J. CHEN	2006/11/06 2006/11/06 2006/11/15	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
						DRAWN BY DATE		TITLE				
				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: 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 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			