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Part Number:

0678005022

Status:

Active

Overview:

serial\_ata\_products

Description:

1.27mm (.050") Pitch Serial ATA High Speed Header, Vertical, Surface Mount, with Locking Latch, 7 Circuits, 0.76µm (30µ") Gold (Au) Plating, for 2.40mm (.094") PCB, with PCB Locator Pegs, 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

Staggered Solder Pin|Metal Post Length 3.45mm (.136")

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

Material - Resin

High Temperature Thermoplastic

Number of Rows

1

Orientation

Vertical

PCB Locator

Yes

PCB Retention

Yes

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

Plating min: Mating (µin)

30

Plating min: Mating (µm)

0.76

Plating min: Termination (µin)

75

Plating min: Termination (µm)

1.9

Polarized to Mating Part

Yes

Polarized to PCB

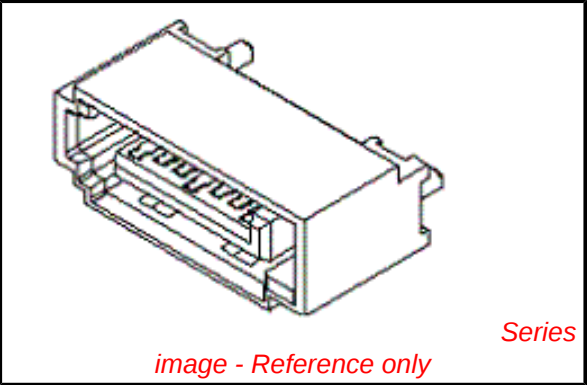
Yes

Shrouded

Fully

Stackable

No



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](mailto: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

Temperature Range - Operating  
Termination Interface: Style

-35°C to +85°C  
Surface Mount

Electrical

Current - Maximum per Contact  
Voltage - Maximum

1.5A  
15V DC

Solder Process Data

Lead-free Process Capability

Reflow Capable (SMT only)

Material Info

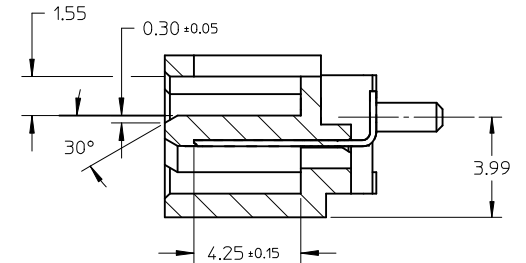
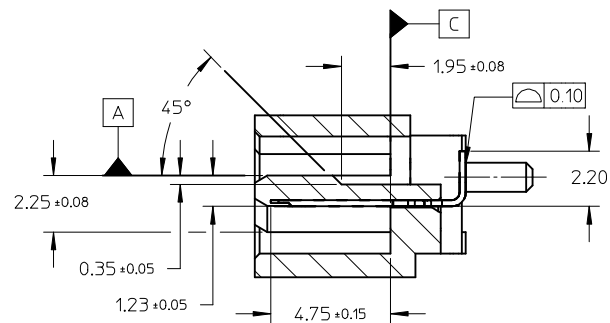
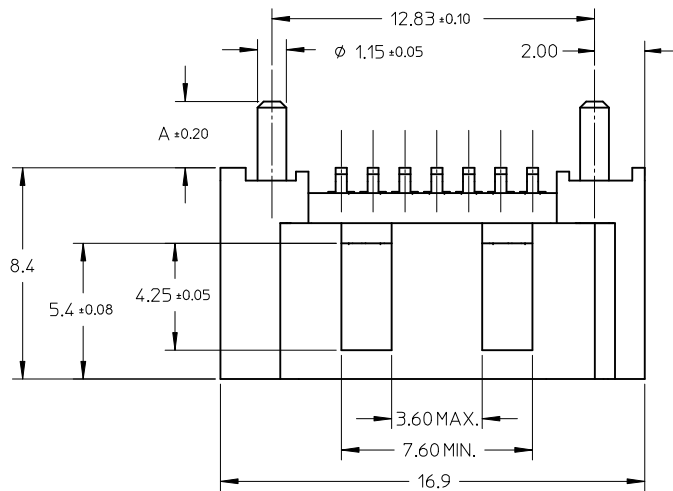
Reference - Drawing Numbers

Packaging Specification  
Sales Drawing

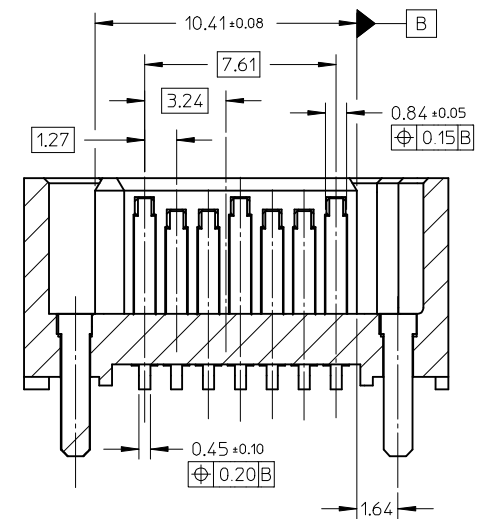
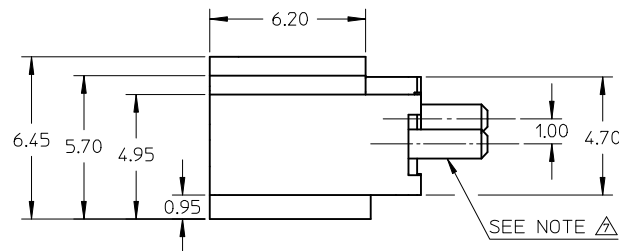
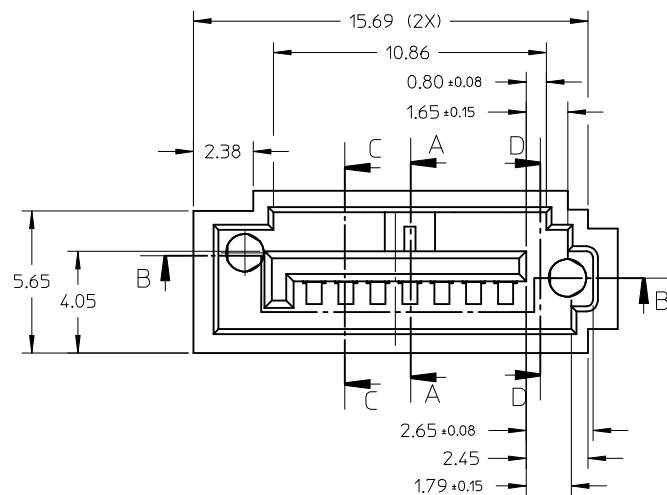
PK-67800-001  
SD-67800-005

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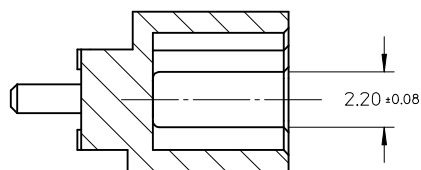
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SECTION C-C



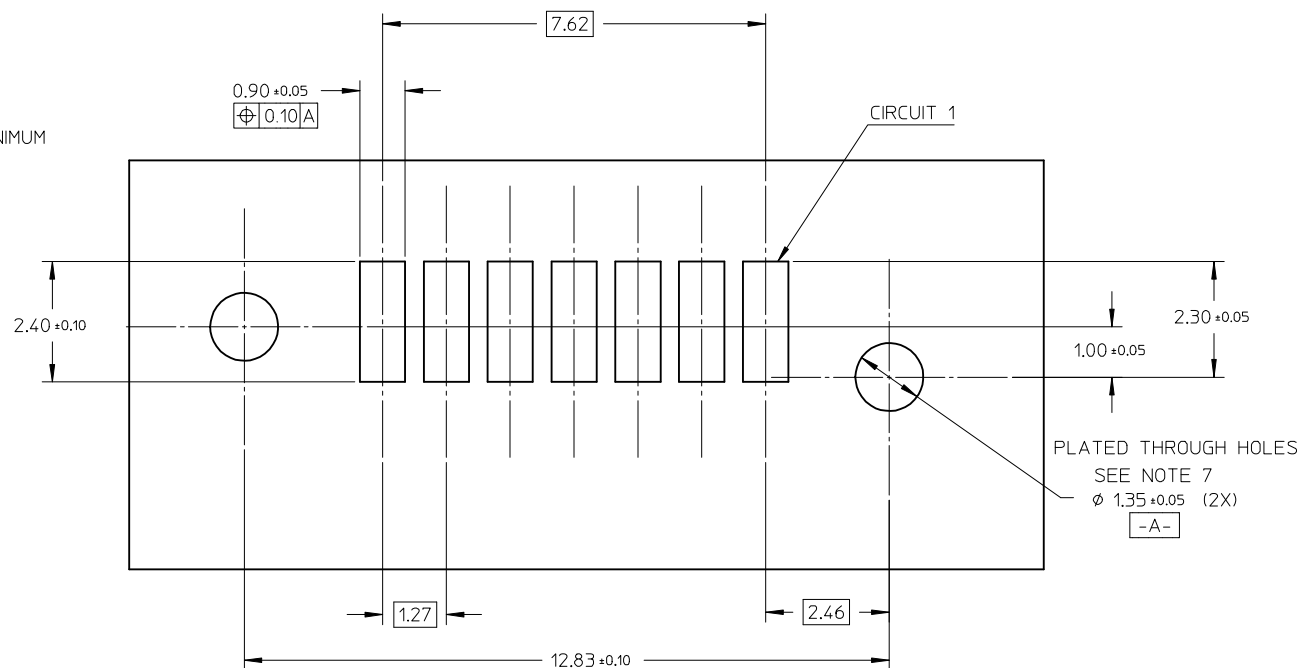
SECTION B-B



SECTION D-D

|                                                                          |                                        |             |                                                  |                                                            |        |                            |                                                                                                                                  |                    |                                                                           |                           |  |  |  |  |
|--------------------------------------------------------------------------|----------------------------------------|-------------|--------------------------------------------------|------------------------------------------------------------|--------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------|---------------------------|--|--|--|--|
| REVISED<br>EC NO: SH2010-0043<br>DRAWN:GLLI<br>CHKD:XJONG<br>APPR:RZHANG | 2009/08/07<br>2009/08/10<br>2009/09/13 | DESCRIPTION | QUALITY SYMBOLS<br><div>▽=0</div> <div>◇=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        | DIMENSION STYLE<br>MM ONLY |                                                                                                                                  | SCALE<br>5:1       | DESIGN UNITS<br>METRIC                                                    | THIRD ANGLE<br>PROJECTION |  |  |  |  |
|                                                                          |                                        |             |                                                  |                                                            | mm     | INCH                       | DRAWN BY<br>GRATE MA                                                                                                             | DATE<br>2004/02/02 | TITLE<br>HIGH SPEED CONNECTOR<br>1.27MM PITCH VERTICAL<br>SMT SOLDER TAIL |                           |  |  |  |  |
|                                                                          |                                        |             |                                                  | 4 PLACES                                                   | ± ---  | ± ---                      | CHECKED BY<br>YA JUN                                                                                                             | DATE<br>2004/02/02 |                                                                           |                           |  |  |  |  |
|                                                                          |                                        |             |                                                  | 3 PLACES                                                   | ± ---  | ± ---                      | APPROVED BY<br>SAM                                                                                                               |                    | DATE<br>2004/02/02                                                        | MOLEX INCORPORATED        |  |  |  |  |
|                                                                          |                                        |             |                                                  | 2 PLACES                                                   | ± 0.15 | ± ---                      |                                                                                                                                  |                    |                                                                           |                           |  |  |  |  |
|                                                                          |                                        |             |                                                  | 1 PLACE                                                    | ± 0.25 | ± ---                      | MATERIAL NO.                                                                                                                     |                    | DOCUMENT NO.                                                              | SD-67800-005              |  |  |  |  |
|                                                                          |                                        |             |                                                  | ANGULAR ± 1 °                                              |        |                            |                                                                                                                                  |                    |                                                                           |                           |  |  |  |  |
|                                                                          |                                        |             |                                                  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        |                            | SEE SHEET 2                                                                                                                      |                    | SHEET NO.<br>1 OF 2                                                       |                           |  |  |  |  |
|                                                                          |                                        |             |                                                  |                                                            |        |                            | SIZE<br>A3                                                                                                                       |                    |                                                                           |                           |  |  |  |  |
|                                                                          |                                        |             |                                                  |                                                            |        |                            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                                                                           |                           |  |  |  |  |

△ METAL POSTS TO BE SOLDERED TO PCB



|             |              |                  |       |          |
|-------------|--------------|------------------|-------|----------|
| 678005025   | SEE NOTE2(c) | BLACK            | 3.45  | PURE TIN |
| 678005022   | SEE NOTE2(b) |                  |       |          |
| 678005021   | SEE NOTE2(a) |                  |       |          |
| 678005015   | SEE NOTE2(c) | BLACK            | 3.05  |          |
| 678005012   | SEE NOTE2(b) |                  |       |          |
| 678005011   | SEE NOTE2(a) |                  |       |          |
| 678005005   | SEE NOTE2(c) | BLACK            | 2.65  |          |
| 678005004   | SEE NOTE2(c) | YELLOW           |       |          |
| 678005003   | SEE NOTE2(c) | BLUE             |       |          |
| 678005002   | SEE NOTE2(b) | BLACK            |       |          |
| 678005001   | SEE NOTE2(a) |                  |       |          |
| MATERIAL NO | PLATING TYPE | HOUSING<br>COLOR | DIM A | REMARK   |

|         |                                                            |                                          |                                        |             |                                   |                                       |                                                                                                                                  |                            |             |                                                                               |                             |                           |  |
|---------|------------------------------------------------------------|------------------------------------------|----------------------------------------|-------------|-----------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------|-------------------------------------------------------------------------------|-----------------------------|---------------------------|--|
| REVISED | EC NO: SH2010-0043                                         | DRAWN:GLLI<br>CHKD:XJSUNG<br>APPR:RZHANG | 2009/08/07<br>2009/08/10<br>2009/09/13 | DESCRIPTION | QUALITY SYMBOLS<br><br>▽=0<br>C=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                                                                                                                  | DIMENSION STYLE<br>MM ONLY |             | SCALE<br>5:1                                                                  | DESIGN UNITS<br>METRIC      | THIRD ANGLE<br>PROJECTION |  |
|         |                                                            |                                          |                                        |             |                                   | mm                                    | INCH                                                                                                                             | DRAWN BY                   | DATE        | TITLE<br><br>HIGH SPEED CONNECTOR<br>1.27MM PITCH VERTICAL<br>SMT SOLDER TAIL |                             |                           |  |
|         |                                                            |                                          |                                        |             |                                   | 4 PLACES                              | ±---                                                                                                                             | ±---                       | GRATE MA    |                                                                               | 2004/02/02                  |                           |  |
|         |                                                            |                                          |                                        |             |                                   | 3 PLACES                              | ±---                                                                                                                             | ±---                       | CHECKED BY  |                                                                               | DATE                        |                           |  |
|         |                                                            |                                          |                                        |             |                                   | 2 PLACES                              | ±0.15                                                                                                                            | ±---                       | YA JUN      |                                                                               | 2004/02/02                  |                           |  |
|         |                                                            |                                          |                                        |             |                                   | 1 PLACE                               | ±0.25                                                                                                                            | ±---                       | APPROVED BY | DATE                                                                          | MOLEX<br>MOLEX INCORPORATED |                           |  |
|         |                                                            |                                          |                                        |             |                                   | ANGULAR ± 1 °                         |                                                                                                                                  | SAM                        | 2004/02/02  | DOCUMENT NO.<br>SD-67800-005                                                  |                             | SHEET NO.<br>2 OF 2       |  |
| REV     | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                          |                                        |             |                                   | SIZE<br>A3                            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                            |             |                                                                               |                             |                           |  |



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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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