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Part Number:

0674901221

Status:

Active

Overview:

serial\_ata\_products

Description:

1.27mm (.050") Pitch Serial ATA Header, Standard Type, Surface Mount, Right Angle, 7 Circuits, without Mylar, 0.76µm (30µ") Gold (Au) Plating, Tray Package, Lead-free

Documents:

3D Model

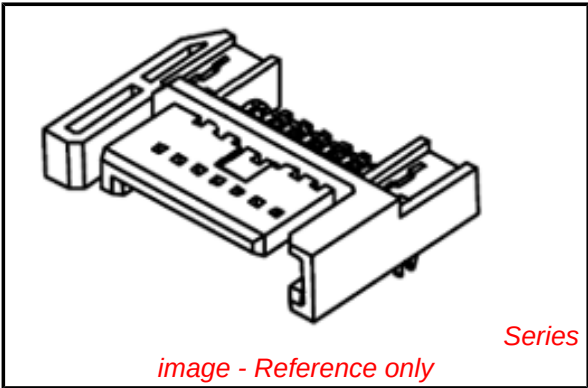
Drawing (PDF)

Product Specification PS-67490-001 (PDF)

RoHS Certificate of Compliance (PDF)

| General                        |                                |
|--------------------------------|--------------------------------|
| Product Family                 | PCB Headers                    |
| Series                         | 67490                          |
| Application                    | Board-to-Board, Wire-to-Board  |
| Comments                       | Standard Type Without Mylar    |
| 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                            |
| Glow-Wire Compliant            | No                             |
| Guide to Mating Part           | Yes                            |
| Keying to Mating Part          | Yes                            |
| Lock to Mating Part            | No                             |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Number of Rows                 | 1                              |
| Orientation                    | Right Angle                    |
| PCB Locator                    | No                             |
| 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                        |
| Plating min: Mating (µin)      | 30                             |
| Plating min: Mating (µm)       | 0.76                           |
| Plating min: Termination (µin) | 50.8                           |
| Plating min: Termination (µm)  | 1.27                           |
| Polarized to Mating Part       | No                             |
| Shrouded                       | No                             |
| Stackable                      | No                             |
| Temperature Range - Operating  | -35°C to +85°C                 |
| Termination Interface: Style   | Surface Mount                  |

| Electrical                    |        |
|-------------------------------|--------|
| Current - Maximum per Contact | 1.5A   |
| Voltage - Maximum             | 15V DC |



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

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

67490Series

Mates With

Serial ATA Signal Connector 67489 , 88755

**Material Info**

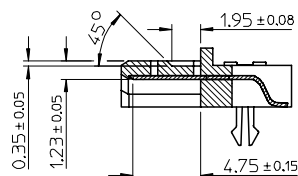
**Reference - Drawing Numbers**

|                         |              |
|-------------------------|--------------|
| Packaging Specification | PK-67490-001 |
| Product Specification   | PS-67490-001 |
| Sales Drawing           | SD-67490-002 |

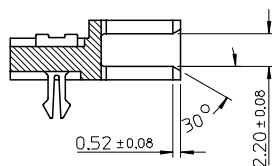
This document was generated on 05/25/2010

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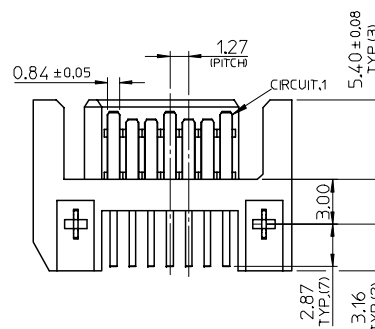
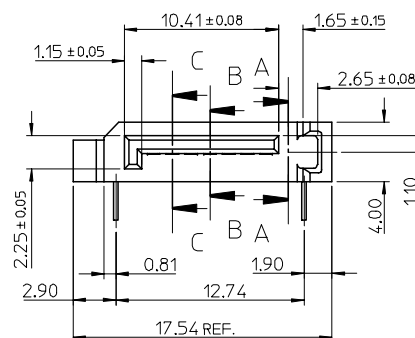
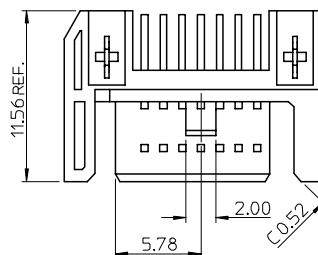
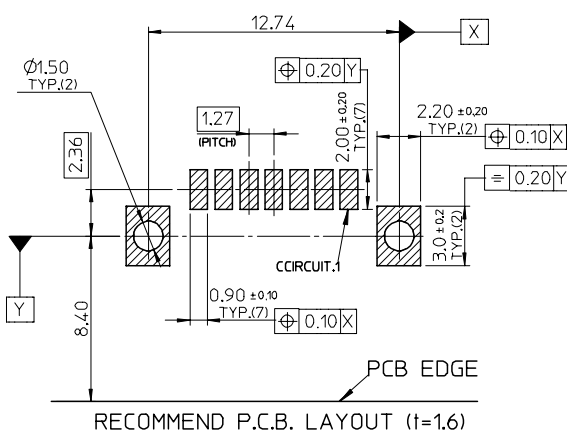
| P/N        | CONTACT AREA PLATING     | PACKAGE METHOD | REMARK   |
|------------|--------------------------|----------------|----------|
| 67490-1220 | GOLD FLASH               | WITHOUT MYLAR  | PURE TIN |
| 67490-1221 | 0.76 MICRONS GOLD PLATED | TRAY PACKAGE   |          |
| 67490-1225 | 0.38 MICRONS GOLD PLATED | PK-67490-001   |          |
| 67490-1230 | GOLD FLASH               | WITH MYLAR     |          |
| 67490-1231 | 0.76 MICRONS GOLD PLATED | TAPE REEL      |          |
| 67490-1235 | 0.38 MICRONS GOLD PLATED | PK-67490-000   |          |
| 67490-1240 | GOLD FLASH               | WITH MYLAR     |          |
| 67490-1241 | 0.76 MICRONS GOLD PLATED | TUBE PACKAGE   |          |
| 67490-1245 | 0.38 MICRONS GOLD PLATED | PK-67490-002   |          |



SECTION B-B  
SCALE 3:1

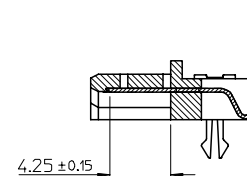
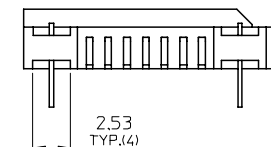
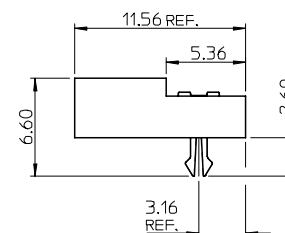


SECTION A-A  
SCALE 3:1

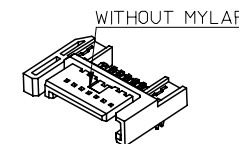
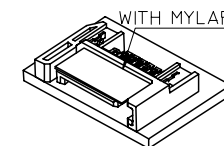


# NOTES:

- MATERIAL:  
HOUSING: HIGH TEMPERATURE THERMAL PLASTIC  
GLASS FILLED, UL94V-0, COLOR: BLACK  
TERMINAL/FORKLOCK: COPPER ALLOY  
MYLAR: ADHESIVE MYLAR 4.5MM X 15.5MM
- TERMINAL PLATING:  
CONTACT AREA: GOLD PLATED  
SOLDERING TAIL: 1.27 MICRONS MINIMUM TIN PLATED  
UNDER PLATE: NICKEL 1.27 MICRONS MINIMUM NICKEL PLATED
- FORKLOCK PLATING:  
1.27 MICRONS MINIMUM TIN PLATED OVERALL 1.27 MICRONS MINIMUM NICKEL UNDER-PLATED
- PACKAGING SPECIFICATION REFER TO TABLE
- PRODUCT SPECIFICATION REFER TO PS-67490-001
- MATING PART: 67538, 67489



SECTION C-C  
SCALE 3:1



|                                                                                                                      |     |             |                               |                                                            |  |                            |                                                |                                                                                                                                  |                        |                           |  |  |
|----------------------------------------------------------------------------------------------------------------------|-----|-------------|-------------------------------|------------------------------------------------------------|--|----------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------|--|--|
| OBSOLESCE PART<br>EC NO: SH2006-0566<br>DRWN: B8CHENZ6<br>CHKD: GRATE MA<br>APPR: INCHEM<br>2006/05/29<br>2006/05/30 |     | DESCRIPTION | QUALITY<br>SYMBOLS<br><br>▽=0 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |  | DIMENSION STYLE<br>MM ONLY |                                                | SCALE<br>4:1                                                                                                                     | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  |  |
|                                                                                                                      |     |             |                               |                                                            |  |                            |                                                |                                                                                                                                  |                        |                           |  |  |
|                                                                                                                      |     |             |                               | DRAWN BY                                                   |  | DATE                       | TITLE<br>SATA SYSTEM PLUG<br>R/A STANDARD TYPE |                                                                                                                                  |                        |                           |  |  |
|                                                                                                                      |     |             |                               | RICHARD                                                    |  | '01/08/08                  |                                                |                                                                                                                                  |                        |                           |  |  |
|                                                                                                                      |     |             |                               | CHECKED BY                                                 |  | DATE                       | MOLEX INCORPORATED                             |                                                                                                                                  |                        |                           |  |  |
|                                                                                                                      |     |             |                               | VINCENT                                                    |  | '01/08/08                  |                                                |                                                                                                                                  |                        |                           |  |  |
|                                                                                                                      |     |             |                               | APPROVED BY                                                |  | DATE                       | SD-67490-002                                   |                                                                                                                                  |                        |                           |  |  |
|                                                                                                                      |     |             |                               | ERICK                                                      |  | '01/08/08                  |                                                |                                                                                                                                  |                        |                           |  |  |
|                                                                                                                      |     |             |                               | MATERIAL NO.                                               |  | SHEET NO.<br>1 OF 1        |                                                |                                                                                                                                  |                        |                           |  |  |
|                                                                                                                      |     |             |                               | SEE TABLE                                                  |  |                            |                                                |                                                                                                                                  |                        |                           |  |  |
| D                                                                                                                    | 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 |                        |                           |  |  |



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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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