

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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](#) [Product Specification PS-67490-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [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	<u>serial_ata_products</u>
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

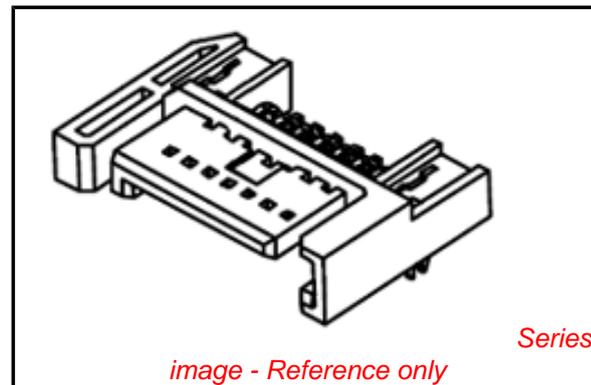


image - Reference only

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
 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
Product Specification
Sales Drawing

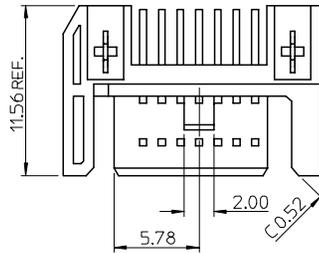
PK-67490-001
PS-67490-001
SD-67490-002

This document was generated on 05/25/2010

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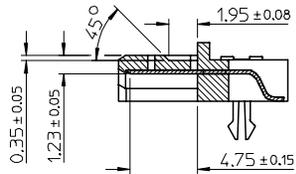
P/N	CONTACT AREA PLATEING	PACKAGE METHOD	REMARK
67490-1220	GOLD FLASH	WITHOUT MYLAR	PURE TIN
67490-1221	0.76 MICRONS GOLD PLATED	TRAY PACKAGE	
67490-1225	0.38 MICRONS GOLD PLATED	PK-67490-001	
67490-1230	GOLD FLASH	WITH MYLAR	
67490-1231	0.76 MICRONS GOLD PLATED	TAPE REEL	
67490-1235	0.38 MICRONS GOLD 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	

▽

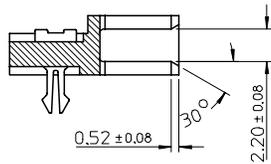


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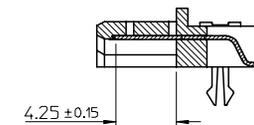
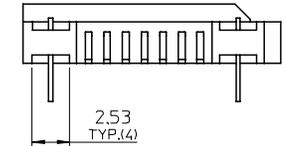
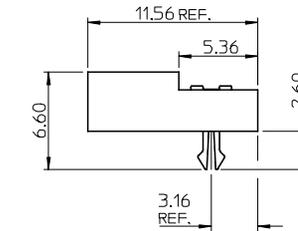
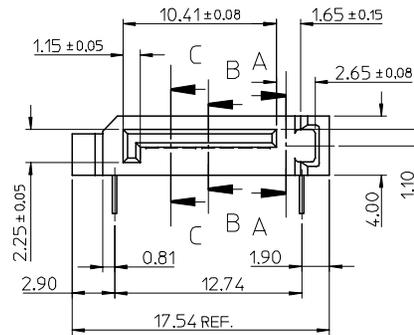
- MATERIAL:
HOUSING: HIGH TEMPERATURE THERMAL PLASTIC
GLASS FILLED, UL94V-0, COLOR: BLACK
TERMINAL/FORKLOCK: COPPER ALLOY
MYLAR: ADHENSIVE MYLAR 4.5MM X 15.5MM
- TERMINAL PLATING:
CONTACT AREA: GOLD PLATED
SOLDERING TAIL: 1.27 MICRONS MINIMUM TIN PLATED
UNDER PLATE: NICKEL 1.27 MICRONS MINIMUM NICKEL 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



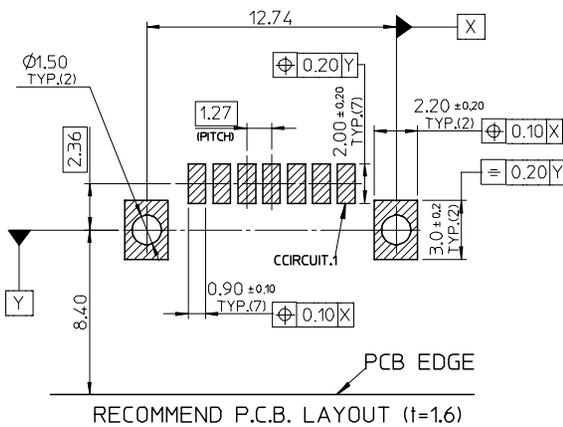
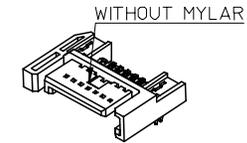
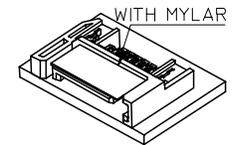
SECTION B-B
SCALE 3:1



SECTION A-A
SCALE 3:1



SECTION C-C
SCALE 3:1



OBSCOLESC PART	QUALITY SYMBOLS
EC NO: SH2006-0566	▽=0
DRWN: BCHENZ6 2006/05/29	▽=0
CHKD: GRATE MA 2006/05/29	
APPR: INCHEM 2006/05/30	
DESCRIPTION	
REV	

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± ---	± ---
3 PLACES ± ---	± ---
2 PLACES ± 0.15	± ---
1 PLACE ± 0.25	± ---
ANGULAR ± 3°	

DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
RICHARD	'01/08/08
CHECKED BY	DATE
VINCENT	'01/08/08
APPROVED BY	DATE
ERICK	'01/08/08
MATERIAL NO.	DOCUMENT NO.
SEE TABLE	SD-67490-002
SIZE	
A3	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
4:1	METRIC	◎ ▽
TITLE		
SATA SYSTEM PLUG R/A STANDARD TYPE		
MOLEX INCORPORATED		
DOCUMENT NO.		SHEET NO.
SD-67490-002		1 OF 1

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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