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Part Number: **0470801020**
Status: **Active**
Description: 1.27mm (.050") Pitch Serial ATA Shrouded Signal Plug, Surface Mount, 7 Circuits, with Peg and Locking Latch, Color Black, 0.76µm (30µ") Gold (Au) Plating, Matte Tin, Lead-free

Documents:

[3D Model](#) [Product Specification PS-67490-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR 19980
 UL E29179

General

Product Family PCB Headers
 Series [47080](#)
 Application Board-to-Board, Wire-to-Board
 Product Name Serial ATA

Physical

Breakaway No
 Circuits (Loaded) 7
 Circuits (maximum) 7
 Durability (mating cycles max) 500
 First Mate / Last Break Yes
 Flammability 94V-0
 Glow-Wire Compliant No
 Lock to Mating Part Yes
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Number of Rows 1
 Orientation Right Angle
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness Recommended (in) 0.062 In
 PCB Thickness Recommended (mm) 1.60 mm
 Packaging Type Embossed Tape on Reel
 Pitch - Mating Interface (in) 0.050 In
 Pitch - Mating Interface (mm) 1.27 mm
 Polarized to Mating Part Yes
 Polarized to PCB Yes
 Termination Interface: Style Surface Mount

Electrical

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

Material Info

Reference - Drawing Numbers

Packaging Specification PK-47080-001
 Product Specification PS-67490-001, RPS-67490-002
 Sales Drawing SD-47080-001

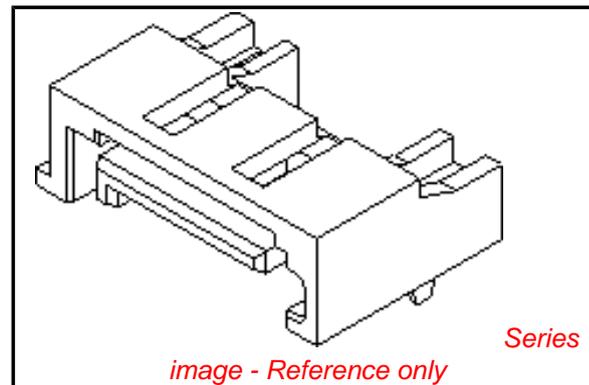


image - Reference only

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

[47080Series](#)

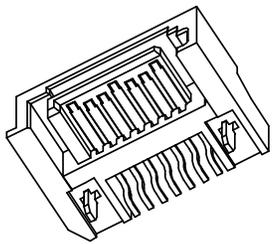
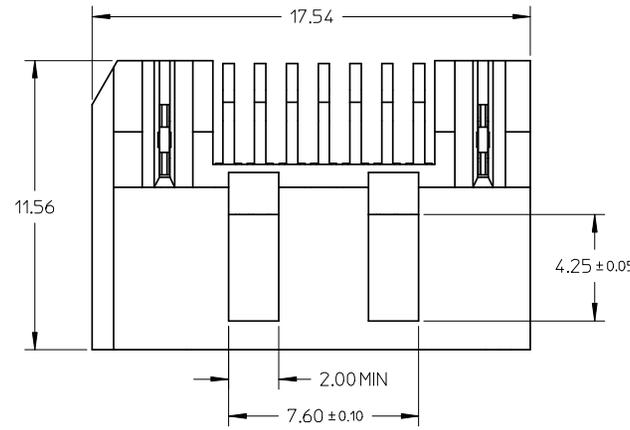
Mates With

[67489](#) , [88750-5310](#) , [88750-5318](#) ,
[88750-5410](#) , [88750-54 18](#)

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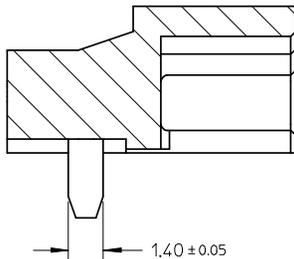
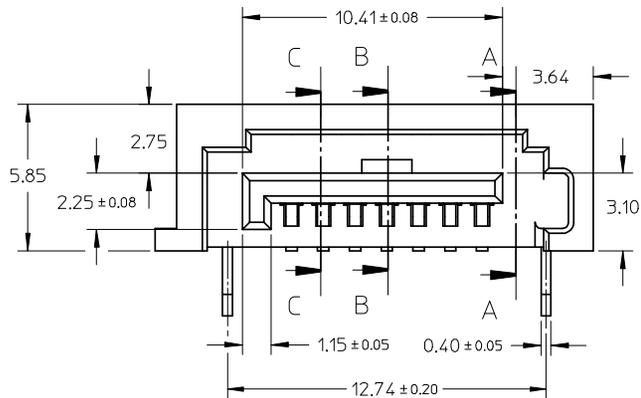
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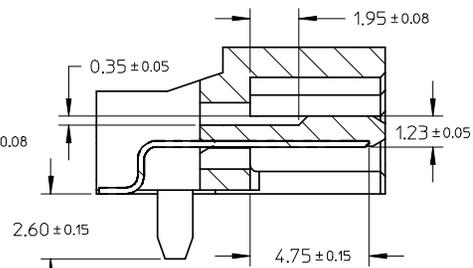
- NOTES:
- MATERIAL:
HOUSING: HIGH TEMPERATURE PLASTIC, GLASS FILLED, UL94V-0, COLOR: SEE CHART;
TERMINAL/PEG: COPPER ALLOY;
MYLAR: ADHESIVE TAPE.
 - TERMINAL AND PEG PLATING:
CONTACT AREA: GOLD PLATED ON 1.25 MICRONS MINIMUM NICKEL UNDER PLATE, REFERRED TO PLATING TYPE LIST IN TABLE;
SOLDER AREA: 1.27 MICRONS PURE TIN PLATED ON 1.25 MICRONS MINIMUM NICKEL UNDER PLATE, REFERRED TO REMARK IN TABLE.
 - PRODUCT SPECIFICATION REFER TO PS-67490-001.
 - MATING PART: 67489.
 - PRODUCT COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV 2000/53/EC.

E

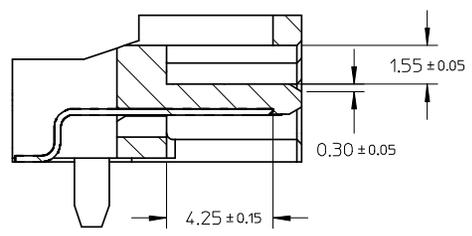
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SECTION A-A



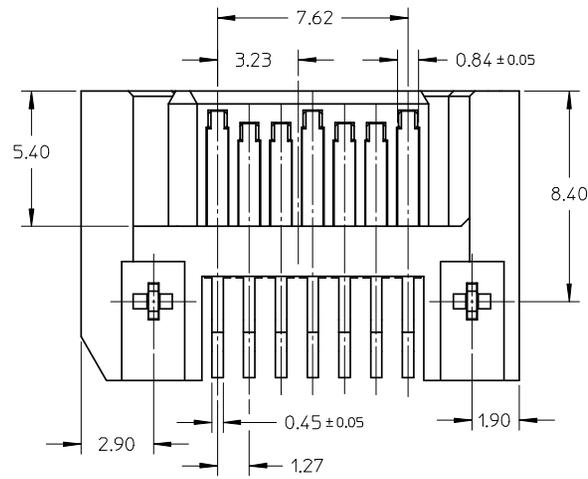
SECTION B-B



SECTION C-C

C

B



A

UPDATE DRAWING EC NO: SHZ009-0041 DRWNL:SONG 2008/08/06 CHKD:XJ.SONG 2008/08/07 APPR:HWANG 2008/08/26	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 1°	DIMENSION STYLE MM ONLY DRAWN BY DATE GRATE MA 2004/06/14 CHECKED BY DATE GRATE MA 2004/06/14 APPROVED BY DATE VINCENT 2004/06/14 MATERIAL NO.	SCALE 1:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE SATA SYSTEM PLUG PEG INSERT TYPE WITH SHROUD	MOLEX INCORPORATED DOCUMENT NO. SD-47080-001 SHEET NO. 1 OF 2
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE SHEET 2	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

