

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0470804005

Status:

Active

Overview:

serial_ata_signal_plugs

Description:

1.27mm (.050") Pitch Serial ATA Shrouded Signal Plug, Surface Mount, 7 Circuits, with Peg and Locking Latch, Color Black, 0.38µm (15µ") Gold (Au) Plating, 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
Overview	serial_ata_signal_plugs
Product Name	Serial ATA
Physical	
Breakaway	No
Circuits (Loaded)	7
Circuits (maximum)	7
Durability (mating cycles max)	500
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
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
Plating min: Mating (µin)	15
Plating min: Mating (µm)	0.38
Polarized to Mating Part	Yes
Polarized to PCB	Yes
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
Solder Process Data	

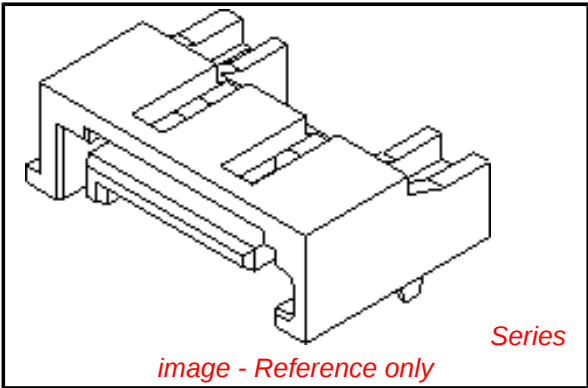


image - Reference only

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 Serial ATA Signal Connect. ATA Straight to Straight Signal Cable Assembly 887505310 , 887505318 , 887505410 , 887505418

Lead-free Process Capability
Process Temperature max. C

Reflow Capable (SMT only)
230

Material Info

Reference - Drawing Numbers

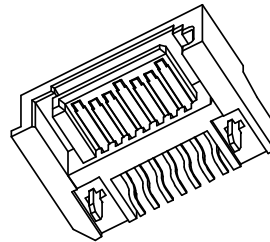
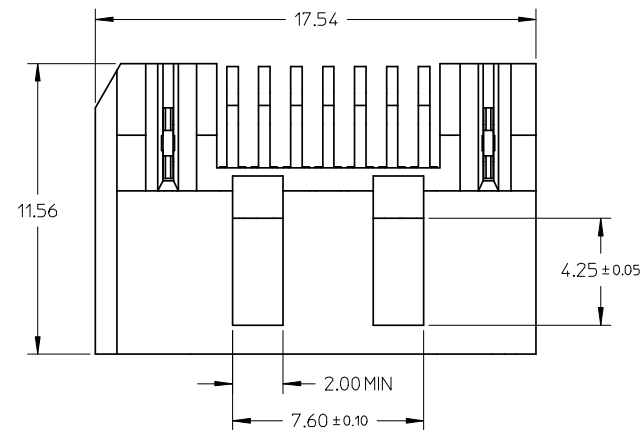
Packaging Specification
Product Specification
Sales Drawing

PK-47080-001
PS-67490-001, RPS-67490-002
SD-47080-001

This document was generated on 05/26/2010

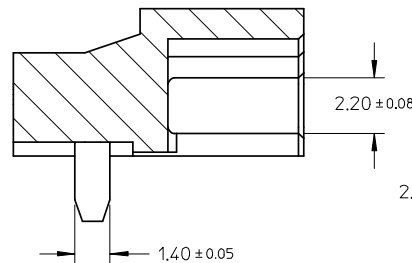
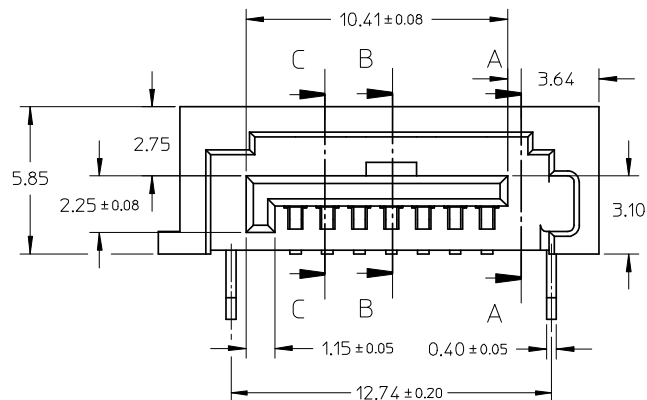
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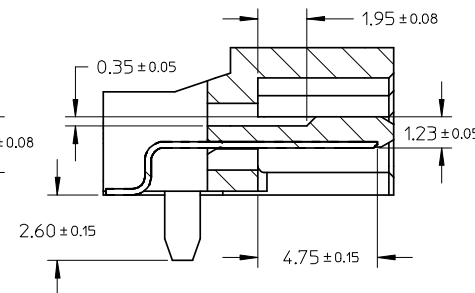


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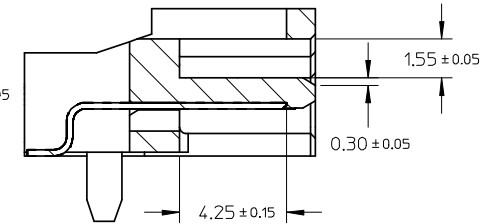
1. MATERIAL:
HOUSING: HIGH TEMPERATURE PLASTIC, GLASS FILLED, UL94V-0, COLOR: SEE CHART;
TERMINAL/PEG: COPPER ALLOY;
MYLAR: ADHENSIVE TAPE.
2. TERMINAL AND PEG PLATING:
CONTACT AREA: GOLD PLATED ON 1.25 MICRONS MINIMUM NICKEL UNDER PLATE,
REFERRED TO PLATING TYPE LIST IN TABLE;
SOLDER AREA: 1.27 MICRONS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



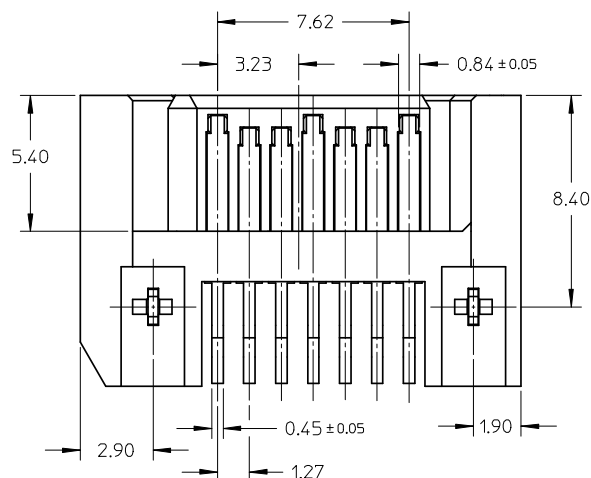
SECTION A-A



SECTION B-B



SECTION C-C



UPDATE DRAWING EC NO: SH2009-0041 T: DRWNL: SONG09 2008/08/06 CHKD: X: SONG 2008/08/07 APPR: HWANG 2008/08/26	QUALITY SYMBOLS ▽=0 ▽C=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION					
REV					DRAWN BY DATE		TITLE SATA SYSTEM PLUG PEG INSERT TYPE WITH SHROUD							
			4 PLACES ± --- ± ---		GRATE MA 2004/06/14									
			3 PLACES ± --- ± ---		CHECKED BY DATE									
			2 PLACES ± 0.15 ± ---		GRATE MA 2004/06/14									
			1 PLACE ± 0.25 ± ---		APPROVED BY DATE		 MOLEX INCORPORATED							
			ANGULAR ± 1 °		VINCENT 2004/06/14									
					MATERIAL NO.					DOCUMENT NO.		SHEET NO.		
					SEE SHEET 2					SD-47080-001		1 OF 2		
					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					

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