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Part Number:

0470804002

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, 0.76µm (30µ") Gold (Au) Plating, Lead-free

Documents:

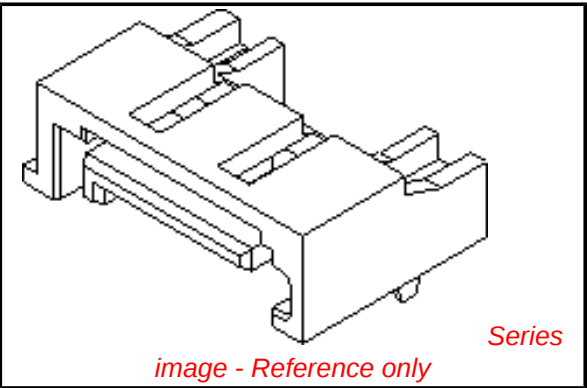
3D Model

Drawing (PDF)

Product Specification PS-67490-001 (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	
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		
Duration at Max. Process Temperature (seconds)	10	
Lead-free Process Capability	Reflow Capable (SMT 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

Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	255

Material Info

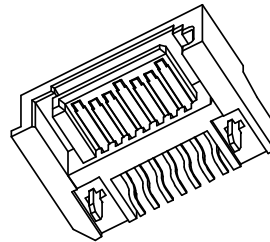
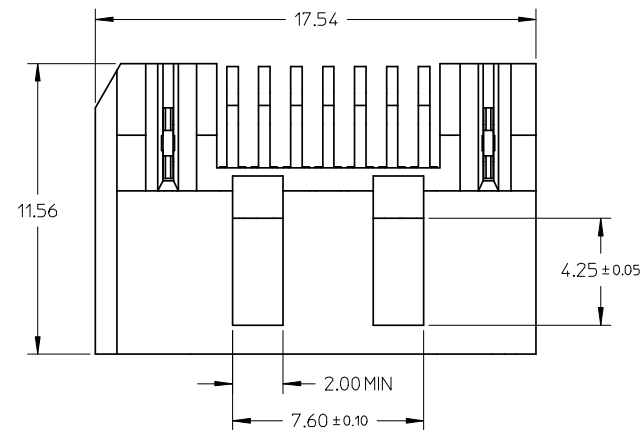
Reference - Drawing Numbers

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

This document was generated on 05/26/2010

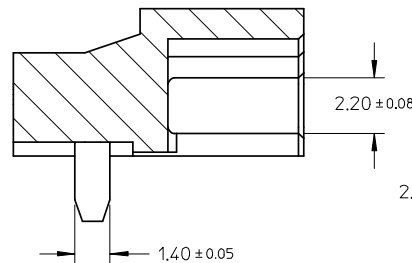
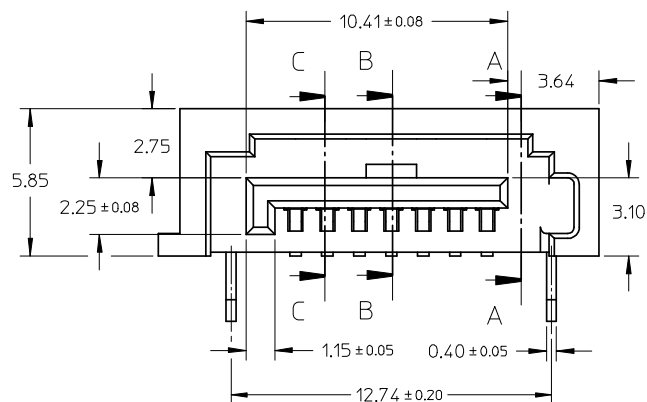
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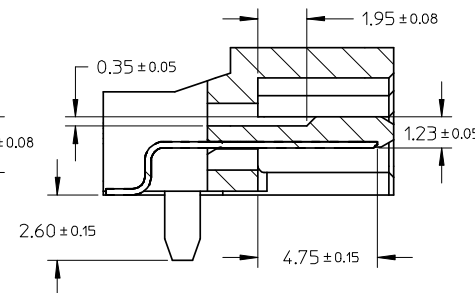


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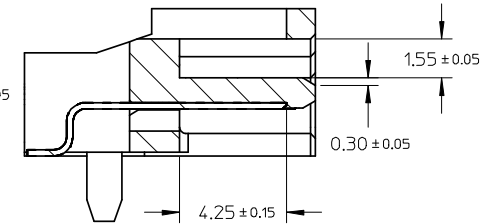
1. MATERIAL:
HOUSING: HIGH TEMPERATURE PLASTIC, GLASS FILLED, UL94V-0, COLOR: SEE CHART;
TERMINAL/PEG: COPPER ALLOY;
MYLAR: ADHENSIVE TAPE.
2. TERMINAL AND PEG PLATING:
CONTACT AREA: GOLD PLATED ON 1.25 MICRONS MINIMUM NICKEL UNDER PLATE,
REFERRED TO PLATING TYPE LIST IN TABLE;
SOLDER AREA: 1.27 MICRONS 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.



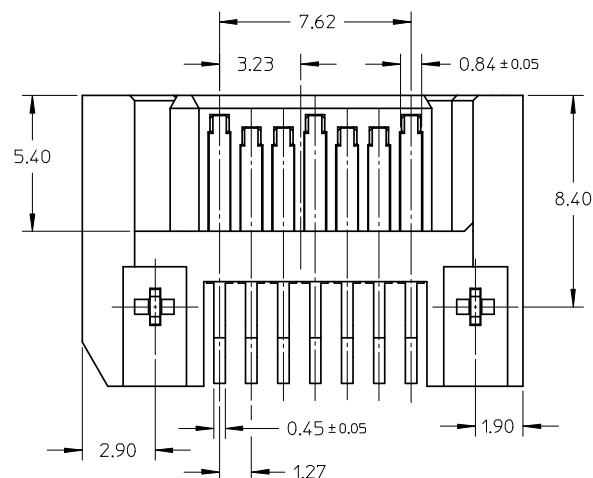
SECTION A-A



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 REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY GRATE MA	DATE 2004/06/14	TITLE SATA SYSTEM PLUG PEG INSERT TYPE WITH SHROUD			
			4 PLACES	± ---	± ---	CHECKED BY	DATE				
			3 PLACES	± ---	± ---	GRATE MA	2004/06/14				
			2 PLACES	± 0.15	± ---	APPROVED BY	DATE				
			1 PLACE	± 0.25	± ---	VINCENT	2004/06/14	MOLEX MOLEX INCORPORATED			
			ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO.			SHEET NO. 1 OF 2	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 2		SD-47080-001				
					SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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