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Part Number:

0471554001

Status:

Active

Overview:

serial_ata_signal_plugs

Description:

1.27mm (.050") Pitch Serial ATA High Speed Header, Vertical, Through Hole, with Locking Latch, 7 Circuits, Gold (Au) Flash, for 1.60mm (.063") PCB, Tail Length 2.10mm (.083"), Black, Footprint A, with PCB Locator Pegs, Lead-free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-67490-001 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Headers
Series	47155
Application	Board-to-Board, Wire-to-Board
Comments	Footprint A
MolexKits	Yes
Overview	serial_ata_signal_plugs
Product Name	Serial ATA

Physical

Breakaway	No
Circuits (Loaded)	7
Circuits (maximum)	7
Color - Resin	Black
Durability (mating cycles max)	500
First Mate / Last Break	Yes
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.083 In
PC Tail Length (mm)	2.10 mm
PCB Locator	Yes
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
Plating min: Mating (µin)	2
Plating min: Mating (µm)	0.05
Plating min: Termination (µin)	76
Plating min: Termination (µm)	1.9
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-35°C to +85°C

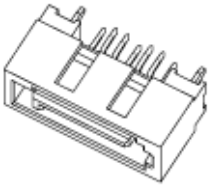


image - Reference onlySeries

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not 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

47155Series

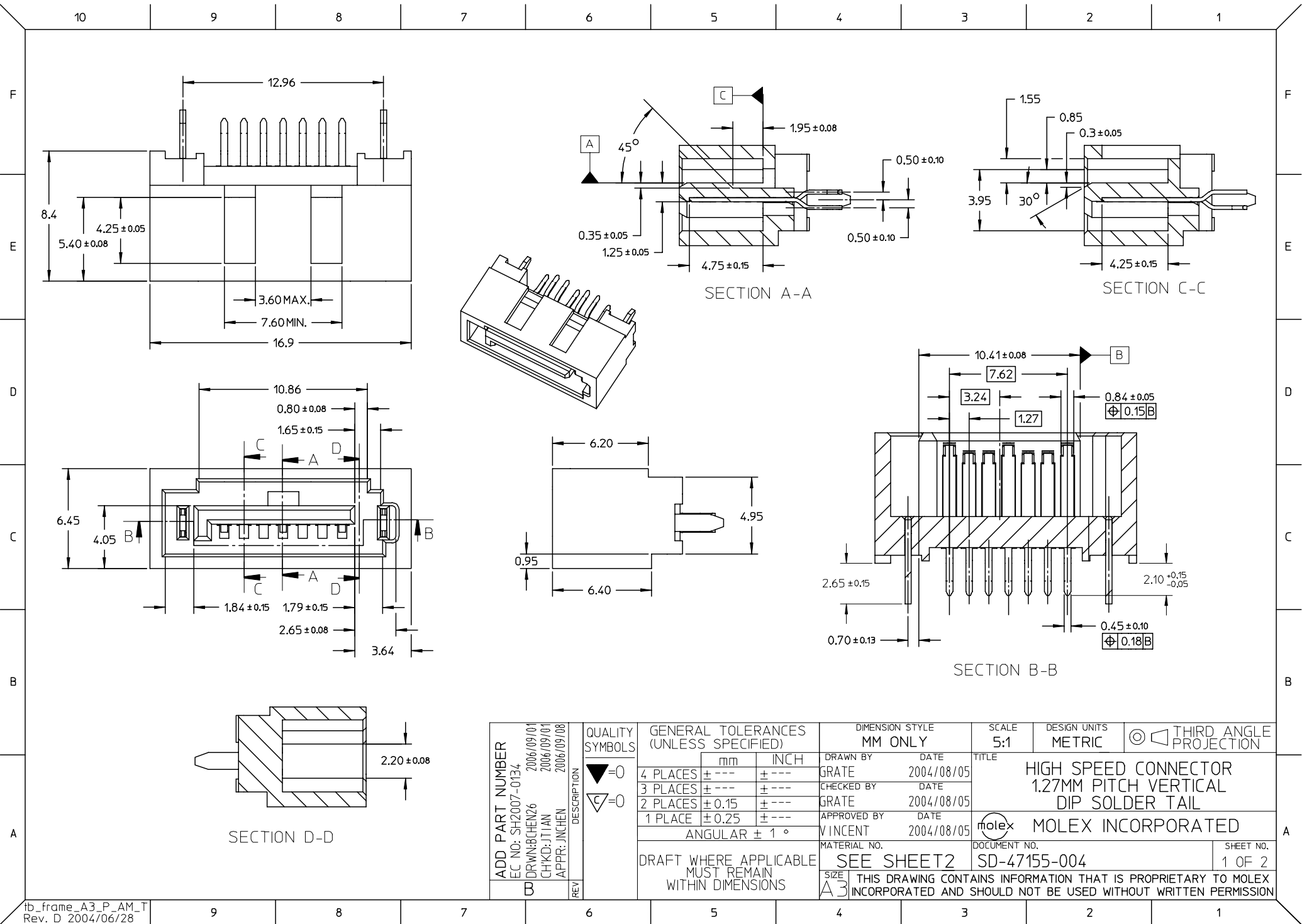
Mates With

67489 Serial ATA Signal Connector

Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	1.5A
Voltage - Maximum	15V
Solder Process Data	
Lead-free Process Capability	Wave Capable (TH only)
Process Temperature max. C	230
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-67800-002
Product Specification	PS-67490-001, RPS-67490-002
Sales Drawing	SD-47155-004

This document was generated on 06/07/2010

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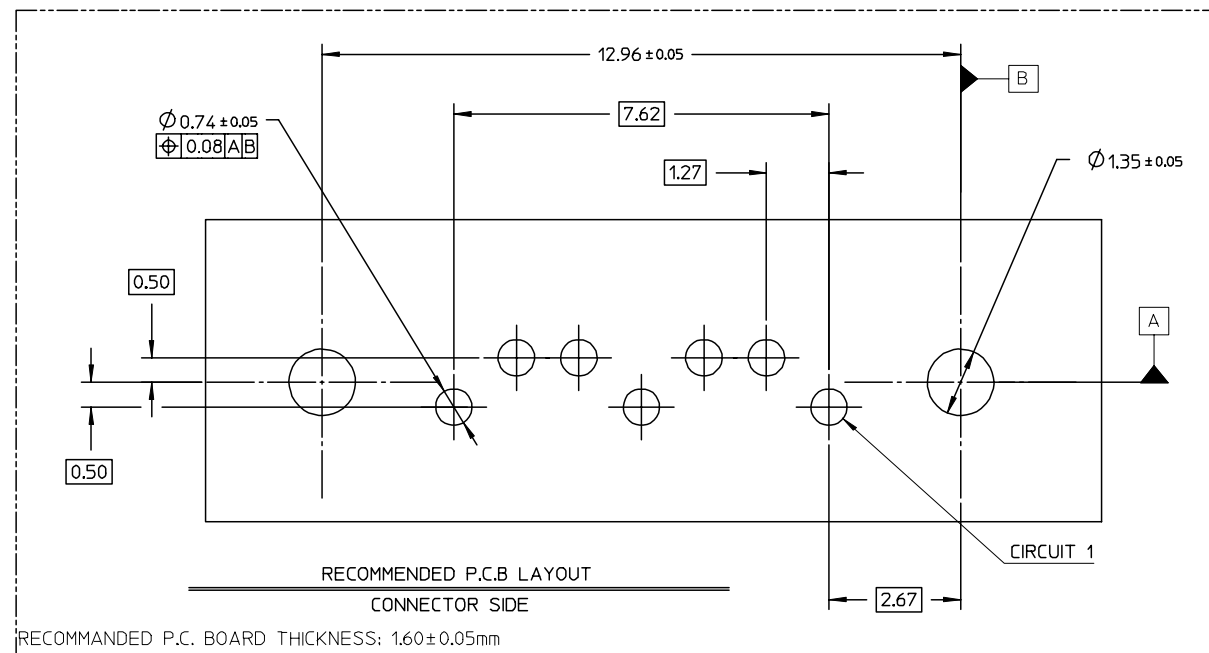
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NOTES:

1. MATERIAL:

HOUSING: THERMAL PLASTIC, COLOR: SEE CHART

GLASS FILLED: UL94V-0

TERMINAL/PEG: BRASS

2. TERMINAL PLATING:

CONTACT AREA: GOLD FLASH

SOLDER TAIL:

TIN PLATED 1.27 MICRON MINIMUM OVER

1.27 MICRON MINIMUM NICKEL UNDER PLATE

3. PEG PLATING:

TIN PLATED 1.8 MICRON MINIMUM OVER

1.27 MICRON MINIMUM NICKEL UNDER PLATE

4. PACKAGING: PK-67800-002

5. PRODUCT SPECIFICATION REFER TO PS-67490-001

6. RECOMMENDED PROCESS: WAVE SOLDERING

7. PRODUCT COMPLIANT TO RoHS DIRECTIVE 2002/95/EC
AND ELV DIRECTIVE 2000/53/EC*

B

471554061	SEE NOTE2	IVORY
471554051	SEE NOTE2	LIGHT BLUE
471554041	SEE NOTE2	NATURE COLOR
471554031	SEE NOTE2	PROCESS BLUE C DELTA E<3
471554001	SEE NOTE2	BLACK
MATERIAL NUMBER	PLATING TYPE	PLASTIC COLOR



ADD PART NUMBER EC NO: SH2007-0134 2006/09/01 DRWN: BCHEN26 CHKD: JTIAN 2006/09/01 APPR: JNCHEN 2006/09/08	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 DATE		TITLE HIGH SPEED CONNECTOR 1.27MM PITCH VERTICAL DIP SOLDER TAIL MOLEX INCORPORATED		
				4 PLACES	± ---	± ---	GRATE	2004/08/05			
				3 PLACES	± ---	± ---	CHECKED BY	DATE			
				2 PLACES	± 0.15	± ---	GRATE	2004/08/05			
				1 PLACE	± 0.25	± ---	APPROVED BY VINCENT	DATE 2004/08/05			
ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-47155-004		2 OF 2					
SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

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