

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **0476571000**  
**Status:** **Active**  
**Overview:** slimline serial ata odd connectors  
**Description:** 1.27mm (.050") Pitch Removeable Slimline Serial ATA Receptacle for Optical Disk Drive, Right Angle, Bottom Mount, Gold (Au) Flash Plating, Leadfree

**Documents:**

[3D Model](#) [Product Specification PS-47657-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family PCB Receptacles  
Series 47657  
Application Board-to-Board  
Overview slimline serial ata odd connectors  
Product Name Serial ATA, Slimline Serial ATA

**Physical**

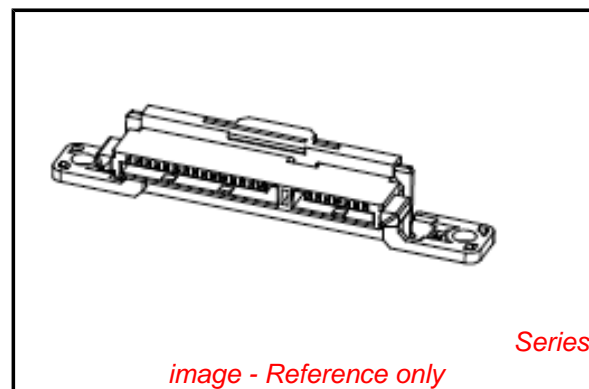
Circuits (Loaded) 22  
Circuits (maximum) 22  
Color - Resin Black  
Durability (mating cycles max) 500  
Glow-Wire Compliant No  
Guide to Mating Part Yes  
Keying to Mating Part Yes  
Lock to Mating Part Yes  
Material - Metal Copper Alloy  
Material - Plating Mating Gold  
Material - Resin High Temperature Thermoplastic  
Number of Rows 1  
Orientation Right Angle  
PCB Locator No  
PCB Retention Yes  
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) 2  
Plating min: Mating (µm) 0.05  
Polarized to Mating Part Yes  
Polarized to PCB Yes  
Robotic Placement Pick and Place Cap  
Stackable No  
Surface Mount Compatible (SMC) Yes  
Temperature Range - Operating -35°C to +85°C  
Termination Interface: Style Screw or Lug

**Electrical**

Current - Maximum per Contact 1.5A  
Grounding to PCB Yes  
Voltage - Maximum 15V DC

**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 Halogen-Free**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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.

**China RoHS**



**Search Parts in this Series**

47657Series

**Mates With**

476572000 Header

Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

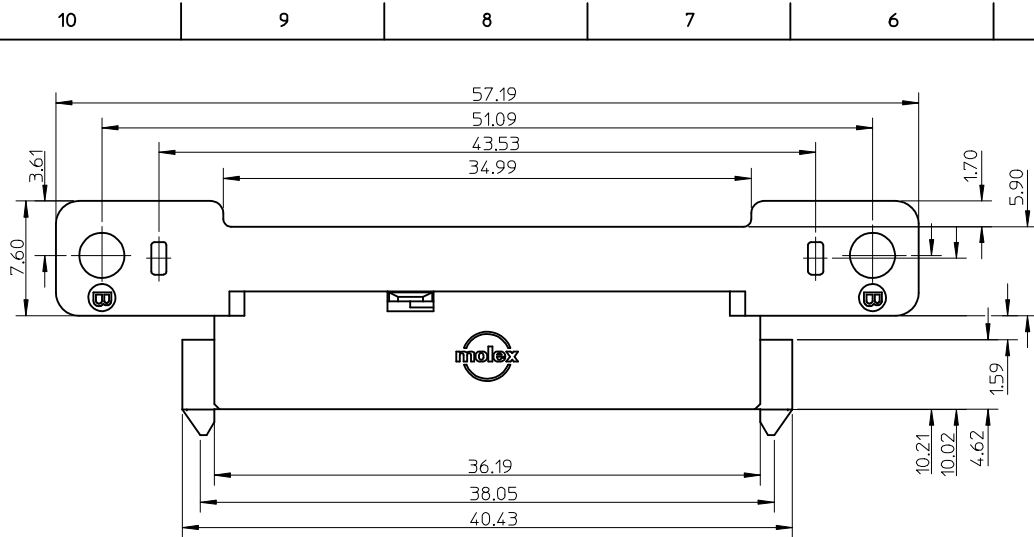
### **Material Info**

### **Reference - Drawing Numbers**

Packaging Specification	PK-47657-001
Product Specification	PS-47657-001
Sales Drawing	SD-47657-100

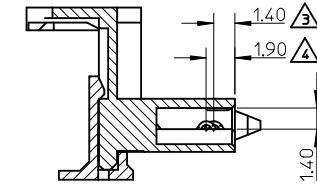
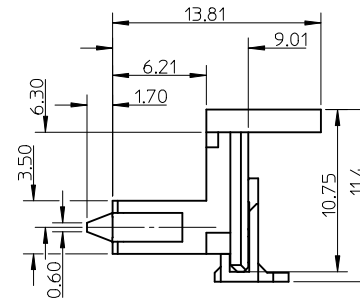
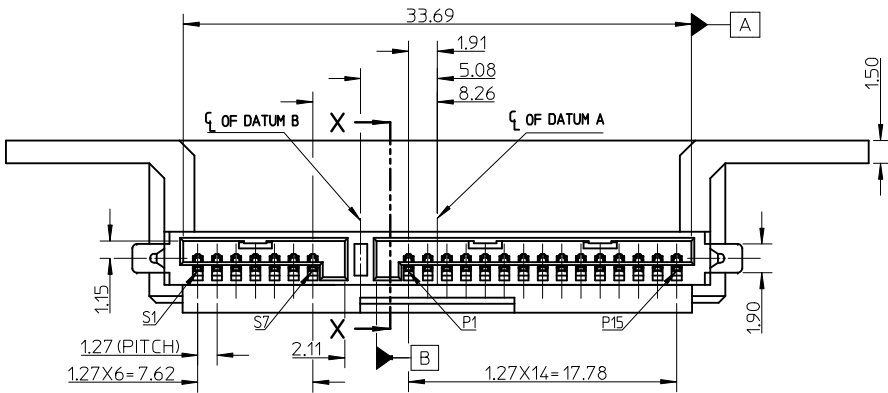
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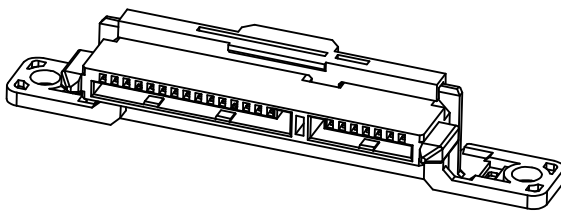


NOTES :

- MATERIAL:  
HOUSING: LCP, UL94V-0, BLACK  
TERMINAL: COPPER ALLOY
- PLATING:  
TERMINAL:  
CONTACT AREA: GOLD PLATING, DETAIL REFER TO CHART.  
UNDERPLATING: NICKEL PLATING 1.25 MICRONS MIN.
- FOR P4 AND P12 PIN.
- FOR ALL OTHER PINS EXCEPT FOR P2 AND P12.
- PACKAGE: TRAY, PK-47657-100.
- PRODUCT SPEC: PS-47657-001.
- SCREW TORQUE SPEC: 2.0 kgf.cm REF.
- THE PRODUCT COMPLIANT TO RoHS DIRECTIVES 2002/95/EC AND ELV 2000/53/EC.



SECTION X-X



P/N	GOLD PLATING SPEC
47657-1200	0.76 MICRONS MIN
47657-1100	0.38 MICRONS MIN
47657-1000	Au FLASH

ib\_frame\_A3\_P\_AM\_T  
Rev. E 2006/04/15

NEW RELEASE  
EC NO: SH2009-0626  
DRW:GLLI 2009/07/24  
CHKD:XJ.SONG 2009/07/24  
APPR:RZHANG 2009/08/05

REV	DESCRIPTION
A	

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)
▽=0	
▽C=0	
	4 PLACES ± --- ± ---
	3 PLACES ± --- ± ---
	2 PLACES ± 0.15 ± ---
	1 PLACE ± 0.25 ± ---
	ANGULAR ± 3 °
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM ONLY		4:1	METRIC	
DRAWN BY	DATE	TITLE		
DIXON LI	2008/07/02	REMOVABLE SATA RECEPTACLE CONNECTOR BOTTOM MOUNT TYPE		
CHECKED BY	DATE	MOLEX INCORPORATED		
STARY SONG	2008/07/02	DOCUMENT NO. SD-47657-100		
APPROVED BY	DATE	SHEET NO. 1 OF 1		
HARVEY WANG	2008/07/02			
MATERIAL NO.	47657-1000			

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