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Part Number: [0470182001](#)
Status: **Active**
Description: 1.27mm (.050") Pitch Serial ATA Host Receptacle, Mating Height 4.30mm (.169"), 0.76µm (30µ") Gold (Au) Plating, Light Tin Solder Area, Surface Mount, Right Angle, Top Mount Type, 22 Circuits, Lead Free

Documents:	
3D Model	Product Specification PS-67492-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR 19980
UL	E29179

General

Product Family	PCB Receptacles
Series	47018
Application	Board-to-Board
Comments	Top Mount Type
Product Name	Serial ATA

Physical

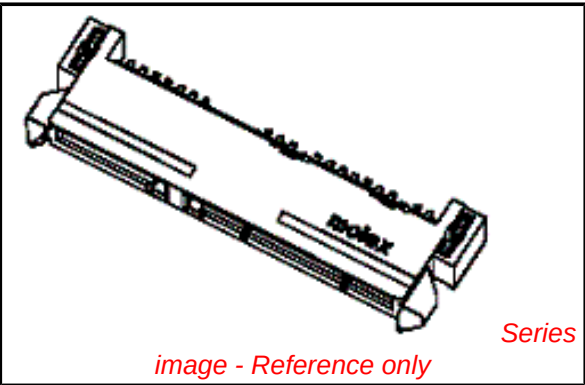
Circuits (Loaded)	22
Color - Resin	Black
Durability (mating cycles max)	500
Flammability	94V-0
Glow-Wire Compliant	No
Keying to Mating Part	Yes
Lock to Mating Part	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Number of Rows	1
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	80
Plating min: Termination (µm)	2.00
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Surface Mount Compatible (SMC)	N/A
Temperature Range - Operating	-35°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

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

Solder Process Data

Lead-free Process Capability	Reflow Capable (SMT only)
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EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**Halogen-Free
Status**

Not Reviewed

**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.

China RoHS



Search Parts in this Series
[47018Series](#)

Mates With
[87703-0001](#)

Process Temperature max. C

230

Material Info

Reference - Drawing Numbers

Packaging Specification

PK-67492-001

Product Specification

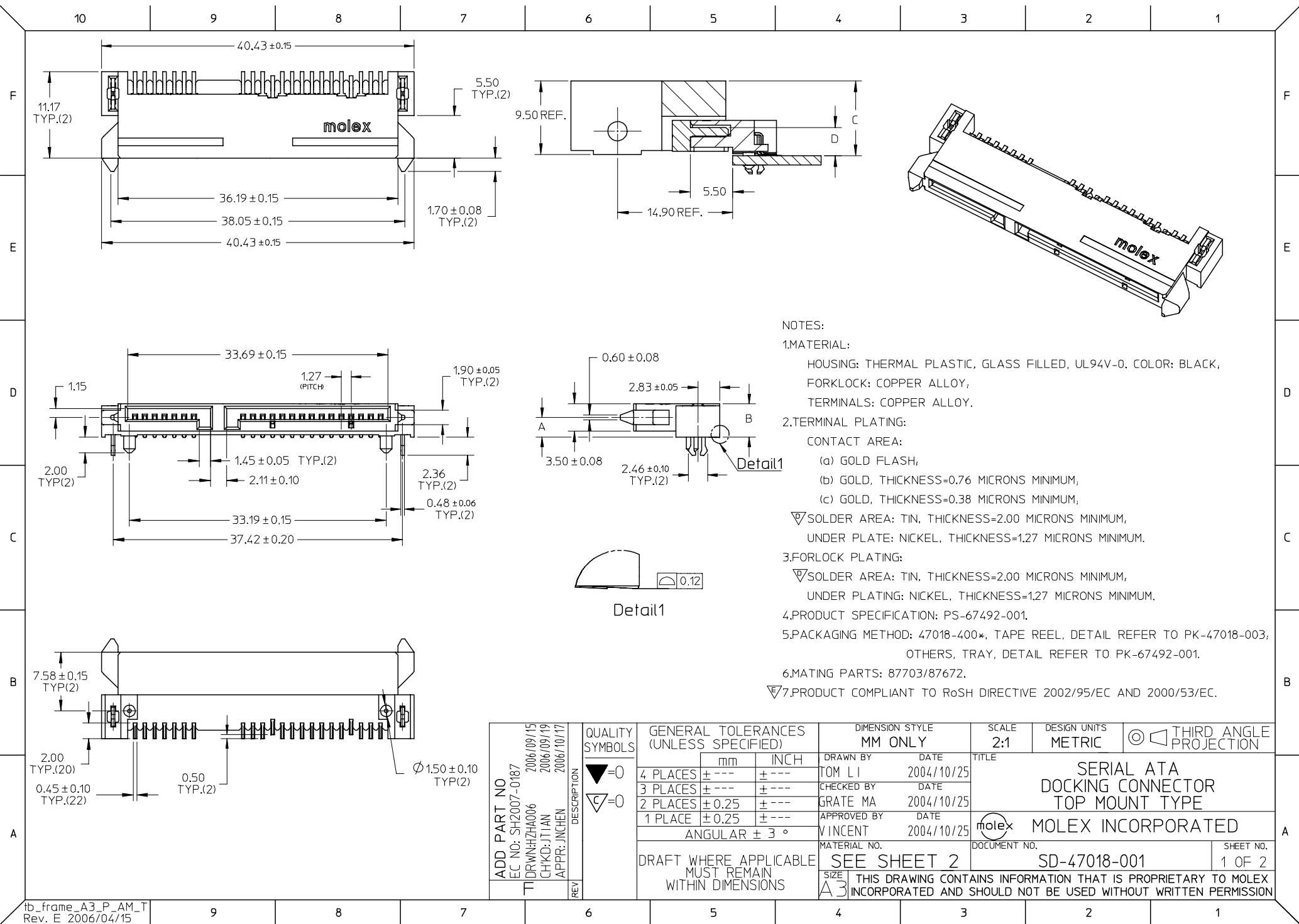
PS-67492-001

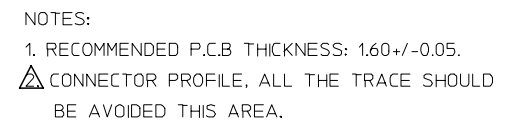
Sales Drawing

SD-47018-001

This document was generated on 05/04/2010

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ONLY FOR 47018-400*

PRODUCT	CONTACT PLATING SPEC	DIM'A'	DIM'B'	DIM'C'	DIM'D'	PACKAGE	REMARK
47018-4000	NOTES 2 (A) OF SHEET 1	3.40	5.15	10.50	4.50	TAPE REEL	PURE TIN (LIGHT TIN) WITH CAP
47018-4001	NOTES 2 (B) OF SHEET 1						
47018-4002	NOTES 2 (C) OF SHEET 1						
47018-3000	NOTES 2 (A) OF SHEET 1	2.95	4.70	10.05	4.05	TRAY	PURE TIN (LIGHT TIN)
47018-3001	NOTES 2 (B) OF SHEET 1						
47018-3002	NOTES 2 (C) OF SHEET 1						
47018-2010	NOTES 2 (A) OF SHEET 1	2.55	4.30	9.65	3.65	TRAY	PURE TIN (MATTE TIN)
47018-2011	NOTES 2 (B) OF SHEET 1						
47018-2012	NOTES 2 (C) OF SHEET 1						
47018-2000	NOTES 2 (A) OF SHEET 1	2.55	4.30	9.65	3.65	TRAY	PURE TIN (LIGHT TIN)
47018-2001	NOTES 2 (B) OF SHEET 1						
47018-2002	NOTES 2 (C) OF SHEET 1						

ADD PART NO EC NO: SH2007-0187 DRAWN: ZHAO06 CHKD: JIAN APPR: JINCHEN 2006/09/15 2006/09/19 2006/10/17	DESCRIPTION	QUALITY SYMBOLS ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY TOM LI	DATE 2004/10/25	TITLE SERIAL ATA DOCKING CONNECTOR TOP MOUNT TYPE					
			4 PLACES	± ---	± ---	CHECKED BY GRATE MA	DATE 2004/10/25						
			3 PLACES	± ---	± ---	APPROVED BY VINCENT		DATE 2004/10/25	MOLEX INCORPORATED				
			2 PLACES	± 0.25	± ---								
			1 PLACE	± 0.25	± ---								
			ANGULAR ± 3 °			MATERIAL NO.		DOCUMENT NO.			SHEET NO.		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE			SD-47018-001			2 OF 2				
REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												