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Part Number: [0470183002](#)
Status: **Active**
Description: 1.27mm (.050") Pitch Serial ATA Host Receptacle, Mating Height 4.70mm (.185"), 0.38µm (15µ") Gold (Au) Plating, Light Tin Solder Area, SurfaceMount, 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

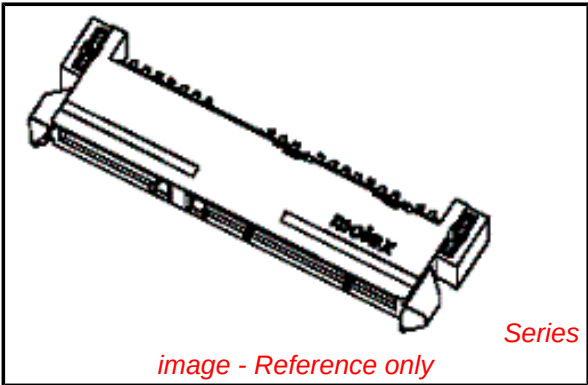
Circuits (Loaded) 22
Color - Resin Black
Durability (mating cycles max) 500
Flammability 94V-0
Glow-Wire Compliant No
Keying to Mating Part Yes
Lock to Mating Part None
Material - Metal Copper Alloy
Material - Plating Mating Gold
Material - Plating Termination Tin
Number of Rows 1
Orientation Right Angle
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) 15
Plating min: Mating (µm) 0.38
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)



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. C230

Material Info

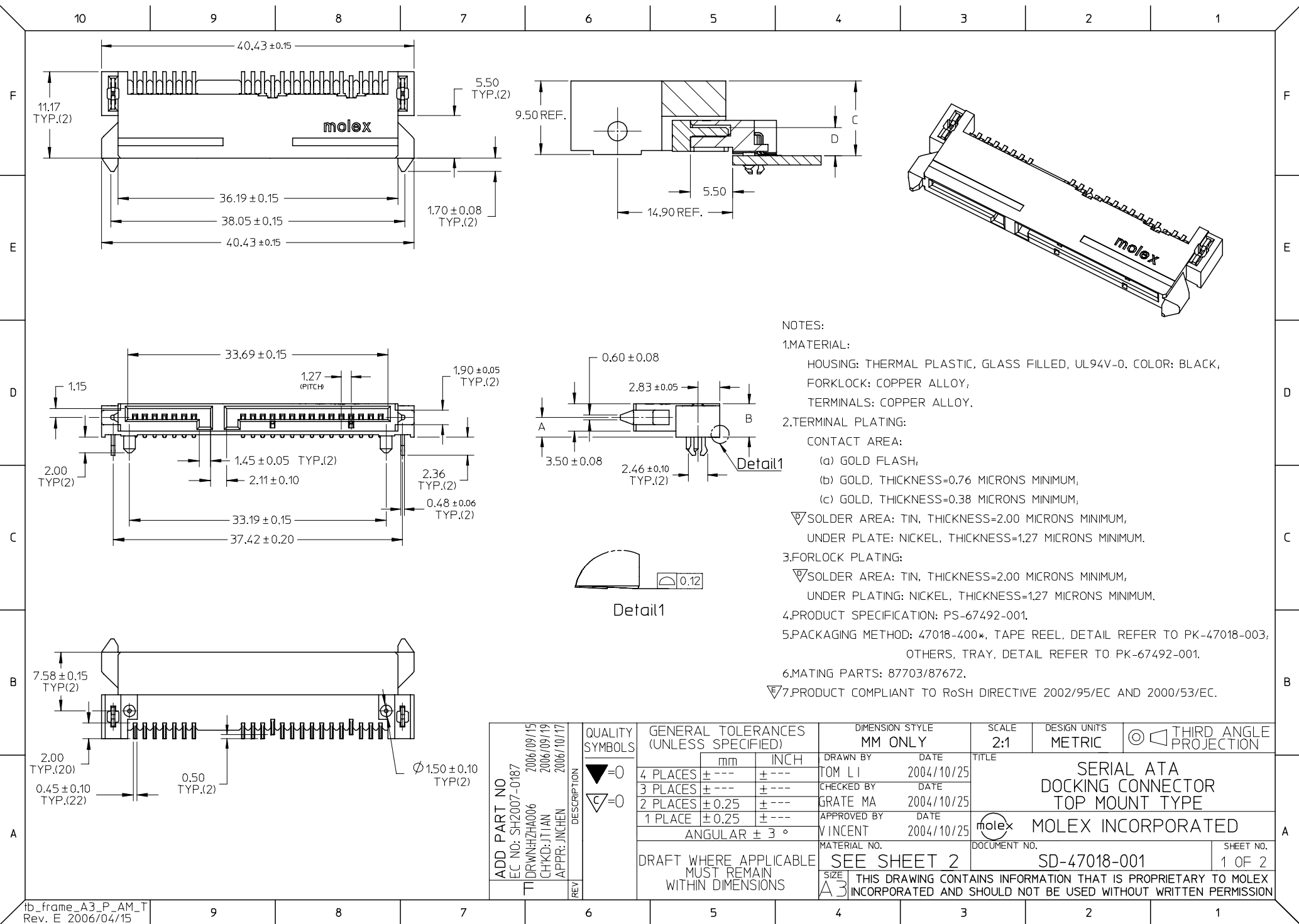
Reference - Drawing Numbers

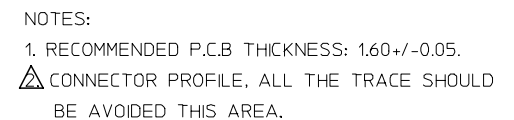
Product SpecificationPS-67492-001

Sales DrawingSD-47018-001

This document was generated on 04/14/2010

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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
47018-4001	NOTES 2 (B) OF SHEET 1						(LIGHT TIN)
47018-4002	NOTES 2 (C) OF SHEET 1						WITH CAP
47018-3000	NOTES 2 (A) OF SHEET 1	2.95	4.70	10.05	4.05	TRAY	PURE TIN
47018-3001	NOTES 2 (B) OF SHEET 1						(LIGHT TIN)
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
47018-2011	NOTES 2 (B) OF SHEET 1						(MATTE TIN)
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
47018-2001	NOTES 2 (B) OF SHEET 1						(LIGHT TIN)
47018-2002	NOTES 2 (C) OF SHEET 1						

ADD PART NO EC NO: SH2007-0187 T1 DRAWN: HZHA006 CHKD: JTIAN APPR: JNCHEN 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					
			2 PLACES	± 0.25	± ---	MOLEX INCORPORATED						
			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	SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											