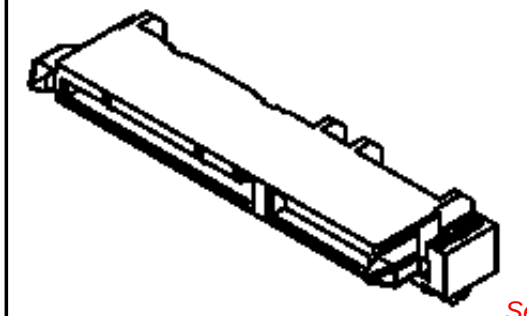
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Part Number: 0674921121
Status: Active
Overview: serial_ata_127_host_receptacles
Description: 1.27mm (.050") Pitch Serial ATA Host Receptacle, Right Angle, SMT, Mating Height 3.55mm (.140"), 0.76µm (30µ") Gold (Au) Plating, Tray Packaging, 22 Circuits, Lead Free



Series image - Reference only

Documents:

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

General

Product Family	PCB Receptacles
Series	67492
Application	Board-to-Board
Overview	serial_ata_127_host_receptacles
Product Name	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	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.045 In
PCB Thickness Recommended (mm)	1.20 mm
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)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	50
Plating min: Termination (µm)	1.27
Polarized to Mating Part	Yes
Polarized to PCB	Yes
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 DC

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
67492Series

Mates With
87703 , 87672 Serial ATA Plugs

Solder Process Data

Lead-free Process Capability	Reflow Capable (SMT only)
Process Temperature max. C	230

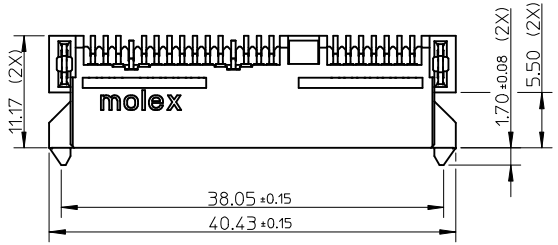
Material Info

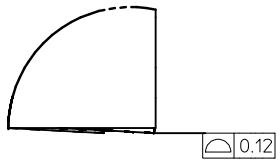
Reference - Drawing Numbers

Packaging Specification	PK-67492-001
Product Specification	PS-67492-001
Sales Drawing	SD-67492-001

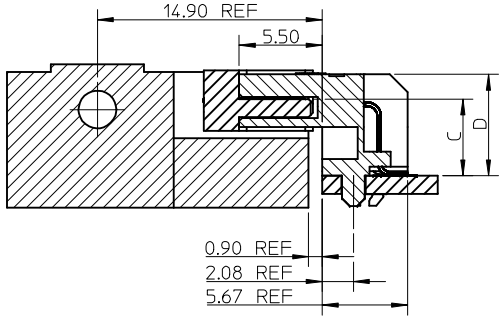
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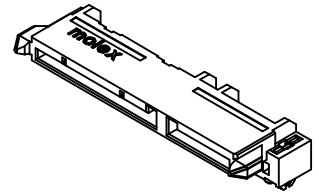
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

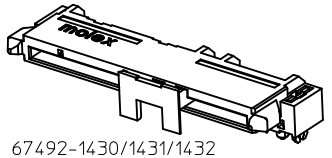




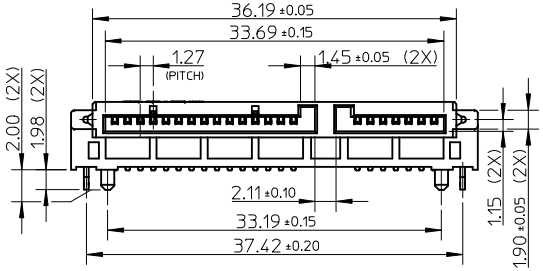
DETAIL1

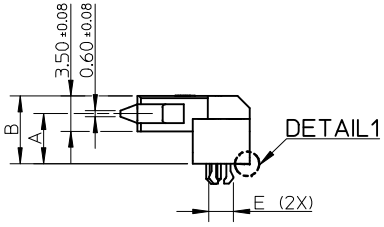


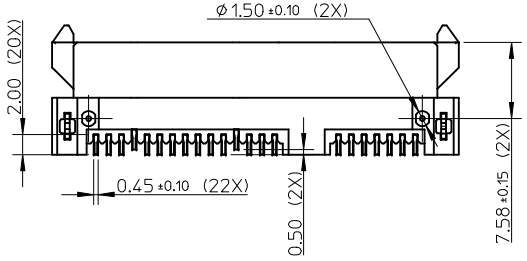


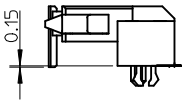


67492-1430/1431/1432
/1325/1326/1327
/1440/1441/1442
/1224/1225/1226
/1450/1451/1452.

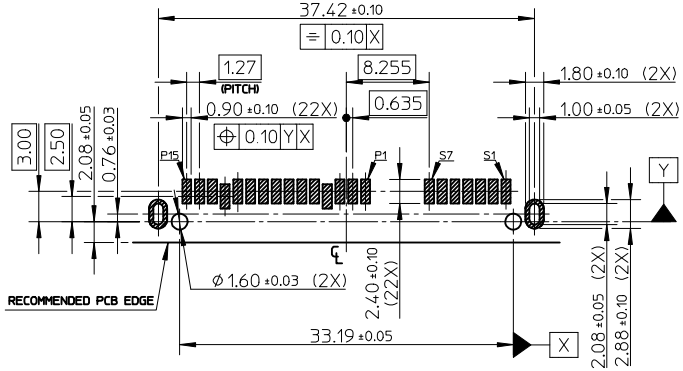








67492-1430/1431/1432
/1325/1326/1327
/1440/1441/1442
/1224/1225/1226
/1450/1451/1452.
OTHER DIMENSION PER OTHER VIEW



RECOMMENDED P.C.B. LAYOUT (THICKNESS=1.2mm)

CONNECTOR SIDE

NOTES:

1. MATERIAL:
   HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, UL94V-0, COLOR: BLACK;
   TERMINAL: COPPER ALLOY;
   FORKLOCK: COPPER ALLOY.
2. TERMINAL PLATING:
   CONTACT AREA:
   (A) GOLD FLASH;
   (B) GOLD, THICKNESS=0.76 MICRONS MINIMUM;
   (C) GOLD, THICKNESS=0.38 MICRONS MINIMUM;
   SOLDER AREA: TIN, THICKNESS=1.27 MICRONS MINIMUM;
   UNDER PLATE: NICKEL, THICKNESS=1.27 MICRONS MINIMUM.
3. FORKLOCK PLATING:
   SOLDER AREA: TIN, THICKNESS=1.27 MICRONS MINIMUM;
   UNDER PLATE: NICKEL, THICKNESS=1.27 MICRONS MINIMUM.
4. PRODUCT SPECIFICATION: REFER TO PS-67492-001.
5. PACKAGING METHOD: TRAY, USE DRYER IN HDPE BAGE TO PREVENT BLISTER.
6. MATING PARTS: 87703/87672.
7. PRODUCT COMPLIANT TO RoSH DIRECTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC.

ADD PART NUMBER
EC NO:
DRWN:XQZHANG 2009/07/29
CHKD:GLLI 2009/08/07
APPR:XJSONG 2009/09/03
DESCRIPTION
REV
K

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: GRATE MA DATE: 2003/10/10
CHECKED BY: YAJUN DATE: 2003/10/10
APPROVED BY: SAM DATE: 2003/10/10

TITLE: SATA HOST RECEPTACLE R/A SMT TYPE

molex MOLEX INCORPORATED

MATERIAL NO.: SEE SHEET 2
DOCUMENT NO.: SD-67492-001
SHEET NO.: 1 OF 2
SIZE: A3

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P/N	PLATING	DIM'A'	DIM'B'	DIM'C'	DIM'D'	DIM'E'	REMARK
67492-1420	NOTES 2 (A)	4.15	5.90	4.25	5.90	2.45±0.10	TRAY PACKAGE PK-67492-001
67492-1421	NOTES 2 (B)						
67492-1422	NOTES 2 (C)						
67492-1320	NOTES 2 (A)	3.50	5.25	3.60	5.25	2.45±0.10	
67492-1321	NOTES 2 (B)						
67492-1322	NOTES 2 (C)						
67492-1120	NOTES 2 (A)	1.80	3.55	1.90	3.55	2.45±0.10	
67492-1121	NOTES 2 (B)						
67492-1122	NOTES 2 (C)						
67492-9220	NOTES 2 (A)	4.99	6.74	5.09	6.74	2.45±0.10	
67492-9221	NOTES 2 (B)						
67492-9222	NOTES 2 (C)						
67492-1220	NOTES 2 (A)	4.99	6.74	5.09	6.74	2.45±0.10	TAPE&REEL PACKAGE PK-67492-002
67492-1221	NOTES 2 (B)						
67492-1222	NOTES 2 (C)						
67492-1224	NOTES 2 (A)	4.99	6.74	5.09	6.74	2.33±0.05	TAPE&REEL PACKAGE WITH CAP PK-67492-002
67492-1225	NOTES 2 (B)						
67492-1226	NOTES 2 (C)						
67492-1430	NOTES 2 (A)	4.15	5.90	4.25	5.90	2.45±0.10	TAPE&REEL PACKAGE WITH CAP PK-67492-008
67492-1431	NOTES 2 (B)						
67492-1432	NOTES 2 (C)						
67492-1325	NOTES 2 (A)	3.50	5.25	3.60	5.25	2.45±0.10	
67492-1326	NOTES 2 (B)						
67492-1327	NOTES 2 (C)						
67492-1440	NOTES 2 (B)	4.15	5.90	4.25	5.90	2.33±0.05	
67492-1441	NOTES 2 (A)						
67492-1442	NOTES 2 (C)						
67492-1450	NOTES 2 (A)	4.10	5.85	4.20	5.85	2.33±0.05	
67492-1451	NOTES 2 (B)						
67492-1452	NOTES 2 (C)						

ADD PART NUMBER
EC NO: 2009/07/29
DRWN:XOZHANG 2009/08/07
CH'KD:GLI 2009/09/03
APPR:XJSONG
DESCRIPTION
REV: K

QUALITY SYMBOLS
▼=0
Ⓒ▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: GRATE MA DATE: 2003/10/10
CHECKED BY: YAJUN DATE: 2003/10/10
APPROVED BY: SAM DATE: 2003/10/10

TITLE: SATA HOST RECEPTACLE R/A SMT TYPE

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-67492-001
SHEET NO.: 2 OF 2
SIZE: A3

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