

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0543660478

Status:

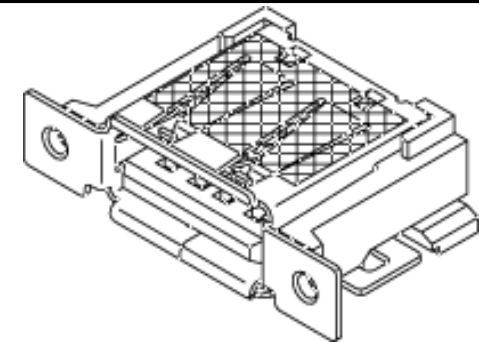
Active

Overview:

usb

Description:

Universal Serial Bus (USB) Shielded I/O Receptacle, SMT, Side Flange Reverse Mount, Lead-free



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-54366-008 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

General

|                |                |
|----------------|----------------|
| Product Family | I/O Connectors |
| Series         | 54366          |
| Application    | Wire-to-Board  |
| Comments       | Side Flange    |
| Component Type | Receptacle     |
| Overview       | usb            |
| Product Name   | USB            |
| Type           | A              |

Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 4                              |
| Circuits (maximum)             | 4                              |
| Color - Resin                  | Natural                        |
| Lock to Mating Part            | Yes                            |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Orientation                    | Right Angle                    |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| Packaging Type                 | Embossed Tape on Reel          |
| Panel Mount                    | Yes                            |
| Pitch - Mating Interface (in)  | 0.079 In, 0.098 In             |
| Pitch - Mating Interface (mm)  | 2.00 mm, 2.50 mm               |
| Plating min: Mating (µin)      | 30                             |
| Plating min: Mating (µm)       | 0.75                           |
| Plating min: Termination (µin) | 40                             |
| Plating min: Termination (µm)  | 1                              |
| Polarized to Mating Part       | Yes                            |
| Surface Mount Compatible (SMC) | N/A                            |
| Temperature Range - Operating  | 0°C to +40°C                   |
| Termination Interface: Style   | Surface Mount                  |
| Wire Size AWG                  | N/A                            |

Electrical

|                               |     |
|-------------------------------|-----|
| Current - Maximum per Contact | 1A  |
| Shielded                      | Yes |
| Voltage - Maximum             | 30V |

Material Info

Reference - Drawing Numbers

|                       |                             |
|-----------------------|-----------------------------|
| Product Specification | PS-54366-008, RPS-54366-002 |
| Sales Drawing         | SD-54366-007, SD-54366-008  |

EU RoHS

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

China RoHS



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.

Search Parts in this Series  
54366Series

Mates With  
USB Type A Plug

This document was generated on 06/07/2010

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DWG. NO. SD-54366-007

F

E

D

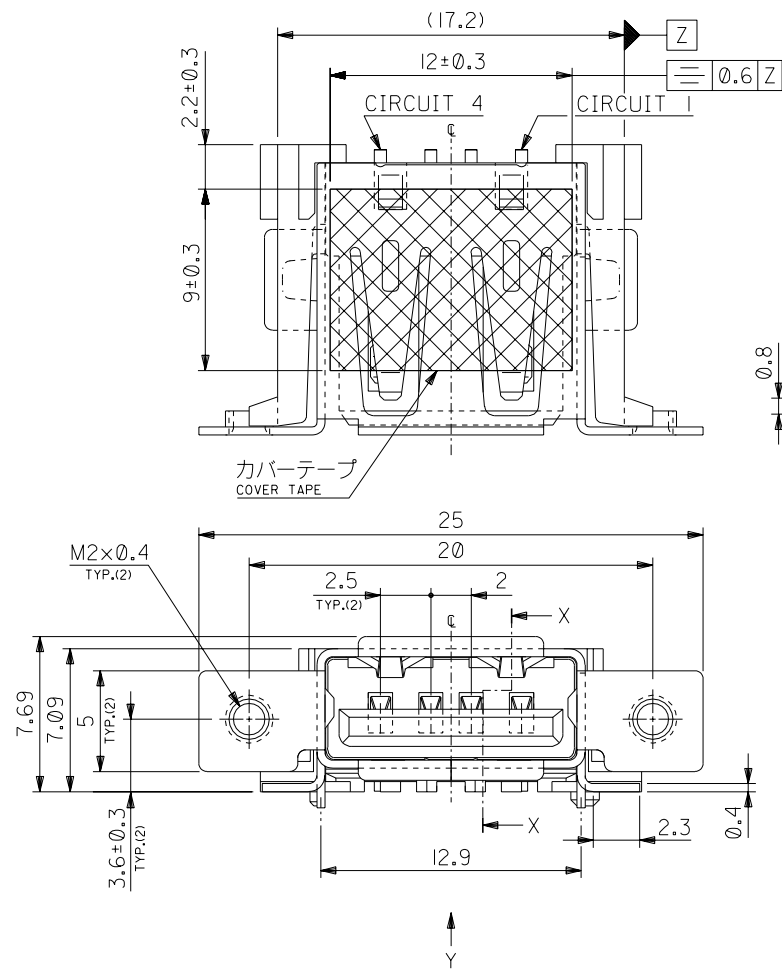
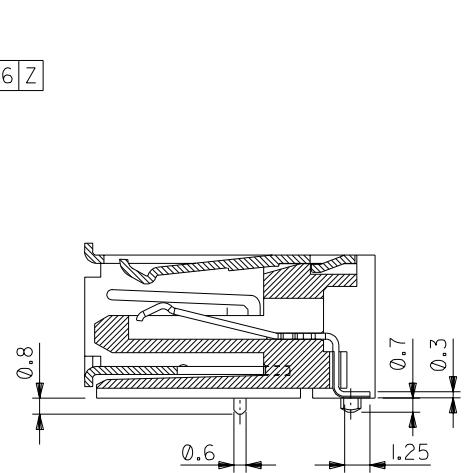
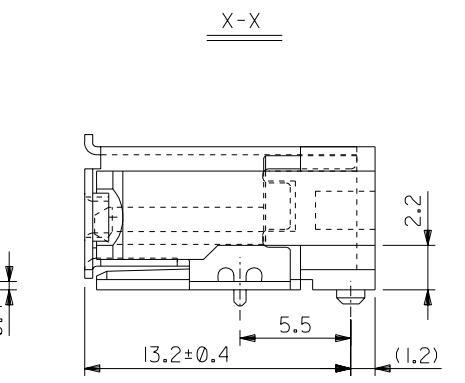
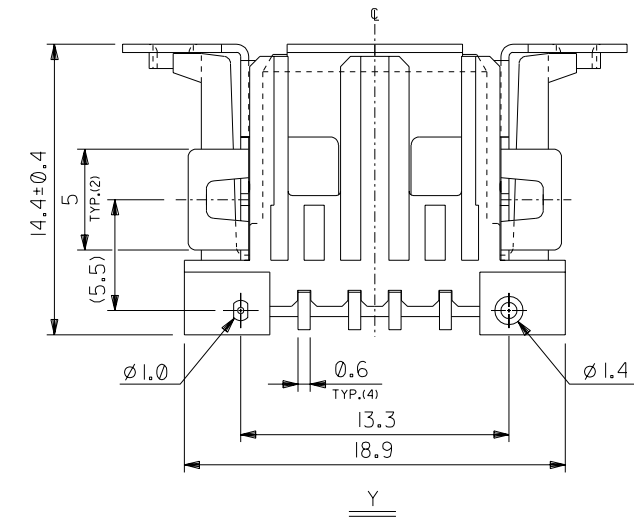
C

B

A

DO NOT SCALE DRAWING

|                                                                                                                                |                                  |                                  |                                  |                                                                                                              |             |                      |                   |                                                   |                            |                                         |                                                                                       |                                                          |            |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------|-------------|----------------------|-------------------|---------------------------------------------------|----------------------------|-----------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------|------------|
| EC NO.<br>DRWN:<br>CHK:<br>APPR:                                                                                               | EC NO.<br>DRWN:<br>CHK:<br>APPR: | EC NO.<br>DRWN:<br>CHK:<br>APPR: | EC NO.<br>DRWN:<br>CHK:<br>APPR: | RELEASED<br>EC NO. J2004-3318<br>DRWN: Y.WADA '04/03/24<br>CHK: M.SASAO '04/03/24<br>APPR: M.SASAO '04/03/24 | DESCRIPTION | MATERIAL<br>材料       | 注記参照<br>SEE NOTES | GENERAL TOLERANCES:<br>(UNLESS SPECIFIED)<br>一般公差 | SCALE<br>—#—               | MODEL NO.<br>DESIGN UNITS<br>☑mm ☐INCH  | 54366-***19<br>THIRD ANGLE<br>PROJECTION<br>☐mm<br>INCH<br>☐mm<br>INCH<br>☒mm<br>ONLY | DIMENSIONS:<br>☐mm<br>INCH<br>☐mm<br>INCH<br>☒mm<br>ONLY | SHT<br>REV |
|                                                                                                                                |                                  |                                  |                                  |                                                                                                              |             | FINISH<br>仕上り        | 注記参照<br>SEE NOTES | 10 UNDER<br>未満                                    | ±0.2                       | DRAWN BY & DATE<br>Y.WADA '04/03/24     | TITLE:<br>USB I/O CONN. ASS'Y<br>(SIDE FLANGE REVERSE SMT TYPE)<br>-LEAD FREE-        |                                                          |            |
|                                                                                                                                |                                  |                                  |                                  |                                                                                                              |             | WIRE RANGE<br>適用電線範囲 | —#—               | 10 OVER 30 UNDER<br>以上 未満                         | ±0.25                      | CHECKED BY & DATE<br>M.SASAO '04/03/24  |                                                                                       |                                                          |            |
|                                                                                                                                |                                  |                                  |                                  |                                                                                                              |             | INS. RANGE<br>被覆外径   | —#—               | 30 OVER<br>以上                                     | ±0.3                       | APPROVED BY & DATE<br>M.SASAO '04/03/24 |                                                                                       |                                                          |            |
|                                                                                                                                |                                  |                                  |                                  |                                                                                                              |             | ANGLE 角度             | ±3°               | CAD FILENAME<br>SD-54366-007.S01                  | MATERIAL NO.<br>54366-0419 | DRAWING NO.<br>SD-54366-007             |                                                                                       | SHEET NO.<br>1 OF 2                                      |            |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |                                  |                                  |                                  |                                                                                                              |             |                      |                   |                                                   |                            | SIZE<br>B                               |                                                                                       |                                                          |            |



DWG. NO. SD-54366-007

F

D

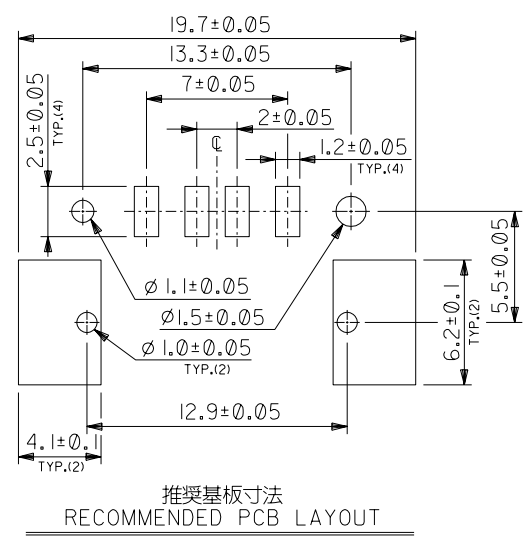
V

C

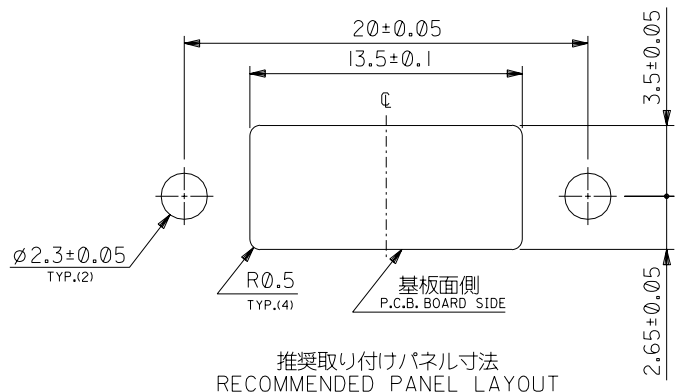
B

DO NOT SCALE DRAWING

|                                  |  |                                  |  |                                  |  |                                  |  |                                                                                                              |  |                                         |  |                                                   |  |                                                                                                                                |  |                                         |  |                                                                                |  |                        |  |
|----------------------------------|--|----------------------------------|--|----------------------------------|--|----------------------------------|--|--------------------------------------------------------------------------------------------------------------|--|-----------------------------------------|--|---------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------|--|--------------------------------------------------------------------------------|--|------------------------|--|
| EC NO.<br>DRWN:<br>CHK:<br>APPR: |  | EC NO.<br>DRWN:<br>CHK:<br>APPR: |  | EC NO.<br>DRWN:<br>CHK:<br>APPR: |  | EC NO.<br>DRWN:<br>CHK:<br>APPR: |  | RELEASED<br>EC NO. J2004-3318<br>DRWN: Y.WADA '04/03/24<br>CHK: M.SASAO '04/03/24<br>APPR: M.SASAO '04/03/24 |  | MATERIAL<br>材料<br><br>注記参照<br>SEE NOTES |  | GENERAL TOLERANCES:<br>(UNLESS SPECIFIED)<br>一般公差 |  | SCALE<br>—#—                                                                                                                   |  | MODEL NO.<br>DESIGN UNITS<br>☐mm ☐INCH  |  | 54366-***19<br>THIRD ANGLE<br>PROJECTION<br>☐mm ☐INCH ☒mm ONLY                 |  | DIMENSIONS:<br>SHT REV |  |
|                                  |  |                                  |  |                                  |  |                                  |  |                                                                                                              |  | FINISH<br>仕上り<br><br>注記参照<br>SEE NOTES  |  | 10 UNDER<br>未満                                    |  | ±0.2                                                                                                                           |  | DRAWN BY & DATE<br>Y.WADA '04/03/24     |  | TITLE:<br>USB I/O CONN. ASS'Y<br>(SIDE FLANGE REVERSE SMT TYPE)<br>-LEAD FREE- |  |                        |  |
|                                  |  |                                  |  |                                  |  |                                  |  |                                                                                                              |  | 10 OVER<br>以上                           |  | 30 UNDER<br>未満                                    |  | ±0.25                                                                                                                          |  | CHECKED BY & DATE<br>M.SASAO '04/03/24  |  |                                                                                |  |                        |  |
|                                  |  |                                  |  |                                  |  |                                  |  |                                                                                                              |  | 30 OVER<br>以上                           |  |                                                   |  | ±0.3                                                                                                                           |  | APPROVED BY & DATE<br>M.SASAO '04/03/24 |  |                                                                                |  |                        |  |
|                                  |  |                                  |  |                                  |  |                                  |  |                                                                                                              |  | WIRE RANGE<br>適用電線範囲<br><br>—#—         |  | ANGLE 角度<br><br>±3°                               |  | CAD FILENAME<br>SD-54366-007.S02                                                                                               |  | MATERIAL NO.<br>54366-0419              |  | DRAWING NO.<br>SD-54366-007                                                    |  | SHEET NO.<br>2 OF 2    |  |
|                                  |  |                                  |  |                                  |  | 0                                |  | REV<br>被覆外径<br><br>—#—                                                                                       |  |                                         |  |                                                   |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |  |                                         |  | MOLEX INCORPORATED                                                             |  | SIZE<br>B              |  |



推奨基板寸法  
RECOMMENDED PCB LAYOUT



推奨取り付けパネル寸法  
RECOMMENDED PANEL LAYOUT

注記  
NOTES:

- 材質  
MATERIAL  
ハウジング: PPA (ポリフタルアミド)、ガラス充填  
白色、UL94V-0  
HOUSING :PPA(POLYPHTHALAMIDE),GLASS FILLED,WHITE,UL94V-0  
ターミナル: 焼青銅 (t=0.3)  
TERMINAL :PHOSPHOR BRONZE(t=0.3)  
シェル: 黄銅 (t=0.4)  
SHELL :BRASS(t=0.4)
- メッキ仕様  
PLATING  
ターミナル  
TERMIAL  
接点部: 金メッキ 最小0.75マイクロメートル  
CONTACT AREA:GOLD 0.75 MICROMETER MINIMUM  
半田付け部: 錫メッキ 最小1.0マイクロメートル  
SOLDER TAIL AREA:TIN 1.0 MICROMETER MINIMUM  
下地メッキ: ニッケルメッキ 最小1.25マイクロメートル  
UNDER PLATING:NICKEL 1.25 MICROMETER MINIMUM  
シェル: 錫メッキ 最小1.0マイクロメートル  
SHELL:TIN 1.0 MICROMETER MINIMUM  
下地メッキ ニッケルメッキ 最小2.0マイクロメートル  
UNDER PLATING:NICKEL 2.0 MICROMETER MINIMUM
- テール平坦度は、最大0.1ミリメートル  
TAIL COPLANARITY TO BE 0.1MAXIMUM
- 本製品は54366-\*\*\*12の鉛フリー品である。  
THIS PRODUCT IS LEAD FREE OF 54366-\*\*\*12.

F  
E  
D  
C  
B

A

