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Part Number: [0548190519](#)
Status: **Active**
Description: USB On-The-Go (OTG) Mini-B Receptacle, Right Angle, Through Hole Solder Tails and Shell Tabs, Lead-free

Documents:

[3D Model](#) [Product Specification PS-56579-015 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

UL E29179

General

Product Family I/O Connectors
 Series [54819](#)
 Application Wire-to-Board
 Component Type Receptacle
 MolexKits Yes
 Product Name USB, USB OTG (On-The-Go)
 Type Mini-B

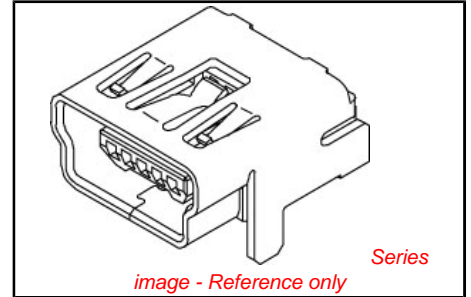
Physical

Circuits (Loaded) 5
 Circuits (maximum) 5
 Color - Resin Black
 Flammability 94V-0
 Lock to Mating Part Yes
 Material - Metal High Performance Alloy (HPA)
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Orientation Right Angle
 PC Tail Length (in) 0.071 In
 PC Tail Length (mm) 1.80 mm
 PCB Retention Yes
 PCB Thickness Recommended (in) 0.040 In
 PCB Thickness Recommended (mm) 1.00 mm
 Packaging Type Tray
 Panel Mount No
 Pitch - Mating Interface (in) 0.031 In
 Pitch - Mating Interface (mm) 0.80 mm
 Plating min: Mating (µin) 30.4
 Plating min: Mating (µm) 0.76
 Plating min: Termination (µin) 40
 Plating min: Termination (µm) 1
 Polarized to Mating Part Yes
 Surface Mount Compatible (SMC) Yes
 Temperature Range - Operating 0°C to +50°C
 Termination Interface: Style Through Hole
 Wire Size AWG N/A

Electrical

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

Solder Process Data



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
[54819Series](#)

Mates With
[59204-9401](#) , [59205-3301](#)

| | |
|--|---------------------------|
| Duration at Max. Process Temperature (seconds) | 10 |
| Lead-free Process Capability | Reflow Capable (SMT only) |
| Max. Cycles at Max. Process Temperature | 1 |
| Process Temperature max. C | 260 |

Material Info

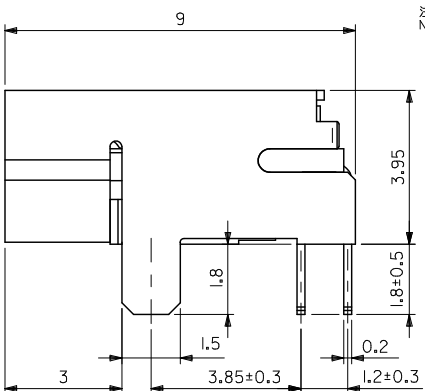
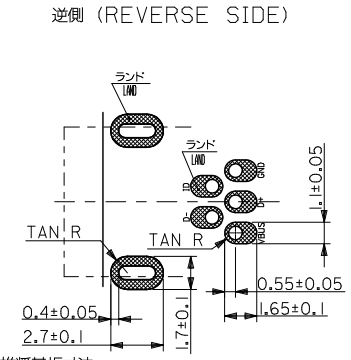
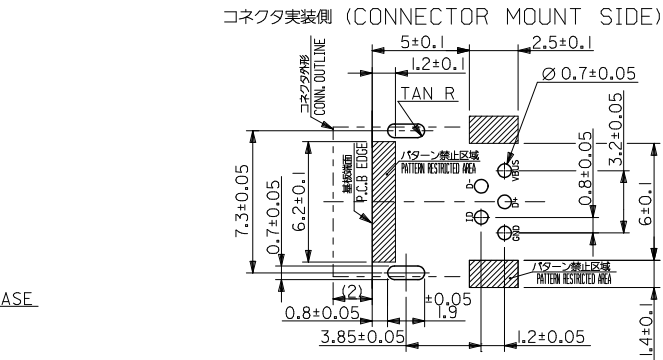
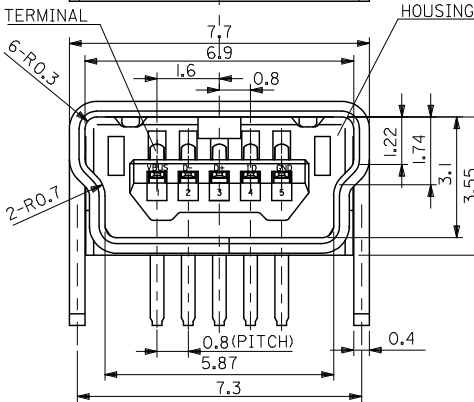
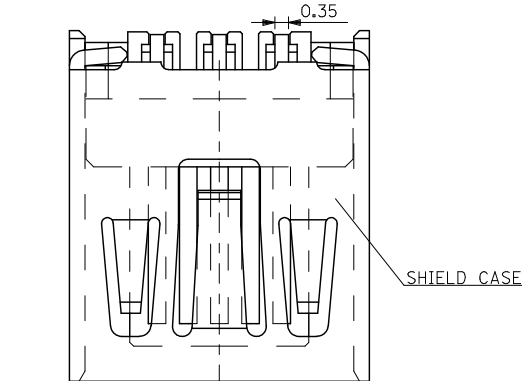
Reference - Drawing Numbers

| | |
|-------------------------|--|
| Packaging Specification | SPK-54819-001 |
| Product Specification | PS-56579-015, RPS-54819-030, RPS-54819-032, RPS-54819-033, RPS-56579-003, RPS-56579-004, RPS-56579-007, RPS-56579-008, RPS-56579-009, RPS-56579-010 |
| Sales Drawing | SD-54819-026 |

This document was generated on 06/07/2010

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注記 1. 材質 MATERIAL
 ハウジング: PA, ガラス充填, 黒色, UL94V-0
 HOUSING: PA, GLASS FILLED, BLACK, UL94V-0
 ターミナル: 銅合金 (t=0.2)
 TERMINAL: COPPER ALLOY (t=0.2)
 シールド ケース: 銅合金 (t=0.4)
 SHIELD CASE: COPPER ALLOY (t=0.4)

2. メッキ仕様 PLATING
 ターミナル TERMINAL
 接点部: 金メッキ 0.7μM MICRO METER MIN.
 CONTACT AREA: GOLD 0.7μM MICRO METER MIN.
 半田付け部: 銅メッキ 1.0μM MICRO METER MIN.
 SOLDER TAIL AREA: TIN 1.0μM MICRO METER MIN.
 下地部: ニッケルメッキ 1.0μM MICRO METER MIN.
 UNDER PLATING: NICKEL 1.0μM MICRO METER MIN.
 シールド ケース SHIELD CASE
 銅メッキ 1.0μM MICRO METER MIN.
 TIN 1.0μM MICRO METER MIN.
 下地部: ニッケルメッキ 1.0μM MICRO METER MIN.
 UNDER PLATING: NICKEL 1.0μM MICRO METER MIN.

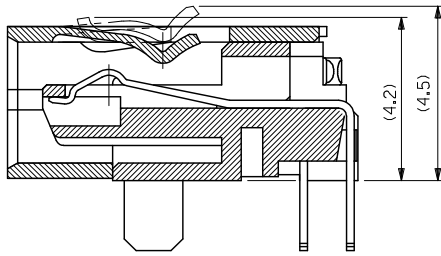
3. 本製品は 54819-0511 の鉛フリー品である。
 THIS PRODUCT IS LEAD FREE OF 54819-0511.

54819-0519
 MATERIAL No.

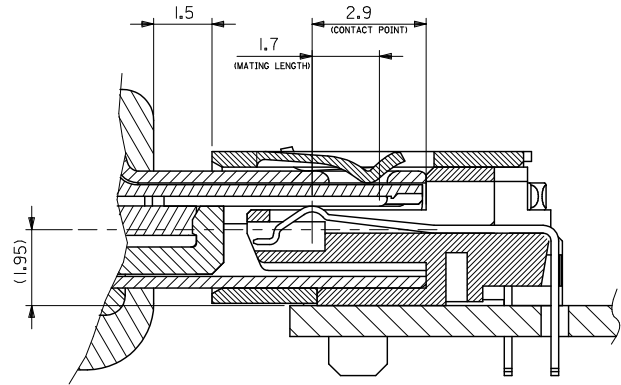
MODEL No.54819-***19

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| REVISED EC NO: J2009-4533 DRAWN BY: CHYKOHMATSUNO CHECKED BY: APPR: NIKITA DATE: 2009/06/25 DATE: 2009/06/25 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | SCALE 10:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION |
| | 10 UNDER | ±0.2 | DRAWN BY M. NAGATA | DATE 2004/04/28 | TITLE USB SERIES MINI-B RECEPTACLE ASS'Y -LEAD FREE- | |
| | 10 OVER 30 UNDER | ±0.25 | CHECKED BY K. TOJO | DATE 2004/04/28 | MOLEX INCORPORATED | |
| | 30 OVER | ±0.3 | APPROVED BY M. SASAO | DATE 2004/04/28 | DOCUMENT NO. SD-54819-026 | SHEET NO. 1 OF 2 |
| ANGULAR | ±3 ° | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | MATERIAL NO. SEE TABLE | | |
| SIZE 1 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | |

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SECTION



MATING

MODEL NO. 54819-***19

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|--|--|-----------------------------|----------------------------|---|---|------------------------|------------------------|
| REVISED EC NO: J2009-1533 DRAWN BY: DRWNSATO 2009/06/25 CHECKED BY: CHYKOHMATSUOTO 2009/06/25 APPR: NIKITA 2009/06/25 A | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE 10:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION |
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| | 30 OVER | ±0.3 | APPROVED BY M. SASAO | DATE 2004/04/28 | DOCUMENT NO. SD-54819-026 | SHEET NO. 2 OF 2 | |
| | ANGULAR ±3 ° | MATERIAL NO. SEE SHEET 1 | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | |
| | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | | | |

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Rev. E 2006/04/15

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