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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 \(PDF\)](#)

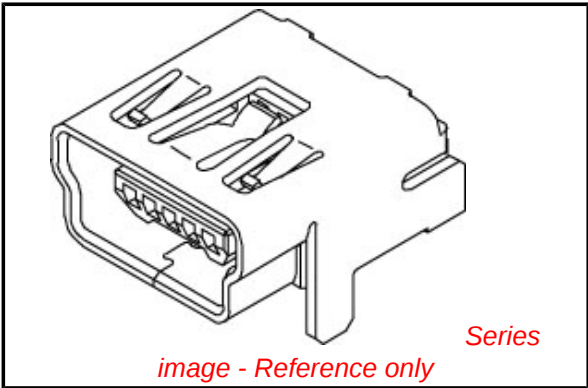
Agency Certification
UL E29179

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



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

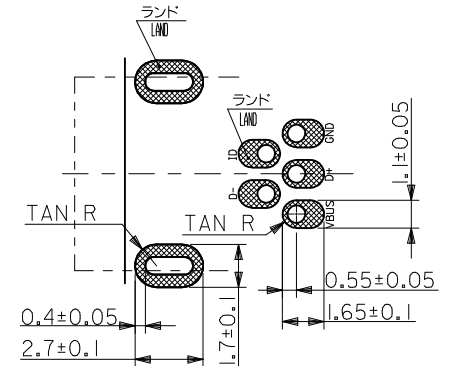
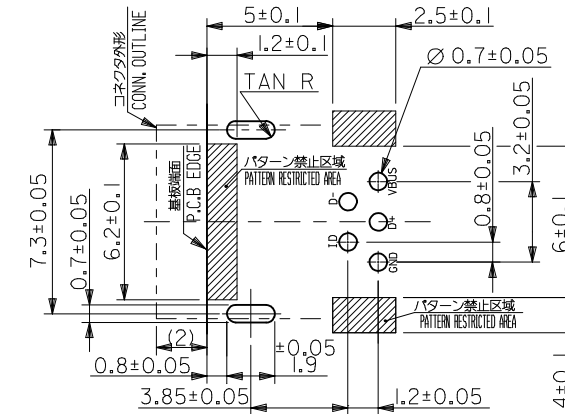
Packaging Specification	SPK-54819-001
Product Specification	PS-56579-015, RPS-54819-030, RPS-54819-032, RPS-54819-033, RPS-56579-003, RPS-56579-004, RPS-56579-007, RPS-56579-008, RPS-56579-009, RPS-56579-010
Sales Drawing	SD-54819-026

This document was generated on 06/07/2010

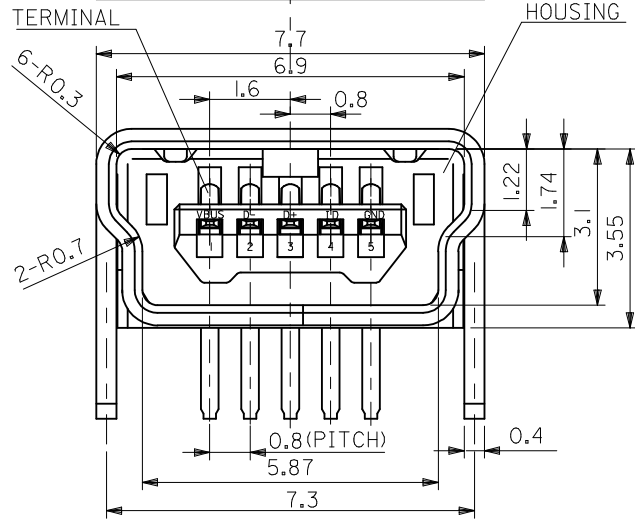
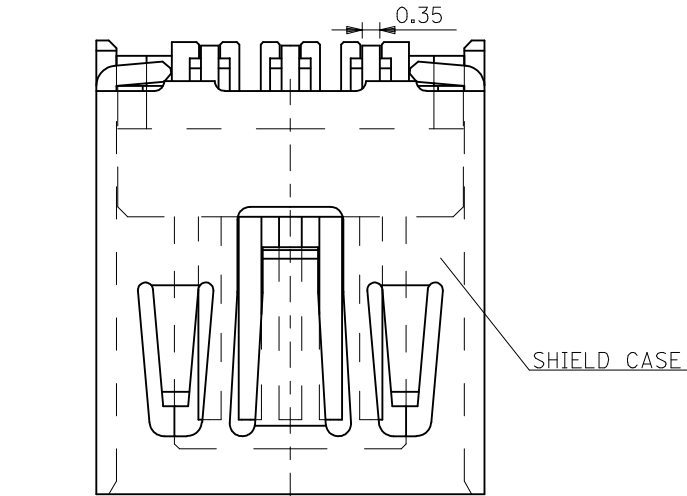
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コネクタ実装側 (CONNECTOR MOUNT SIDE)

逆側 (REVERSE SIDE)



推奨基板寸法
RECOMMENDED P.C.B. PATTERN LAYOUT



注記 1. 材質
NOTES 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 0.76MICRO METER MIN.

CONTACT AREA: GOLD 0.76MICRO METER MIN.

半田付カ部: 銅メッキ 1.0MICRO METER MIN.

SOLDER TAIL AREA: TIN 1.0MICRO METER MIN.

下地部: ニッケルメッキ 1.0MICRO METER MIN.

UNDER PLATING: NICKEL 1.0MICRO METER MIN.

シールド ケース

SHIELD CASE

: 銅メッキ 1.0MICRO METER MIN.

: TIN 1.0MICRO METER MIN.

下地部: ニッケルメッキ 1.0MICRO METER MIN.

UNDER PLATING: NICKEL 1.0MICRO 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

THIRD ANGLE PROJECTION

REVISED EC NO.: J2009-1533 DRAWN BY CHYKDEHATSUMOTO APPR: NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
				MM ONLY		10:1	METRIC			
		10 UNDER	±0.2	DRAWN BY	DATE	TITLE USB SERIES MINI-B RECEPTACLE ASS'Y -LEAD FREE-				
		10 OVER 30 UNDER	±0.25	M. NAGATA	2004/04/28					
		30 OVER	±0.3	CHECKED BY	DATE	MOLEX INCORPORATED				
				K. TOJO	2004/04/28					
		ANGULAR ±3 °		APPROVED BY	DATE	DOCUMENT NO. SD-54819-026				
				M. SASAO	2004/04/28					
A	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		SHEET NO.		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
				SEE TABLE		1 OF 2				

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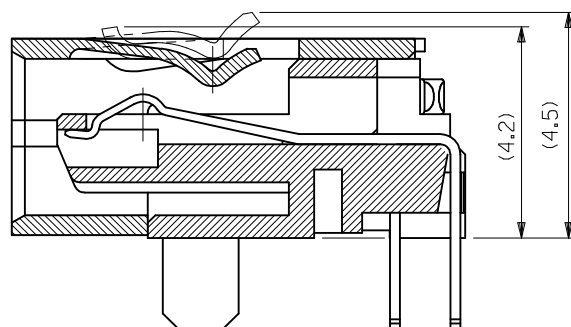
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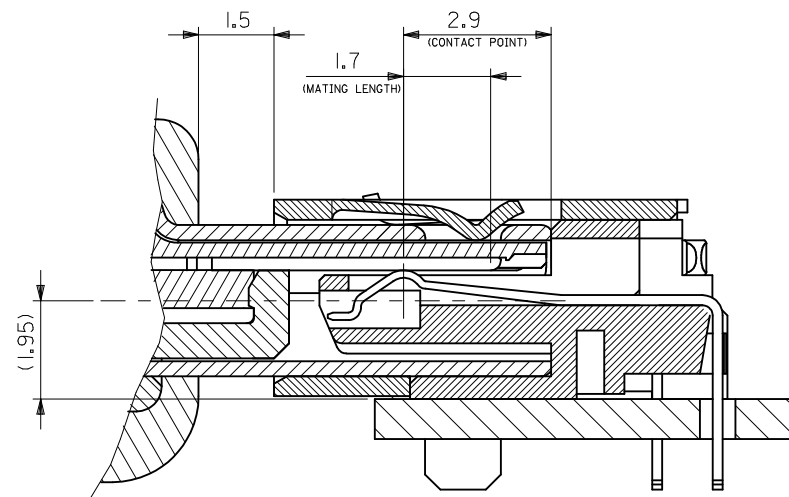
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SECTION



MATING

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REVISED	EC NO.: J2009-1533	2009/06/25
	DRW:ESATO	2009/06/25
	CHKD:HMATSUMOTO	2009/06/25
	APPR:NUKITA	2009/06/25
A	DESCRIPTION	REV

GENERAL TOLERANCES (UNLESS SPECIFIED)		
10 UNDER	±0.2	
10 OVER 30 UNDER	±0.25	
30 OVER	±0.3	
ANGULAR	±3 °	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
M. NAGATA	2004/04/28
CHECKED BY	DATE
K. TOJO	2004/04/28
APPROVED BY	DATE
M. SASAO	2004/04/28
MATERIAL NO.	
SEE SHEET 1	
SIZE	
A3	

MODEL NO.	54819-**-19
SCALE	10:1
DESIGN UNITS	METRIC
THIRD ANGLE PROJECTION	
TITLE	
USB SERIES MINI-B RECEPTACLE ASS'Y -LEAD FREE-	
MOLEX INCORPORATED	
DOCUMENT NO.	SD-54819-026
SHEET NO.	2 OF 2
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