

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0565790519](#)  
**Status:** **Active**  
**Description:** USB On-The-Go (OTG) Mini-AB 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 \(PDF\)](#)

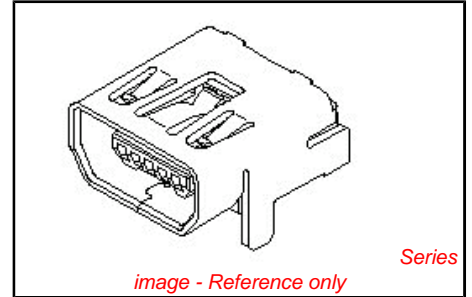
**General**

Product Family	I/O Connectors
Series	56579
Application	Wire-to-Board
Component Type	Receptacle
Product Name	USB, USB OTG (On-The-Go)
Type	Mini-AB (OTG)

**Physical**

Boot Color	N/A
Circuits (Loaded)	5
Circuits (maximum)	5
Color - Resin	Gray
Gender	Receptacle
Lock to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA), Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Right Angle
PC Tail Length (in)	0.071 In
PC Tail Length (mm)	1.80 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.031 In
PCB Thickness Recommended (mm)	0.80 mm
Packaging Type	Tray
Panel Mount	No
Pitch - Mating Interface (in)	0.031 In
Pitch - Mating Interface (mm)	0.80 mm
Pitch - Term. Interface (in)	0.031 In
Pitch - Term. 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
Polarized to PCB	Yes
Ports	1
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole
Waterproof / Dustproof	No
Wire Size AWG	N/A

**Electrical**



<p><b>EU RoHS</b>  <b>ELV and RoHS</b>  <b>Compliant</b>  <b>REACH SVHC</b>          Not Reviewed  <b>Halogen-Free</b>  <b>Status</b>  <b>Not Reviewed</b></p>	<p><b>China RoHS</b></p>
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**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**  
[56579Series](#)

**Mates With**  
[59205-3301](#) , [59204-9405](#)

Current - Maximum per Contact  
Shield Type  
Shielded  
Voltage - Maximum

1A  
Full Shield  
Yes  
30V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Product Specification

PS-56579-015, RPS-56579-004, RPS-56579-007,  
RPS-56579-009, RPS-56579-010

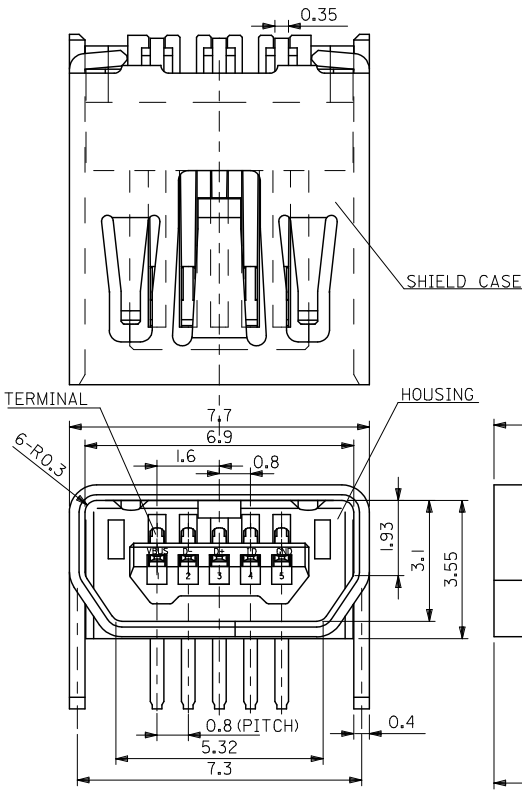
Sales Drawing

SD-56579-014

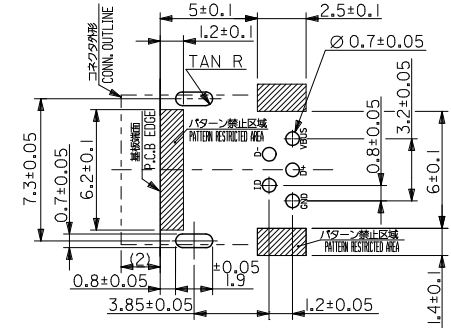
This document was generated on 03/31/2010

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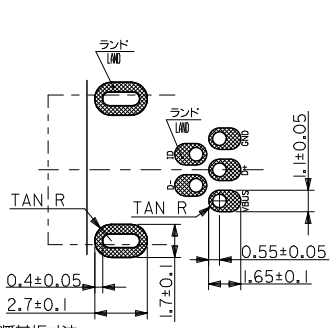
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コネクタ実装側 (CONNECTOR MOUNT SIDE)

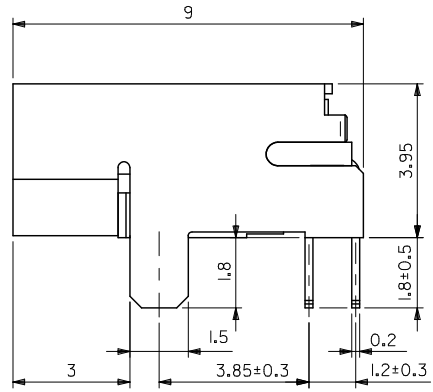


逆側 (REVERSE SIDE)



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, 灰色, UL94V-0  
HOUSING: PA, GLASS FILLED, GRAY, 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.  
半田付け部: 鉛メッキ 1.0MICRO METER MIN.  
SOLDER TAIL AREA: TIN 1.0MICRO METER MIN.  
下地部: ニッケルメッキ 4.0MICRO METER MIN.  
UNDER PLATING: NICKEL 4.0MICRO METER MIN.  
シールド ケース  
SHIELD CASE  
: 鉛メッキ 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56579-0511の鉛フリー品である。  
THIS PRODUCT IS LEAD FREE OF 56579-0511

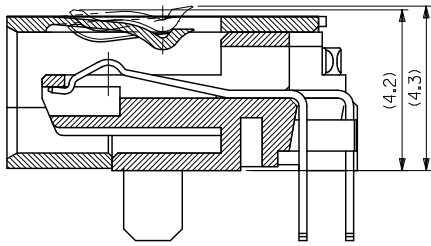


56579-0519  
TRAY PKG.  
ORDER NO.

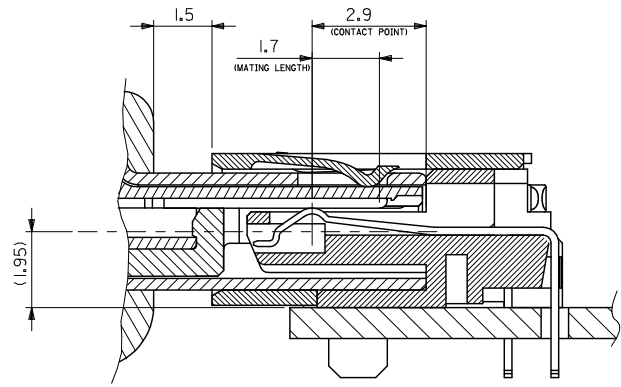
MODEL No.56579-\*\*\*19

REVISED EC NO: J2009-4533 DRAWN BY: DRW NESATO CHKD: HATSUMOTO APPR: NIKITA REV: A	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	10 UNDER	±0.2	DRAWN BY M. NAGATA	DATE 2004/03/10	TITLE USB SERIES MINI-AB REC. ASS'Y DIP -LEAD FREE-	
	10 OVER 30 UNDER	±0.25	CHECKED BY K. TOJO	DATE 2004/03/10	MOLEX INCORPORATED	
	30 OVER	±0.3	APPROVED BY M. SASAO	DATE 2004/03/10	DOCUMENT NO. SD-56579-014	SHEET NO. 1 OF 2
	ANGULAR ±3°	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE TABLE	SIZE 3 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.56579-\*\*-19

REVISED EC NO: J2009-1533 DRAWN BY DRWNSATO 2009/06/25 CHKD:HMATSUMOTO 2009/06/25 APPR:NIKIITA 2009/06/25	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	10 UNDER	±0.2	DRAWN BY M. NAGATA	DATE 2004/03/10	TITLE USB SERIES MINI-AB REC. HS'G ASS'Y (DIP) -LEAD FREE-	
	10 OVER 30 UNDER	±0.25	CHECKED BY K. TOJO	DATE 2004/03/10	MOLEX INCORPORATED	
	30 OVER	±0.3	APPROVED BY M. SASAO	DATE 2004/03/10	DOCUMENT NO. SD-56579-014	SHEET NO. 2 OF 2
A	DESCRIPTION	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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