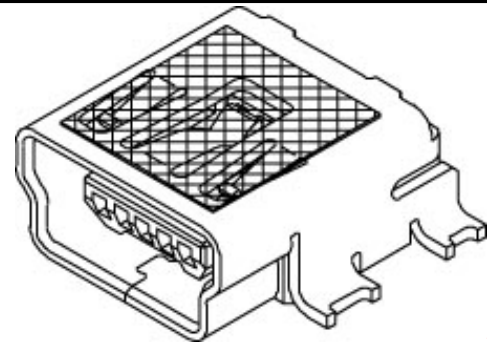


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0548190572](#)
Status: **Active**
Description: USB On-The-Go (OTG) Mini-B Receptacle, Right Angle, SMT Solder Tails and Shell Tabs, with Cover Tape, Lead-free



Series

image - Reference only

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
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
PCB Locator No
PCB Retention Yes
Packaging Type Embossed Tape on Reel
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) N/A
Temperature Range - Operating 0°C to +50°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-56579-015, RPS-54819-019, RPS-54819-020,
RPS-54819-022, RPS-54819-024, RPS-54819-026,

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
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

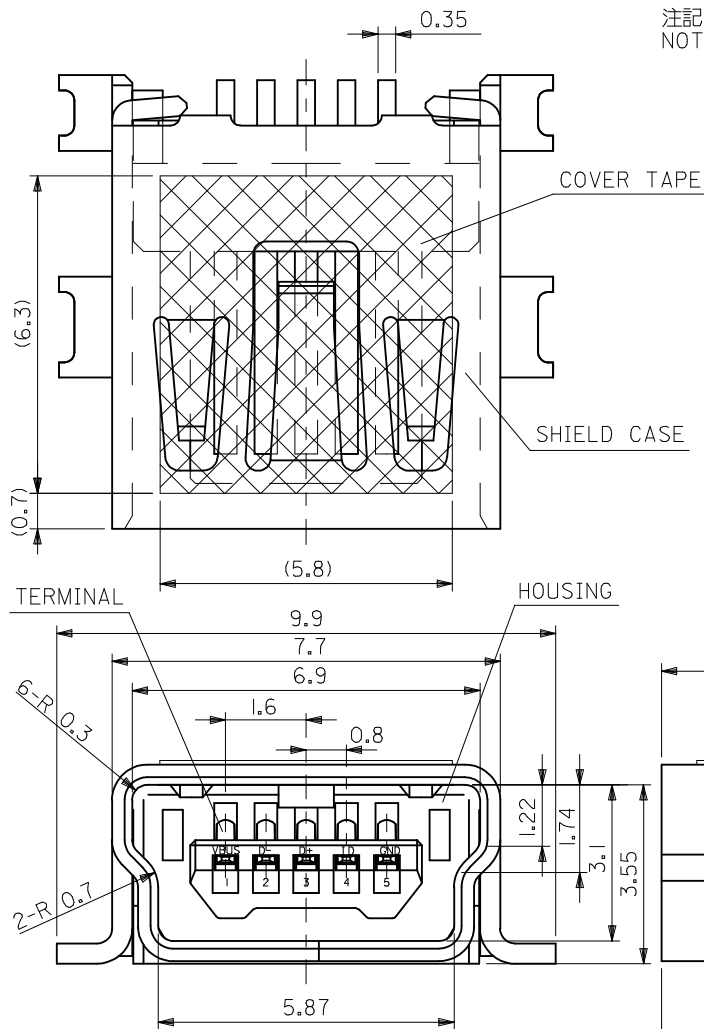
[54819Series](#)

Mates With

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

This document was generated on 03/31/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



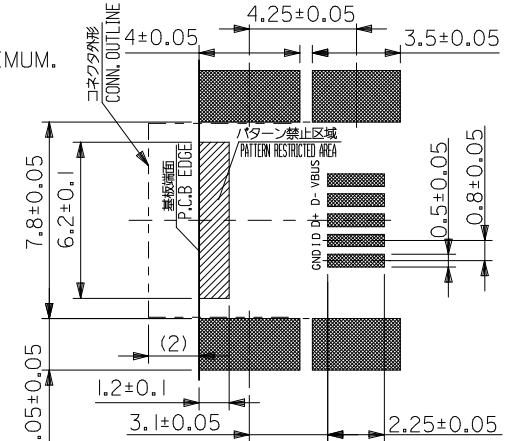
注記 1. 材質 NOTES MATERIAL

ハウジング: ポリアミド, 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)
カバー テープ: ポリイミド (t=0.08)
COVER TAPE: POLYIMIDE (t=0.08)

2. メッキ仕様 PLATING

ターミナル
TERMINAL
接点部: 金メッキ 0.75 MICROMETER MIN.
CONTACT AREA: GOLD 0.75 MICROMETER MINIMUM.
半田付け部: 錫メッキ 無光沢 1.0 MICROMETER MIN.
SOLDER TAIL AREA: MATTE TIN 1.0 MICROMETER MINIMUM.
下地部: ニッケルメッキ 4.0 MICROMETER MIN.
UNDER PLATING: NICKEL 4.0 MICROMETER MINIMUM.
シールド ケース
SHIELD CASE
: 錫メッキ 半光沢 1.0 MICROMETER MIN.
: SEMI-MATTE TIN 1.0 MICROMETER MINIMUM.
下地部: ニッケルメッキ 4.0 MICROMETER MIN.
UNDER PLATING: NICKEL 4.0 MICROMETER MINIMUM.

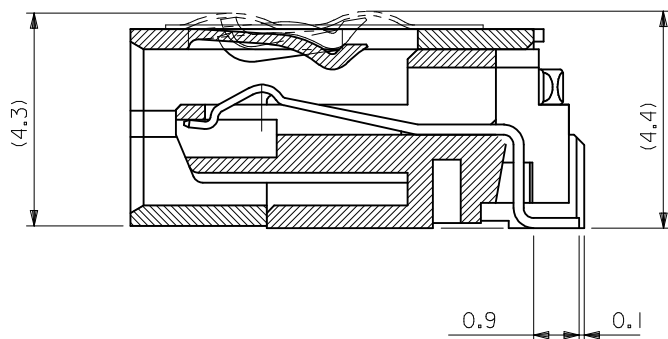
3. テール、ネール平坦度は0.1mm MAX.
TAIL, NAIL COPLANARITY 0.1mm MAX.
4. 本製品は54819-0571の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 54819-0571.



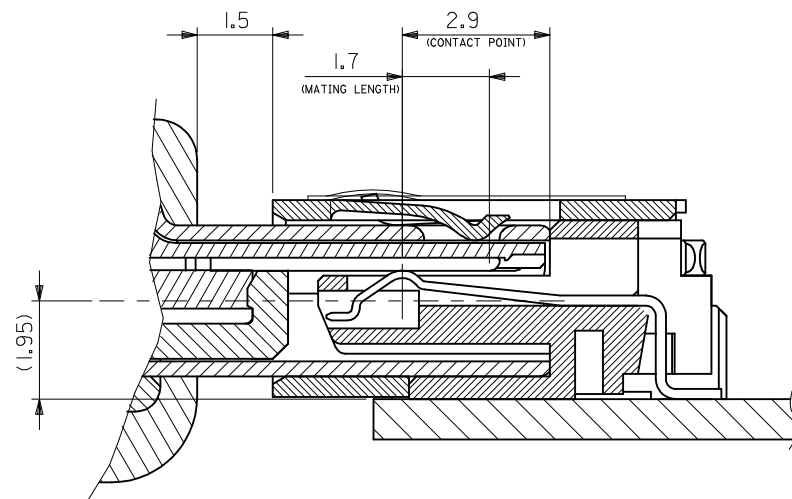
推奨基板寸法 (部品実装側)
RECOMMENDED P.C.B. PATTERN LAYOUT (PART MOUNT SIDE)

54819-0572	54819-0579
EMBOSSD TAPE	MATERIAL No.
ORDER No.	
MODEL No. 54819-**-79	

REVISED EC NO.: J2009-1533 DRAWN BY CHYKDE:HWATSUMOTO APPR:NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY H. KAWABATA	DATE 2004/05/21	TITLE USB SERIES MINI-B RECEPTACLE ASS'Y FOR SMT -LEAD FREE-				
		10 OVER 30 UNDER	±0.25	CHECKED BY K. TOJO	DATE 2004/05/21					
		30 OVER	±0.3	APPROVED BY M. SASAO	DATE 2004/05/21	MOLEX MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-54819-027		1 OF 2		
REV		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								



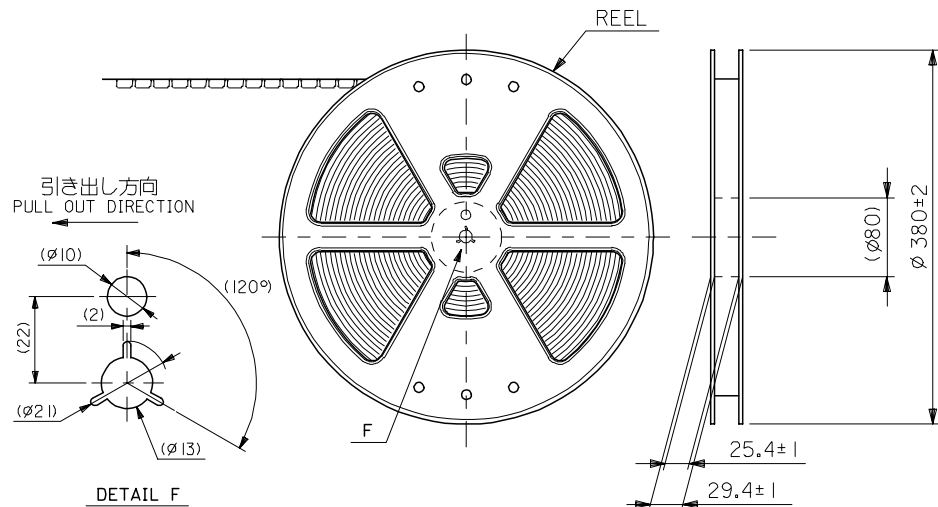
SECTION



MATING

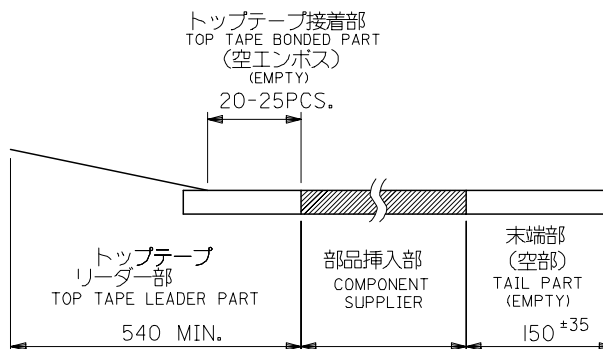
REVISED	EC NO: J2009-1533	2009/06/25	DRW:ESATO	2009/06/25	CHK:MATSUMOTO	2009/06/25	APPR:NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION
									10 UNDER	± 0.2	DRAWN BY H. KAWABATA	DATE 2004/05/21	TITLE USB SERIES MINI-B RECEPTACLE ASS'Y FOR SMT -LEAD FREE-			
									10 OVER 30 UNDER	± 0.25	CHECKED BY K. TOJO	DATE 2004/05/21				
									30 OVER	± 0.3	APPROVED BY M. SASAO	DATE 2004/05/21				
									ANGULAR ±3 °		MATERIAL NO.		MOLEX INCORPORATED			
									DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET1		DOCUMENT NO. SD-54819-027			
C	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														

10 9 8 7 6 5 4 3 2 1



NOTES

- 54819-0579の詳細はSD-54819-027参照
IN THE PACKAGE PART NO.54819-0579 DETAILED , SEE SD-54819-027
- 梱包数量: 800 個/リール
NUMBER OF CONNECTORS: 800 PCS/REEL
- リードテープ長さ
LEAD TAPE LENGTH

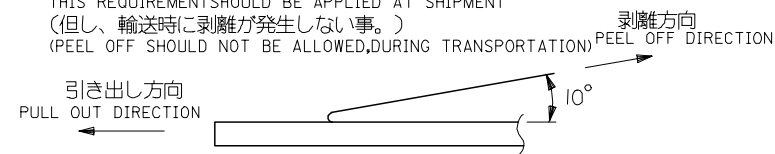


引き出し方向
PULL OUT DIRECTION

- トップテープの剥離強度: 0.1~ 1.3 N {10~130gf}
(剥離方向は下図参照) キャリアテープ幅: 24mm
CARRIER TAPE WIDTH

PEEL-OFF FORCE OF TOP TAPE: 0.1~1.3 N {10~130gf}
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)

尚、本規格値は、出荷時に適用。
THIS REQUIREMENTS SHOULD BE APPLIED AT SHIPMENT
(但し、輸送時に剥離が発生しない事。)
(PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION)



- 材料
MATERIAL
キャリアテープ: ポリプロピレン
CARRIER TAPE: POLYPROPYLENE
トップテープ: ポリエステル, ポリエチレン
TOP TAPE: POLYESTER, POLYETHYLENE
リール: ポリスチレン
REEL: POLYSTYRENE

- 本製品は 54819-0578 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 54819-0578.

54819-0572

MATERIAL NO.

MODEL NO.

54819-**-72

SCALE

2:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

DRAWN BY DATE
H. KAWABATA 2004/05/21

CHECKED BY DATE
K. TOJO 2004/05/21

APPROVED BY DATE
M. SASAO 2004/05/21

MATERIAL NO.

SEE CHART

SIZE
A3

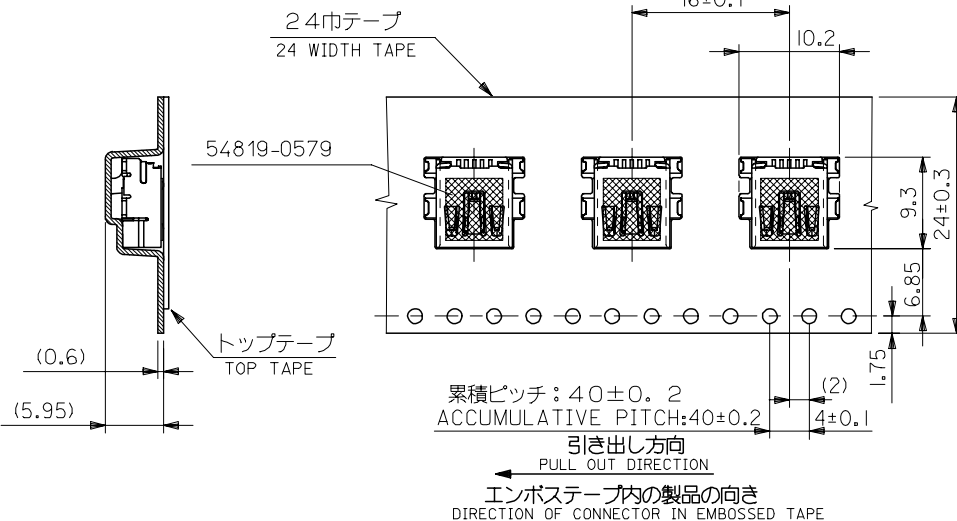
TITLE
USB SERIES MINI-B
REC.HS'G EMBOSSED ASS'Y
-LEAD FREE-

MOLEX INCORPORATED

DOCUMENT NO. SD-54819-028

SHEET NO. 1 OF 1

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REVISED
EC NO: J2006-0378
DRWN: YANAGI MOTO 2005/08/03
CHKD: TANAKA 2005/08/03
APPR: NUKITA 2005/08/17

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	
1	REV