

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

5009990900

Status:

Active

Description:

2.50mm (.098") Pitch SD Memory Card Connector, Shielded Type, Top Mount, Push-Push Ejector, Ultra Short Solder Tab, Embossed Tape Packaging, Lead-free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-500999-001 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Button Type

Comments

Component Type

Product Name

Type

Memory Card Sockets

500999

Push-Push

Ultra Short Solder Tab

Header & Ejector (Host)

SD Card

N/A

Physical

Card Detection Switch

Circuits (Loaded)

Color - Resin

Durability (mating cycles max)

Ejector Button Side

Entry Angle

Keying to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

PCB Locator

PCB Mounting Side

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Ports

Temperature Range - Operating

Termination Interface: Style

Open

9

Black

10,000

Left

90° Angle (Side Entry)

Yes

Brass, Phosphor Bronze, Stainless Steel, Steel

Gold

Gold, Tin

High Temperature Thermoplastic

Yes

Normal

Yes

Embossed Tape on Reel

0.098 In

2.50 mm

8

0.2

2, 40

0.05, 1

1

-25°C to +90°C

Surface Mount

Electrical

Current - Maximum per Contact

Shielded

Voltage - Maximum

0.5A

Yes

100V AC

Material Info

Reference - Drawing Numbers

Product Specification

Sales Drawing

PS-500999-001, RPS-500999-001

SD-500999-002, SD-500999-004

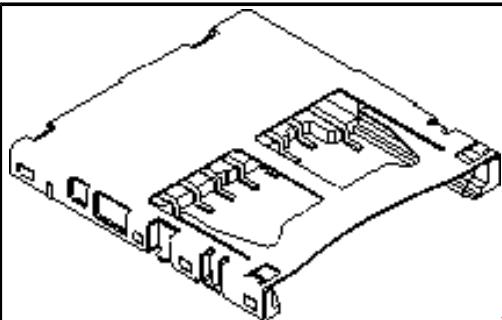


image - Reference only

Series

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

500999Series

Use With

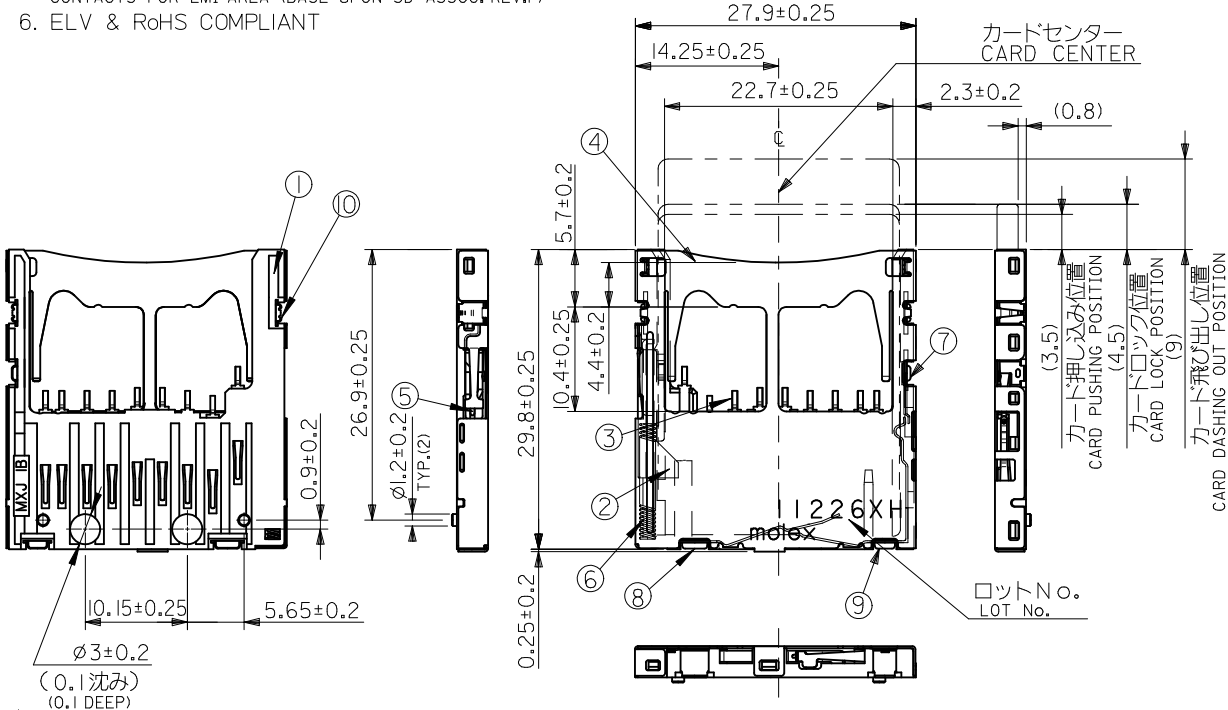
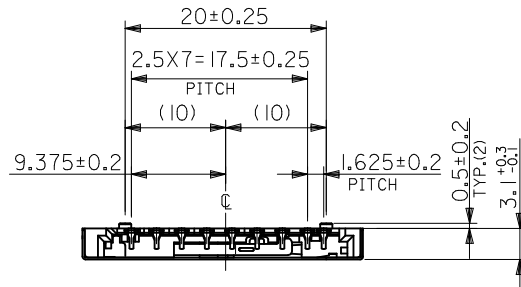
SD Card

This document was generated on 04/19/2010

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NOTES

- ターミナル及びネイル平坦度は 0.1 MAX.
TERMINAL AND NAIL COPLANARITY TO BE 0.1 MAX.
- 各スイッチのオープン/クローズ
OPENING/CLOSE OF EACH SWITCH
- 納入時、プッシュプッシュ機構はアンロック状態
(カード飛び出し位置)
WHEN DELIVERING, THE PUSH/PUSH MECHANISM IS IN
THE STATE OF THE UNLOCK.
(CARD DASHING OUT POSITION)
- 推奨基板厚 : 0.8±0.1
RECOMMENDED P.C.B. THICKNESS: 0.8±0.1
- EMI 用コンタクト範囲 (SD ASSOC. REV.F に準拠)
CONTACTS FOR EMI AREA (BASE UPON SD ASSOC. REV.F)
- ELV & RoHS COMPLIANT



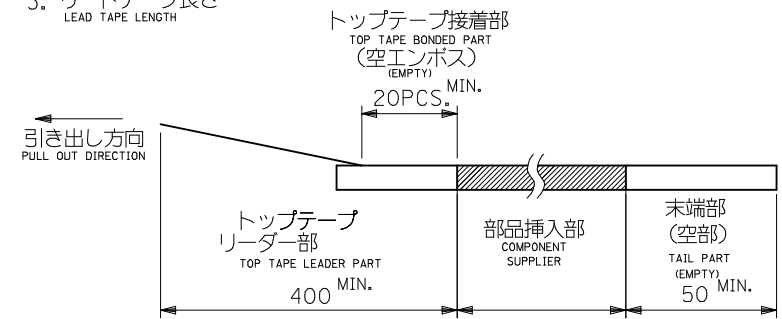
NO.	NAME	QTY	MATERIAL
①	ハウジング HOUSING	1	液晶ポリマー(LCP).ガラス充填 .UL94V-0, 黒 LIQUID CRYSTAL POLYMER(LCP),GLASS FILLED UL94V-0, BLACK
②	スライダーカム SLIDER CAM	1	液晶ポリマー(LCP).ガラス充填 .UL94V-0, 黒 LIQUID CRYSTAL POLYMER(LCP),GLASS FILLED UL94V-0, BLACK
③	ターミナル TERMINAL	9	磷青銅 PHOSPHOR BRONZE 接点部: 金めっき (0.2μm以上) 接点部: ニッケルパラジウムめっき (0.3μm以上) テール部: 鍍めっき (1.0μm以上) 下地: ニッケルめっき (1.5μm以上) CONTACT: GOLD PLATING(0.2MICROMETER MINIMUM.) CONTACT: PALLADIUM-NICKEL PLATING (0.3MICROMETER MINIMUM.) SOLDER TAIL: TIN PLATING(1.0MICROMETER MINIMUM.) UNDERPLATE: NICKEL OVERALL (1.5MICROMETER MINIMUM.)
④	メタルカバー METAL COVER	1	ステンレス鋼 STAINLESS STEEL
⑤	ピン PIN	1	ステンレス鋼 STAINLESS STEEL
⑥	スプリング SPRING	1	ピアノ線 SWP 全面: ニッケルメッキ (1.0μm以上) NICKEL OVERALL(1.0MICROMETER MINIMUM.)
⑦	プロテクトターミナル PROTECT TERMINAL	1	磷青銅 PHOSPHOR BRONZE 接点部: 金めっき (0.2μm以上) テール部: 鍍めっき (1.0μm以上) 下地: ニッケルめっき (2.0μm以上) CONTACT: GOLD PLATING(0.2MICROMETER MINIMUM.) SOLDER TAIL: TIN PLATING(1.0MICROMETER MINIMUM.) UNDERPLATE: NICKEL OVERALL (2.0MICROMETER MINIMUM.)
⑧	ディテクトターミナル DETECT TERMINAL	1	磷青銅 PHOSPHOR BRONZE 接点部: 金めっき (0.2μm以上) テール部: 鍍めっき (1.0μm以上) 下地: ニッケルめっき (2.0μm以上) CONTACT: GOLD PLATING(0.2MICROMETER MINIMUM.) SOLDER TAIL: TIN PLATING(1.0MICROMETER MINIMUM.) UNDERPLATE: NICKEL OVERALL (2.0MICROMETER MINIMUM.)
⑨	プロテクト & ディテクトターミナル PROTECT TERMINAL AND DETECT TERMINAL	1	磷青銅 PHOSPHOR BRONZE 接点部: 金めっき (0.2μm以上) 下地: ニッケルめっき (2.0μm以上) CONTACT: GOLD PLATING(0.2MICROMETER MINIMUM.) UNDERPLATE: NICKEL OVERALL (2.0MICROMETER MINIMUM.)
⑩	ネイル NAIL	2	黄銅 BRASS 鍍めっき (1.0μm以上) 下地: ニッケルめっき (1.0μm以上) TIN PLATING(1.0MICROMETER MINIMUM.) UNDERPLATE: NICKEL OVERALL (1.0MICROMETER MINIMUM.)

	プロテクトターミナル PROTECT TERMINAL		ディテクトターミナル DETECT TERMINAL
	カード書き込み 禁止状態 WRITE PROTECT POSITION	カード書き込み 可能状態 WRITE ENABLE POSITION	
カード未装着状態 CARD UNINSERTION	オープン OPEN	オープン OPEN	オープン OPEN
カード装着過程 CARD HALF INSERTION	クローズ CLOSE	クローズ CLOSE	オープン OPEN
カード装着 CARD INSERTION	オープン OPEN	クローズ CLOSE	クローズ CLOSE

REVISED EC NO: J2010-1147 DRWN:HAYASHI CHKD:MOTOMITA APPR:NUKITA	DESCRIPTION 2009/12/01 2009/12/02 2009/12/02	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY YSUGIURA	DATE 2004/12/08	TITLE SD CARD CONN.ASS'Y ULTRA SHORT NAIL NORMAL - LEAD FREE -				
		10 OVER 30 UNDER	± 0.25	CHECKED BY MTANAKA	DATE 2004/12/08					
		30 OVER	± 0.3	APPROVED BY NUKITA	DATE 2004/12/08	MOLEX MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.				SHEET NO.
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-500999-002				1 OF 2
	REV A		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

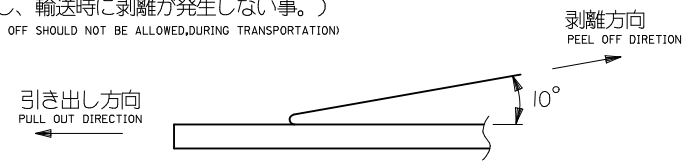
注)
NOTES

- 製品番号 500999-0909 の詳細寸法については、S/D図面を参照下さい。
IN THE PACKAGE , PART NO.500999-0909 DETAILED DIMENSIONS , SEE SALES DRAWING.
- 梱包数量 : 400 個/リール
NUMBER OF CONNECTORS : 400 PCS/REEL
- リードテープ長さ
LEAD TAPE LENGTH

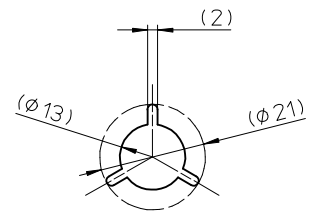
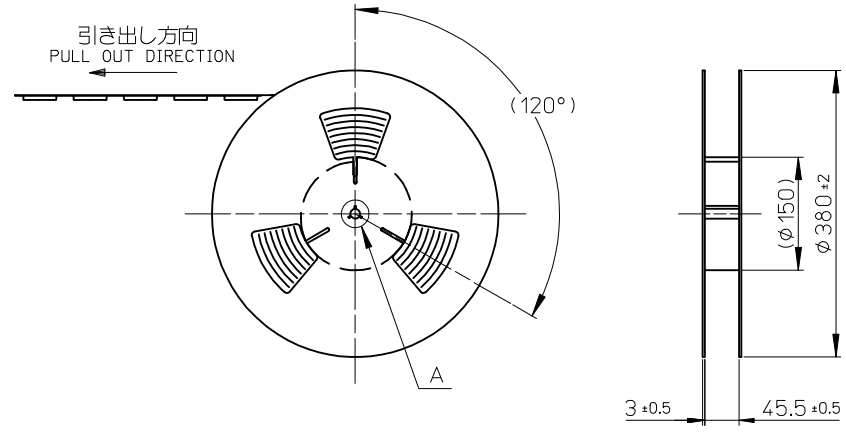


- トップテープの剥離強度 : (剥離方向は下図参照)
PEELING OFF FORCE OF TOP TAPE (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
0. 1~1. 3N (10. 2~130gf) : キャリアテープ幅 44mm
CARRIER TAPE WIDTH 44mm

尚、本規格値は、出荷時に適用。
THIS REQUIREMENT 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)



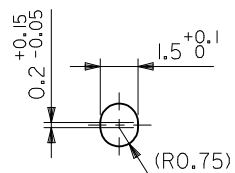
- 材料
MATERIAL
キャリアテープ : ポリプロピレン (PP)
CARRIER TAPE : POLYPROPYLENE (PP)
トップテープ : PET, PE, PEF
TOP TAPE : PET, PE, PEF
リール : 紙/プラスチック
REEL : CARD BOARD/PLASTIC



DETAIL A
SCALE 1:1

500999-0900		500999-****
MATERIAL No.		MODEL No.
DESIGN UNITS		THIRD ANGLE PROJECTION
METRIC		
SCALE		---
DIMENSION STYLE		MM ONLY
GENERAL TOLERANCES (UNLESS SPECIFIED)		
10 UNDER		± 0.25
10 OVER 30 UNDER		± 0.25
30 OVER		± 0.3
ANGULAR		± 3 °
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
DRAWN BY		DATE
YSUGIURA		2004/12/10
CHECKED BY		DATE
MTANAKA		2004/12/10
APPROVED BY		DATE
NUKITA		2004/12/10
MATERIAL NO.		DOCUMENT NO.
SEE CHART		SD-500999-004
SHEET NO.		1 OF 2
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

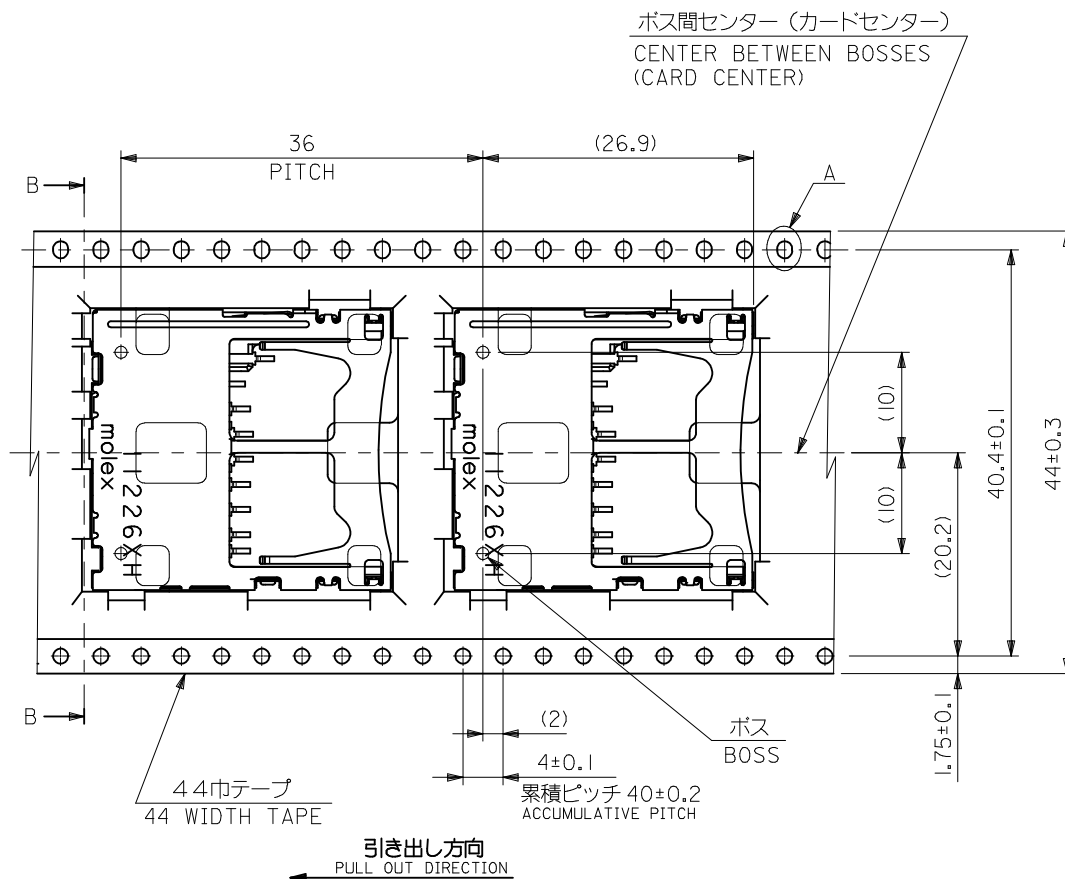


DETAIL A
(5-1)

500999-0909
CONNECTOR

トップテープ
TOP TAPE

SECTION B-B



RELEASED EC NO: J2005-1785 DRWN: SASAMORI 2004/12/17 CHKD: NUKITA 2004/12/17 APPR: NUKITA 2004/12/24	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
		10 UNDER	± 0.2	DRAWN BY YSUGIURA	DATE 2004/12/10	TITLE EMBOSS TAPE PACKAGE FOR 50999-0909 - LEAD FREE -		
		10 OVER 30 UNDER	± 0.25	CHECKED BY MTANAKA	DATE 2004/12/10			
		30 OVER	± 0.3	APPROVED BY NUKITA	DATE 2004/12/10	 MOLEX INCORPORATED		
		ANGULAR ±3 °		MATERIAL NO.				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1 OF 2		SD-500999-004		2 OF 2	
0	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						