

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

1050271001

Status:

Active

Overview:

microsd

Description:

1.10mm(.043"), 0.76mm(.030"), 0.70mm(.028") Pitch microSD Card Header with Detect Switch (Pin 8), Height 1.70mm (.067"), Lead Free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-105027-001 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Button Type

Comments

Component Type

Overview

Product Name

Type

Memory Card Sockets

105027

Push-Pull

Detect Pin located at Pin 8

I/O Header (Card)

microsd

microSD Card, TransFlash

N/A

Physical

Card Detection Switch

Circuits (Loaded)

Circuits (maximum)

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)

Pitch - Term. Interface (in)

Pitch - Term. 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

Yes

8

8

Black

10,000

No Ejector Button Present

Horizontal

Yes

Phosphor Bronze

Gold

Gold

High Temperature Thermoplastic

No

Normal

Yes

Embossed Tape on Reel

0.043 In

1.10 mm

0.043 In

1.10 mm

29.5

0.75

2

0.05

1

-40°C to +85°C

Surface Mount

Electrical

Current - Maximum per Contact

Shielded

Voltage - Maximum

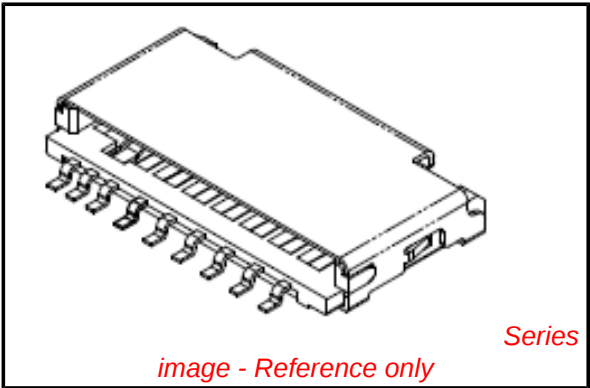
0.5A

Yes

5V DC

Material Info

Reference - Drawing Numbers



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

105027Series

Mates With

Standard SIM Card

Use With

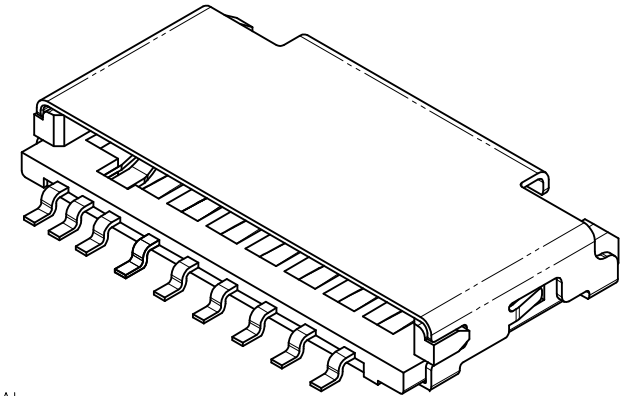
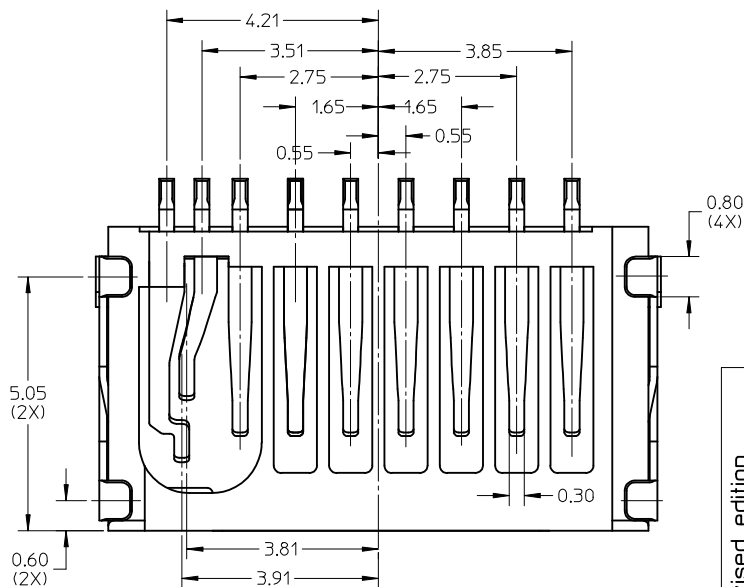
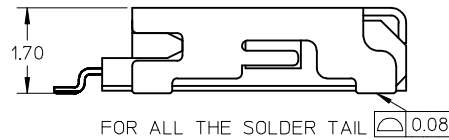
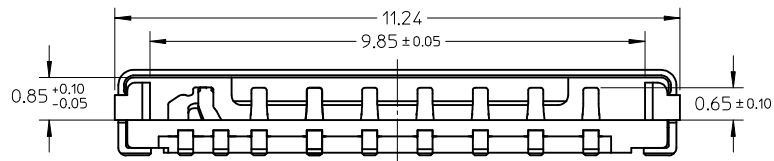
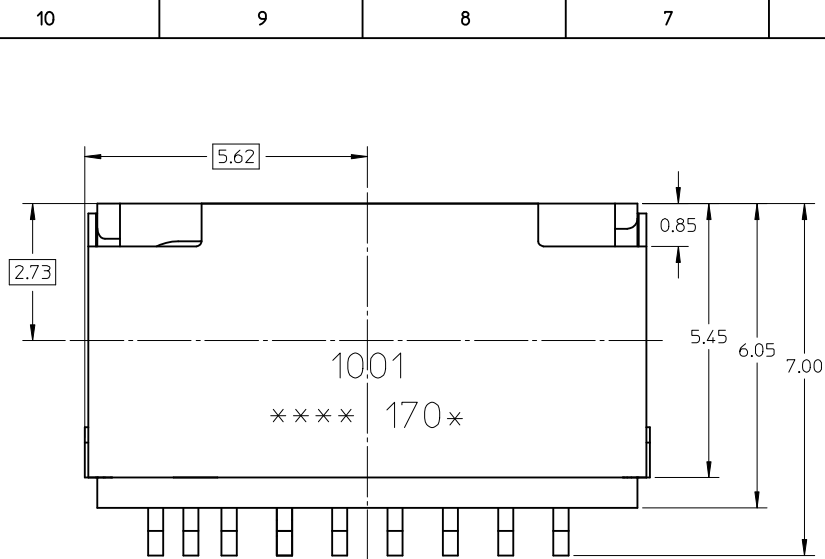
microSD Card

Packaging Specification
Product Specification
Sales Drawing
Test Summary

PK-105027-001
PS-105027-001
SD-105027-101
TS-105027-001

This document was generated on 05/31/2010

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NOTE:

1 MATERIAL:

- 1-1 HOUSING : HIGH TEMPERATURE THERMOPLASTIC,UL 94V-0,BLACK.
- 1-2 SIGNAL TERMINAL AND DETECT TERMINAL : PHOSPHOR BRONZE, THICKNESS: 0.12MM.
- 1-3 METAL SHELL : STAINLESS STEEL, THICKNESS: 0.15MM.

2 FINISH:

- 2-1 SIGNAL TERMINAL : 1.25MICRON MIN NICKEL UNDER-PLATED, 0.75 MICRON MIN GOLD PLATING ON CONTACT AREA,GOLD FLASH PLATED ON SOLDER AREA
- 2-2 METAL SHELL : 1.25 MICRON MIN. NICKEL PLATING OVER ALL, GOLD FLASH PLATED ON SOLDER AREA
- 2-3 DETECT PIN : 1.25 MICRON MIN NICKEL UNDER-PLATED, 0.75 MICRON MIN GOLD PLATED ON CONTACT AREA, GOLD FLASH PLATED ON SOLDER AREA

3 THE MARK "1001"MEANS WITH DETECT PIN TO PIN#8

THE MARK "****"MEANS THE DATE CODE.THE FIRST "*"MEANS THE MANUFACTURE YEAR, THE FOLLOW"***" MEANS THE MANUFACTUR DAY. FOR EXAMPLE "2006/01/02" SHOULD BE "6002". THE MARK"170" SHOW THE TOTAL HIGHT 1.70MM OF THE PRODUCT, THE LAST "*"IS SHIFT IDENTIFY CODE"A,B,C".

4 PRODUCT SPECIFICATION: PS-105027-001.

5 PACKAGE SPECIFICATION: PK-105027-001.

6 COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV 2000/53/EC.

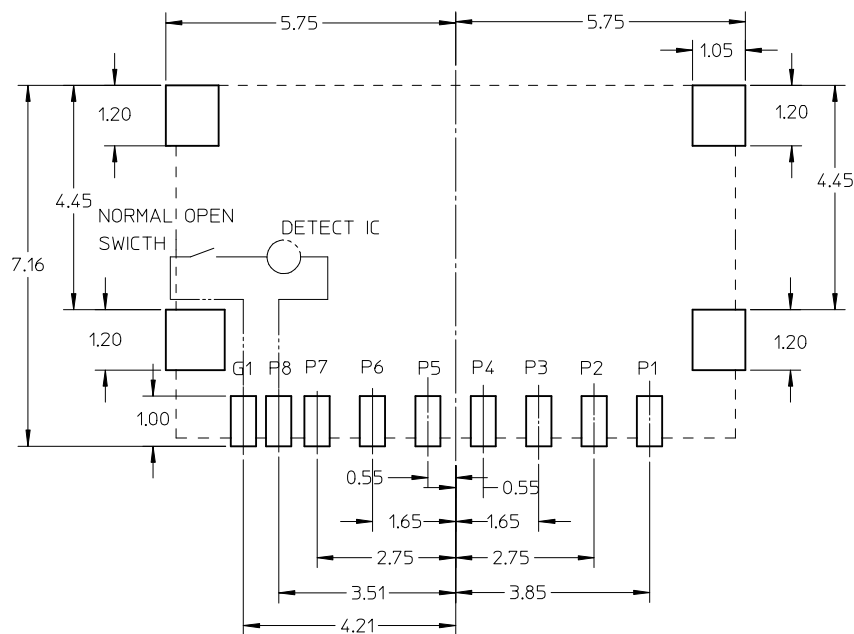
revised edition	EC NO: SH2009-0498	2009/01/16	2009/01/20
	DRW:LLIU10	CHKD:YLZHU	APPR:HWANG
B	DESCRIPTION	REV	

QUALITY SYMBOLS
▽=0
⊥=0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.20	± ---
ANGULAR ± 1 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
LLIU10	2008/05/08
CHECKED BY	DATE
YLZHU	2008/12/10
APPROVED BY	DATE
HWANG	2008/12/13
MATERIAL NO.	
1050271001	
SIZE	
A3	

SCALE 10:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION
TITLE 1.7H TFR HEADER DETECT PIN WITH PIN8			
molex MOLEX INCORPORATED			
DOCUMENT NO. SD-105027-101			SHEET NO. 1 OF 2
AINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



RECOMMEND PCB LAYOUT
TOLERANCE OF PCB LAYOUT:±0.05

----- CONNECTOR PROFILE

G1	SWITCH1
P8	SWITCH2
P7	D0
P6	VSS
P5	SCLK
P4	VDD
P3	DI
P2	CS
P1	RSV
PIN NUMBER	PIN NAME

see sheet1 EC NO: SH2009-0498 DRWN:LLIU10 CHKD:YLZHU APPR:HWANG 2009/01/20	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		 =0  =0		mm	INCH	DRAWN BY LLIU10	DATE 2008/05/08	TITLE 1.7H TFR HEADER DETECT PIN WITH PIN8		
		4 PLACES	± ---	± ---	CHECKED BY YLZHU	DATE 2008/12/10				
		3 PLACES	± ---	± ---	APPROVED BY HWANG			MOLEX MOLEX INCORPORATED		
		2 PLACES	± 0.15	± ---						
REV		1 PLACE	± 0.20	± ---	MATERIAL NO. 1050271001		DOCUMENT NO. SD-105027-101		SHEET NO. 2 OF 2	
		ANGULAR ± 1 °								
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				