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Part Number:

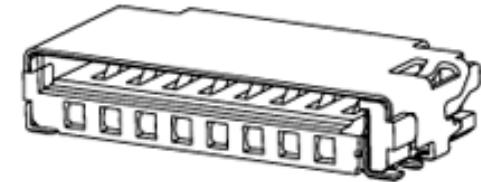
0475710001

Status:

Active

Description:

1.10mm (.043") Pitch microSD Card Header with Detect Switch, Height 2.30mm (.091"), Lead Free



Series

image - Reference only

Documents:

- 3D Model

Product Specification PS-47309-001 (PDF)
- Drawing (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family	Memory Card Sockets
Series	47571
Button Type	Push-Pull
Comments	Push-Pull Type
Component Type	I/O Header (Card)
Product Name	microSD Card, TransFlash
Type	N/A

Physical

Card Detection Switch	Yes
Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Black
Durability (mating cycles max)	10,000
Ejector Button Side	No Ejector Button Present
Entry Angle	90° Angle
Keying to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Nickel
Material - Resin	High Temperature Thermoplastic
PCB Locator	No
PCB Mounting Side	Reverse
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.043 In
Pitch - Mating Interface (mm)	1.10 mm
Pitch - Term. Interface (in)	0.043 In
Pitch - Term. Interface (mm)	1.10 mm
Plating min: Mating (µin)	29.5
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	49.2
Plating min: Termination (µm)	1.25
Ports	1
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	0.5A
Shielded	Yes
Voltage - Maximum	5V

Solder Process Data

Duration at Max. Process Temperature (seconds)	20
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	2

EU RoHS

ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
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
47571Series

Mates With
Standard SIM Card

Use With
microSD Card

Process Temperature max. C	255
Material Info	
Reference - Drawing Numbers	
Product Specification	PS-47309-001
Sales Drawing	SD-47571-001

This document was generated on 03/31/2010

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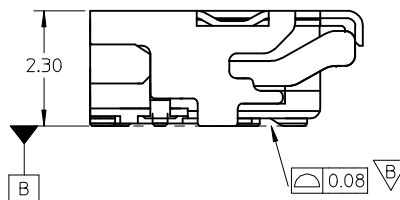
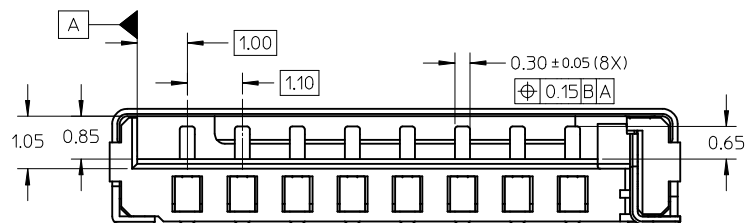
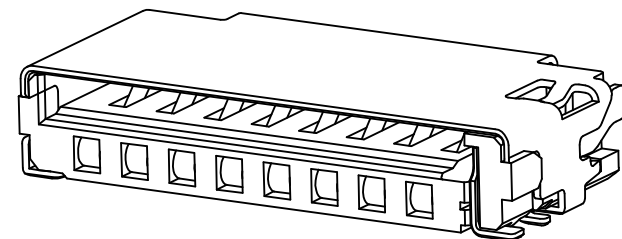
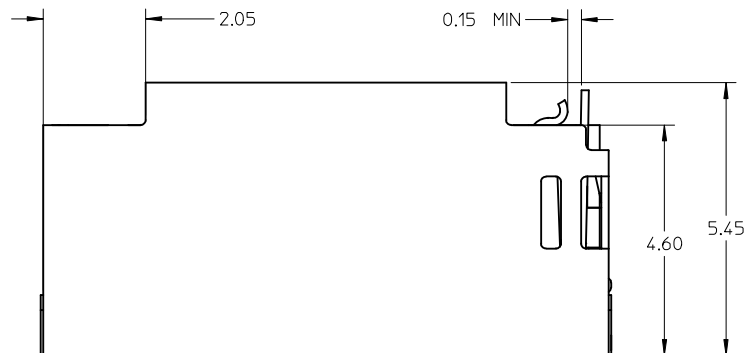
E

D

C

B

A



NOTE:

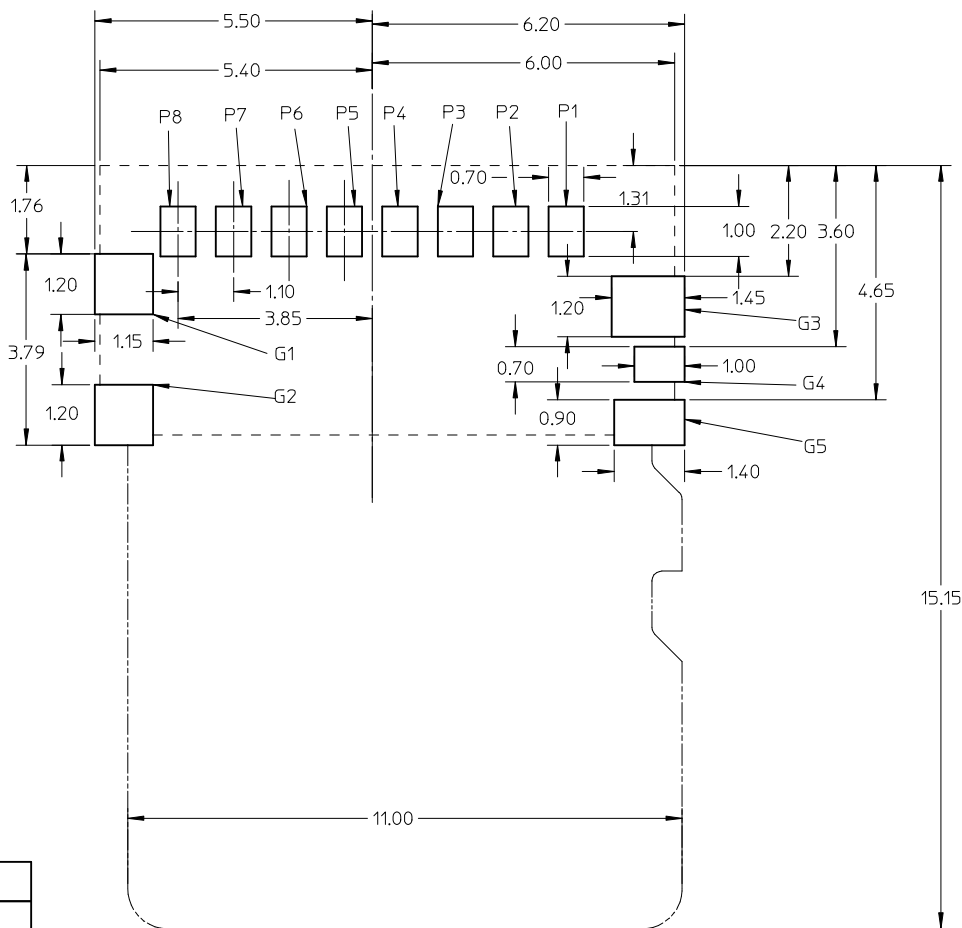
1 MATERIAL:

- 1-1 HOUSING : LCP, 30% G/F, UL 94V-0, BLACK
- 1-2 SIGNAL TERMINAL AND DETECT TERMINAL : PHOSPHOR BRONZE
- 1-3 METAL SHELL : STAINLESS STEEL

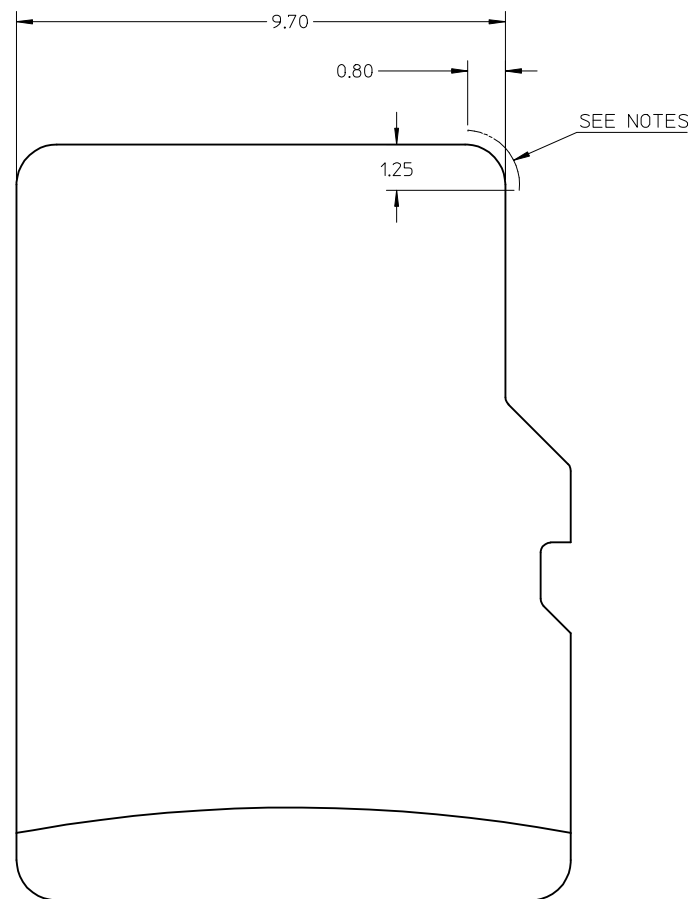
2 FINISH:

- 2-1 SIGNAL TERMINAL : 1.25-6.25 MICRON NICKEL MIN UNDER-PLATED, 0.75-1.25 MICRON GOLD MIN ON CONTACT AREA, GOLD FLASH PLATED ON SOLDER AREA
 - 2-2 METAL SHELL : GOLD FLASH PLATED OVER NICKEL ON SOLDER AREA
 - 2-3 DETECT PIN : 1.25-6.25 MICRON NICKEL MIN UNDER-PLATED GOLD FLASH PLATED ON CONTACT AREA, TIN PLATED ON SOLDER AREA
- 3 PRODUCT SPECIFICATION: PS-47309-001.

CHANGE CO-PLANARITY T00.08			QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
EC NO: SH2009-0232			2008/11/26		mm INCH		MM ONLY		15:1	METRIC			
DRW:LLIU10			2008/11/27		4 PLACES ± --- ± ---		DRAWN BY DATE		TITLE				
CHKD:YLZHU			2008/11/27		3 PLACES ± --- ± ---		IYAN HE 2007/06/12						
APPR:HWANG			2008/12/03		2 PLACES ± 0.15 ± ---		CHECKED BY DATE		TFR HEADER W/DETECT PIN				
REV			DESCRIPTION		1 PLACE ± 0.25 ± ---		XIXU 2007/06/12						
					ANGULAR ± 1 °		APPROVED BY DATE		MOLEX MOLEX INCORPORATED				
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		JNCHEN 2007/06/12						
							MATERIAL NO.		DOCUMENT NO.				
							475710001						
							SIZE		SD-47571-001				
							A3						
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												SHEET NO.	
												1 OF 2	



----- CONNECTOR PROFILE
 ----- CARD PROFILE



NOTES,

NO CONDUCTIVE EXPOSURE TRACE IS ALLOWED ON THE SIDE FACE OF THE CARD AT THIS AREA.

G5	DET
G4	POL
G3	GND
G2	GND
G1	GND
P8	DAT1
P7	DAT0
P6	VSS
P5	CLK
P4	VDD
P3	CMD
P2	CD/DAT3
P1	DAT2
PIN NUMBER	PIN NUMBER

SEE SHEET1 EC NO: SH2009-0232 DRWN:LIU10 CHKD:YLZHU APPR:HWANG	2008/11/26	2008/11/27	2008/12/03
	DESCRIPTION	REV	REV
	DESCRIPTION	REV	REV
	DESCRIPTION	REV	REV

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 1 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
IVAN HE	2007/06/12
CHECKED BY	DATE
XIXU	2007/06/12
APPROVED BY	DATE
JNCHEN	2007/06/12
MATERIAL NO.	
475710001	
SIZE	
A3	

SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
TITLE TFR HEADER W/DETECT PIN		
MOLEX INCORPORATED		
DOCUMENT NO. SD-47571-001		SHEET NO. 2 OF 2
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Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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