

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0475710001

Status:

Active

Description:

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

Documents:

3D Model

Drawing (PDF)

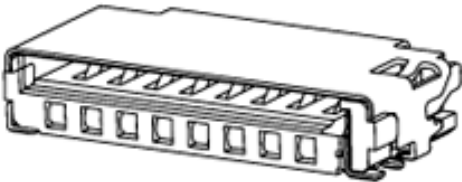
Product Specification PS-47309-001 (PDF)

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



Series
image - Reference only

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

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

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

10 9 8 7 6 5 4 3 2 1

F

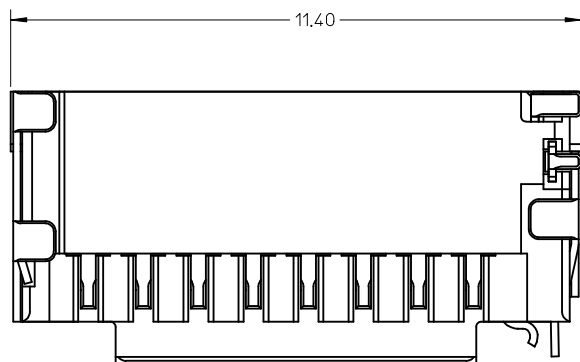
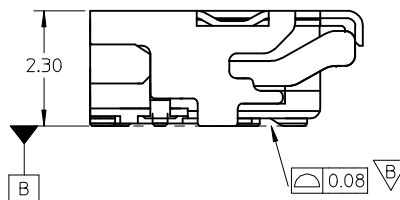
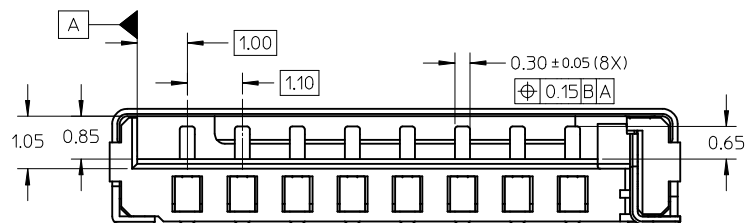
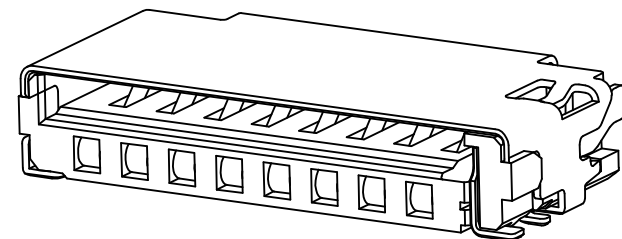
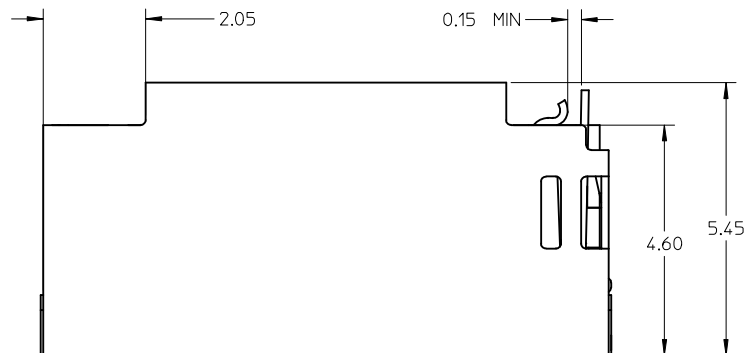
E

D

C

B

A



NOTE:

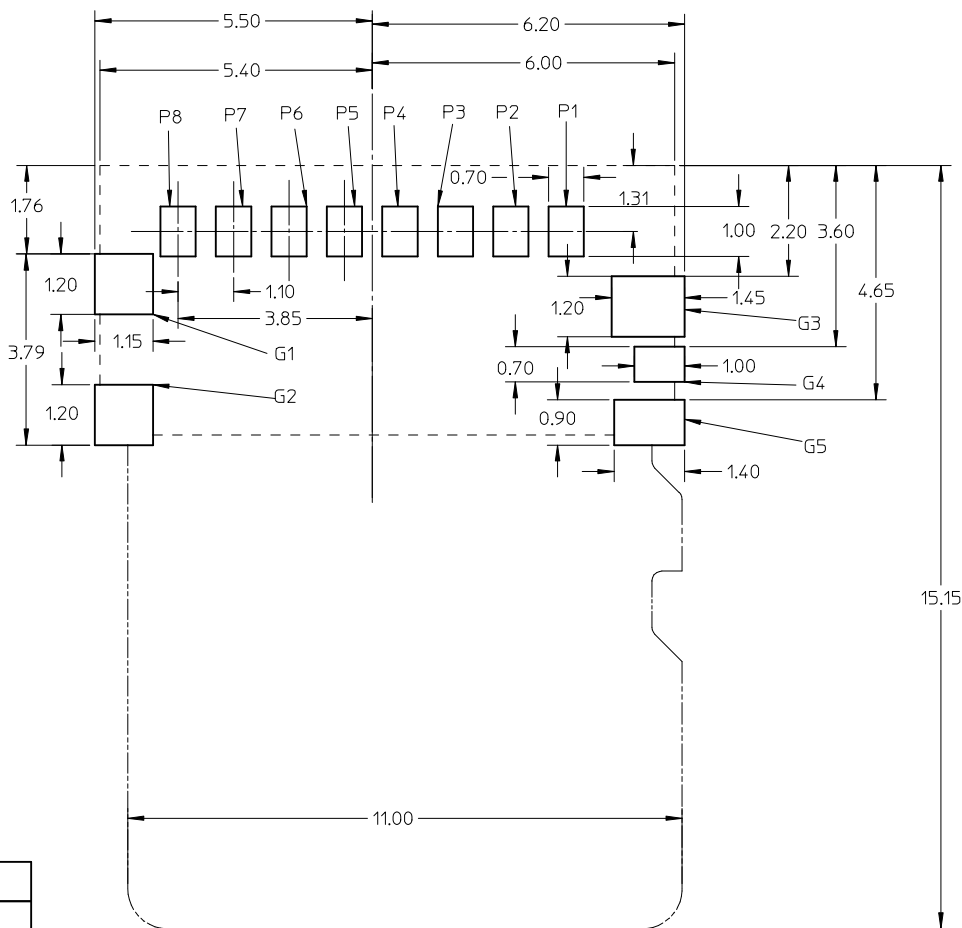
1 MATERIAL:

- 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

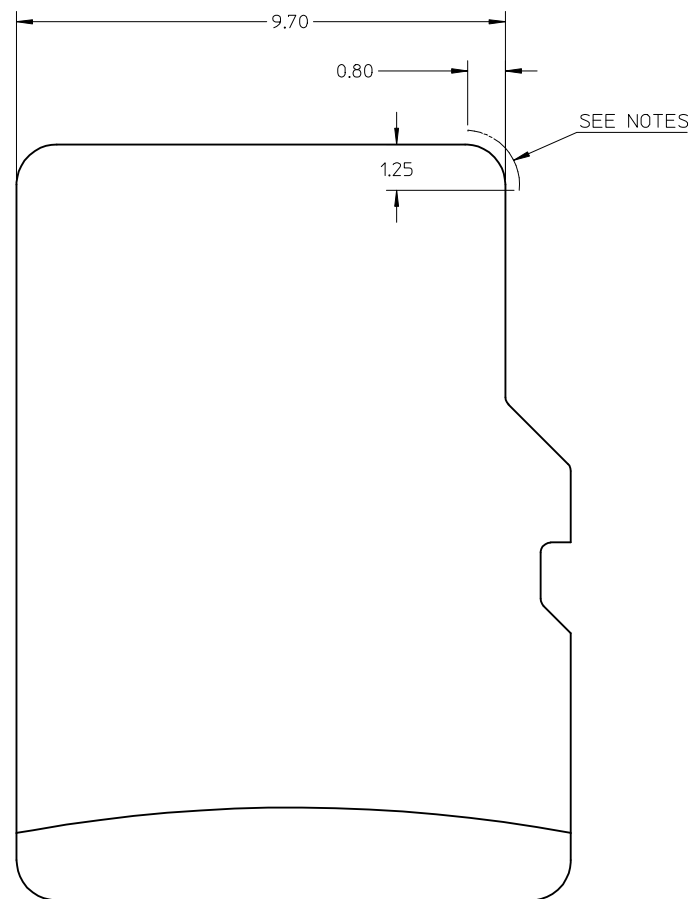
2 FINISH:

- 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 EC NO: SH2009-0232 DRW:LLIU10 2008/11/26 CHKD:YLZHU 2008/11/27 APPR:HWANG 2008/12/03				QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 15:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION							
B	DESCRIPTION	mm INCH			DRAWN BY DATE		TITLE TFR HEADER W/DETECT PIN											
		4 PLACES ± --- ± ---	IVAN HE 2007/06/12															
		3 PLACES ± --- ± ---	CHECKED BY DATE															
		2 PLACES ± 0.15 ± ---	XIXU 2007/06/12															
		1 PLACE ± 0.25 ± ---	APPROVED BY DATE															
		ANGULAR ± 1 °			JNCHEN 2007/06/12		molex MOLEX INCORPORATED											
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.								DOCUMENT NO.				SHEET NO.	
					475710001								SD-47571-001				1 OF 2	
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																



----- 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	2008/11/26	2008/11/27	2008/12/03
DRWN:LLIU10	CHKD:YLZHU	APPR:HWANG		
B				

QUALITY SYMBOLS	DESCRIPTION
▽=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
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	