

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0473521001](#)
Status: **Active**
Description: 1.10mm (.043") Pitch microSD Card Connector, Push-Push Type, with VSS (Supply Voltage Ground) Detect Switch, Lead Free

Documents:

[3D Model](#) [Product Specification PS-47334-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	Memory Card Sockets
Series	47352
Button Type	Push-Push
Comments	Push-Push Type With VSS (Supply Voltage Ground) Detect Switch
Component Type	Header & Ejector (Host)
Product Name	microSD Card, TransFlash
Type	N/A

Physical

Card Detection Switch	Open
Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Black
Durability (mating cycles max)	5,000
Ejector Button Side	No Ejector Button Present
Entry Angle	90° Angle (Side Entry)
Keying to Mating Part	Yes
Material - Metal	Stainless Steel
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
PCB Locator	No
PCB Mounting Side	Normal
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
Ports	1
Temperature Range - Operating	-20°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	0.5A
Shielded	Yes
Voltage - Maximum	100V DC

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	2
Process Temperature max. C	250

Material Info

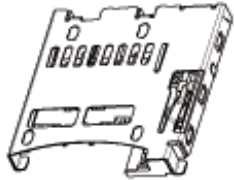


image - Reference only **Series**

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
[47352Series](#)

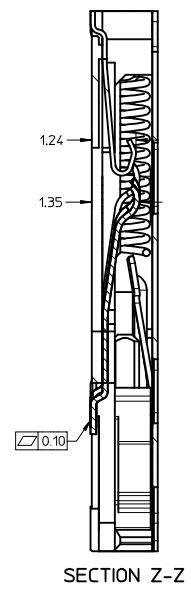
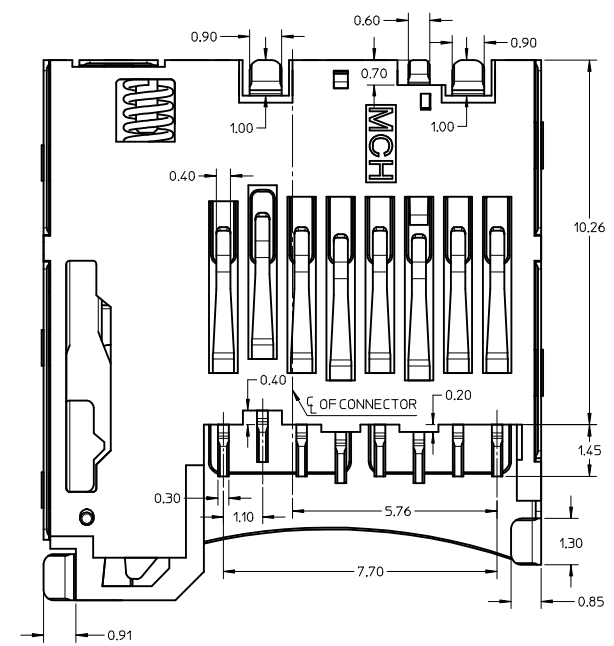
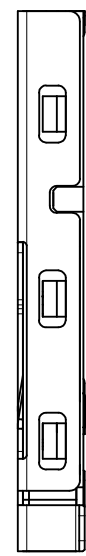
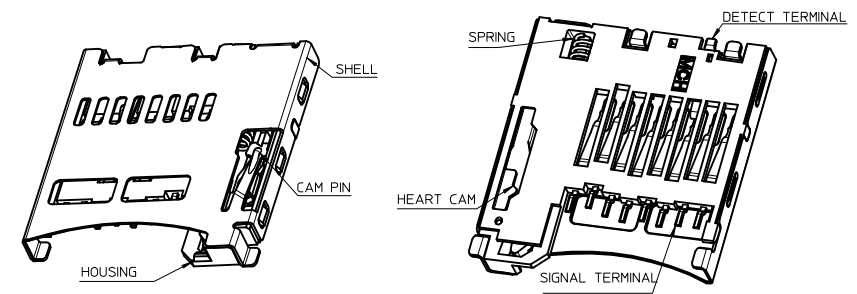
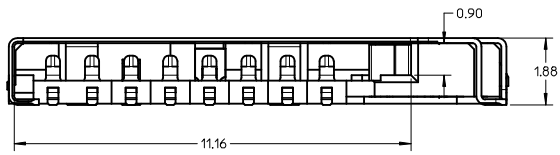
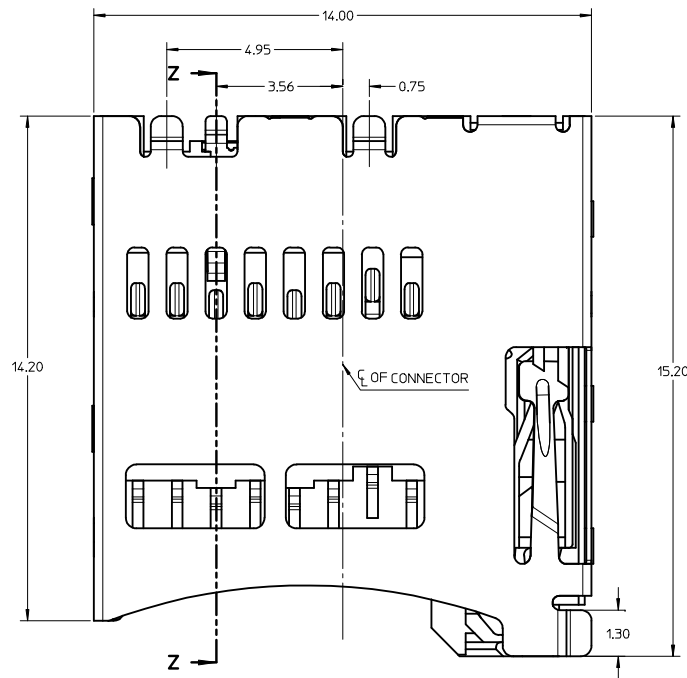
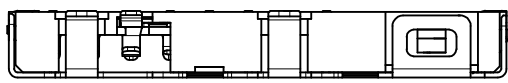
Use With
microSD Card

Reference - Drawing Numbers

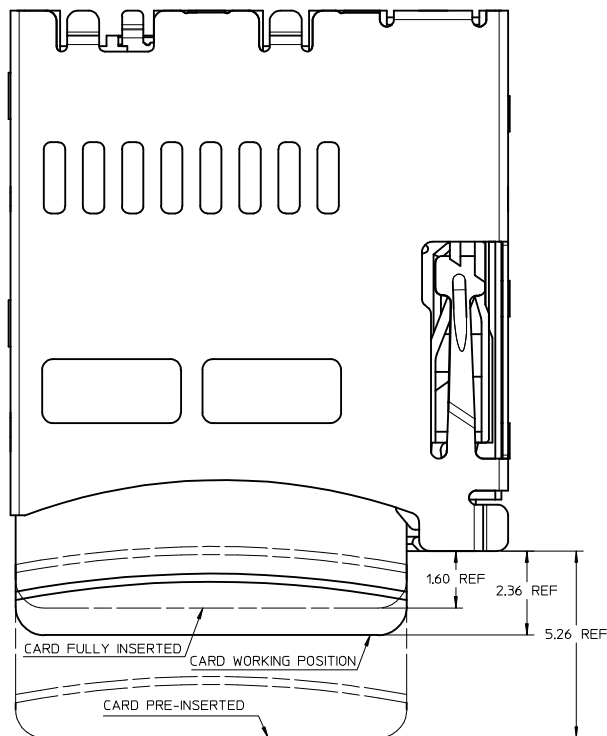
Packaging Specification	PK-47219-001, PK-47352-101
Product Specification	PS-47334-001
Sales Drawing	SD-47352-101
Test Summary	TS-47334-001

This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



REVISE	EC NO: SH2008-0541 D DRAWN: XJ SONG CHKD: XJ SONG APPR: HWANG	DESCRIPTION 2009/03/13 2009/03/18 2009/05/07	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY XU XIANG	DATE 2005-11-14	TITLE TFR&MICRO SD CARD READER PUSH PUSH TYPE VSS DETECT SWITCH MOLEX INCORPORATED	DOCUMENT NO. SD-47352-101			
				4 PLACES	± ---	± ---	CHECKED BY XU XIANG	DATE 2006-06-22					
				3 PLACES	± ---	± ---	APPROVED BY YJWU	DATE 2006-06-22					
				2 PLACES	± 0.15	± ---	MATERIAL NO. 473521001						
				1 PLACE	± ---	± ---	SIZE A2	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
				ANGULAR ±1/2°			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SHEET NO. 1 OF 2			



NOTES:

1 MATERIAL:

- 1-1 SIGNAL TERMINAL, DETECT TERMINAL : COPPER ALLOY
- 1-2 SHELL, CAM PIN, SPRING : STAINLESS STEEL
- 1-3 HOUSING, CAM : LCP, UL 94-V0, BLACK

2 FINISH:

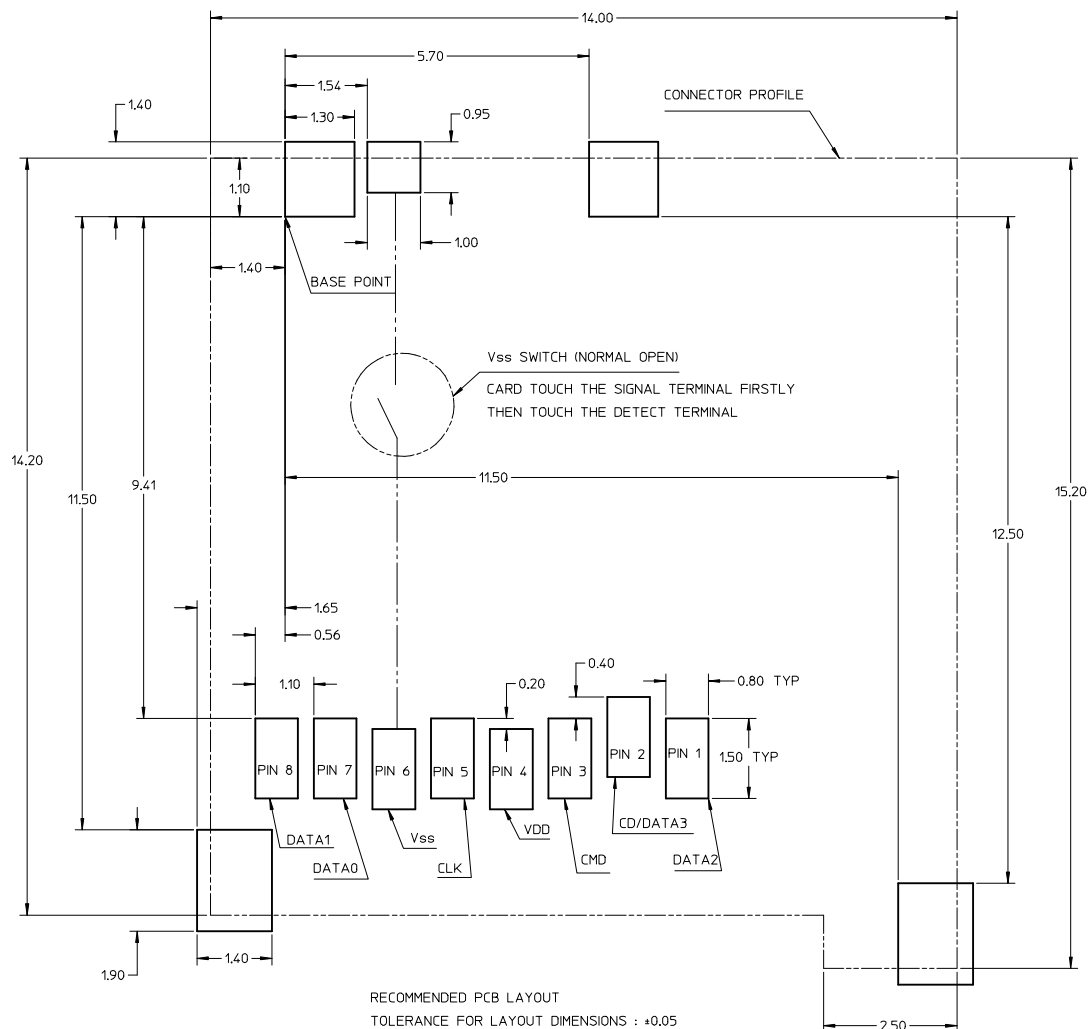
- 2-1 SIGNAL & DETECT TERMINAL : NICKEL UNDERPLATED, GOLD PLATING ON CONTACT AREA
TIN PLATING ON SOLDER TAIL
- 2-2 SHELL : GOLD FLASH OVER NICKEL UNDERPLATED ON SOLDER PAD

3 MECHANICAL SPECIFICATION:

- REPEATED 5,000 TIMES MATING AND UNMATING CYCLES AND STILL MEET ELECTRICAL CHARACTERISTICS

4 ELECTRICAL SPECIFICATION:

- 4-1 RATED CURRENT (PER CONTACT) : 0.5AMPS MAX AND TEMPERATURE RISE SHOULD BE 30°C MAX
- 4-2 INSULATION RESISTANCE(I.R) : 100 MEGOHMS MIN.
- 4-3 DIELECTRIC WITHSTANDING VOLTAGE : 500 VAC
- 4-4 CONTACT RESISTANCE: 100 MILLIOHMS MAX



RECOMMENDED PCB LAYOUT
TOLERANCE FOR LAYOUT DIMENSIONS : ±0.05

SEE SHEET1 EC NO: SH2008-0541 2009/03/13 DRWN:XJ.SONG 2009/03/18 CHKD:XJ.SONG APPR:HWANG 2009/05/07	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY XU XIANG	DATE 2005-11-14	TITLE TFR&MICRO SD CARD READER PUSH PUSH TYPE VSS DETECT SWITCH		
				4 PLACES	± ---	± ---	CHECKED BY XU XIANG	DATE 2006-06-22	MOLEX INCORPORATED	
				3 PLACES	± ---	± ---	APPROVED BY YJWU	DATE 2006-06-22		
				2 PLACES	± 0.15	± ---	MATERIAL NO. 473521001	DOCUMENT NO. SD-47352-101		
				1 PLACE	± ---	± ---	SHEET NO. 2 OF 2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
				ANGULAR ±1/2°						
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						