This document was generated on 03/31/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

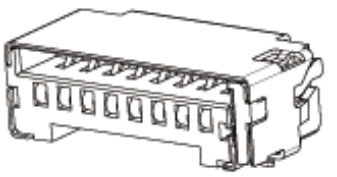
Part Number: 0473093751

Status: Active

Description: 1.10mm (.043") Pitch microSD Card Header, with Detect Switch, Height 3.75mm (.148"), Lead free

Documents:

3D Model
Drawing (PDF)
Product Specification PS-47309-001 (PDF)
RoHS Certificate of Compliance (PDF)



Series image - Reference only

General

Product Family	Memory Card Sockets
Series	47309
Button Type	Push-Pull
Comments	<LI>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	Gold
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)	2
Plating min: Termination (µm)	0.05
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)	10
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	2

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Not Reviewed
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
47309Series

Mates With
Standard SIM Card

Use With
microSD Card

Process Temperature max. C	255

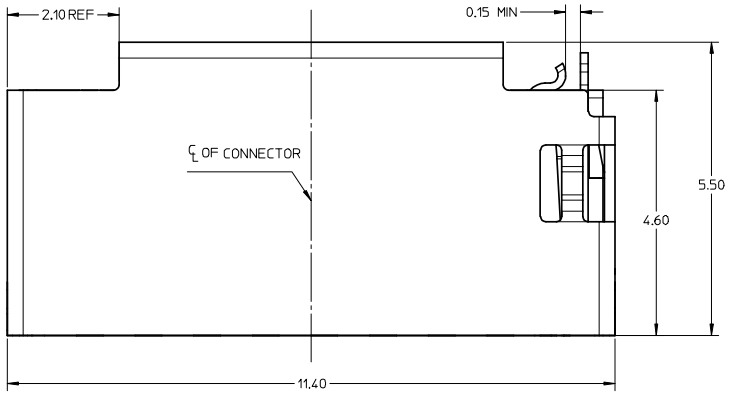
Material Info

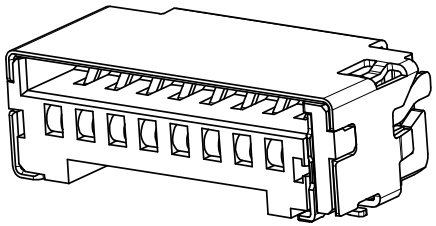
Reference - Drawing Numbers

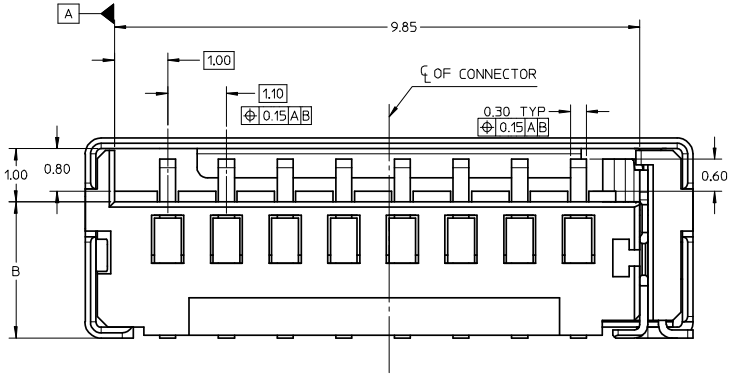
Product Specification	PS-47309-001
Sales Drawing	SD-47309-001

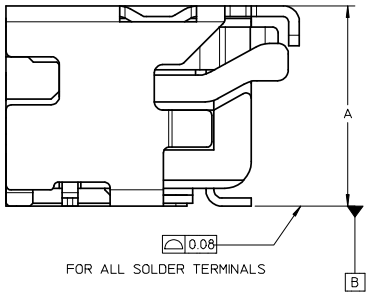
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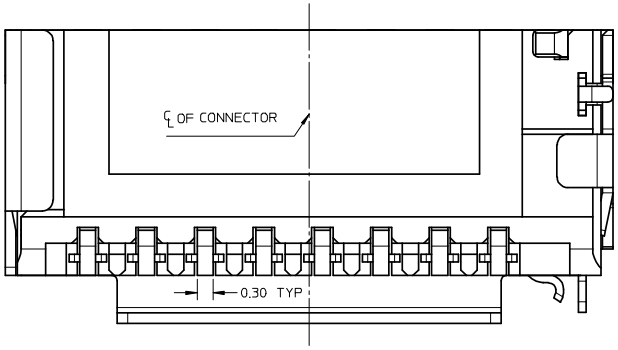








FOR ALL SOLDER TERMINALS



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.

PART NUMBER	DIMENSION A	DIMENSION B
473093751	3.75	2.55
473093551	3.55	2.35
473093351	3.35	2.15
473092851	2.85	1.65
473092651	2.65	1.45

REVISION
EC NO: SHZ0809399
DRWN: LLIU10 2008/02/22
CH'KD: YLZHU02 2008/03/11
APPR: HWWANG 2008/04/02
DESCRIPTION
REV: B

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
SCALE: 15:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: X I XU DATE: 2005/12/24
CHECKED BY: Y JWU DATE: 2005/12/24
APPROVED BY: Y JWU DATE: 2005/12/24

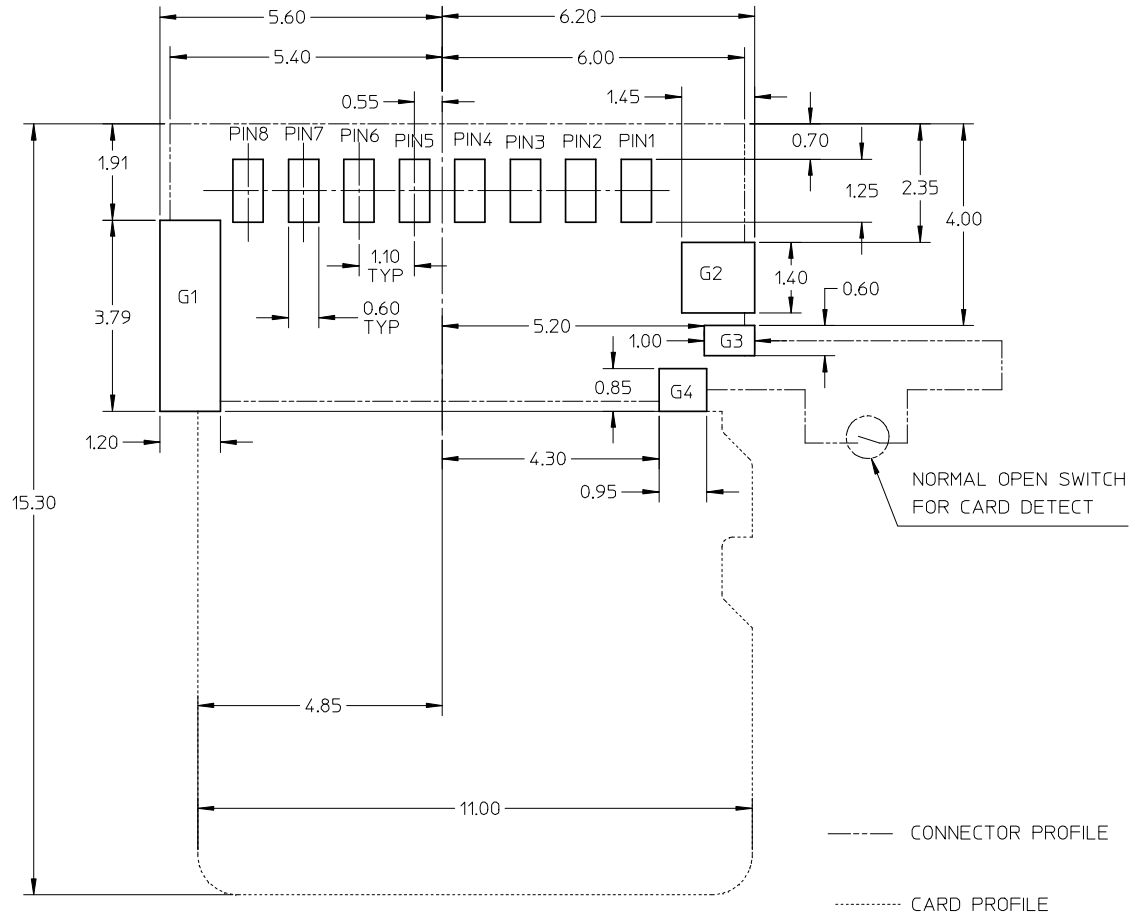
TITLE: TFR HEADER W/DETECT PIN

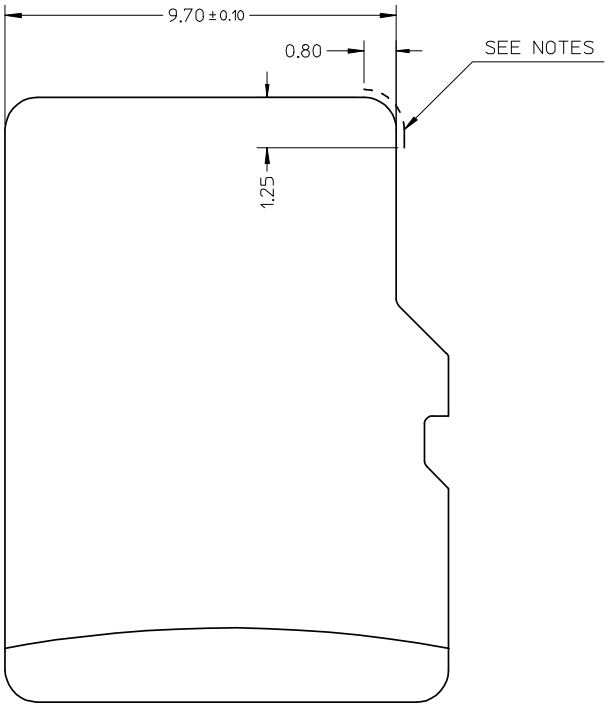
MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-47309-001
SHEET NO.: 1 OF 2

SIZE: A2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION





TRF CARD

G4	DET
G3	POL
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

RECOMMENDED PCB LAYOUT

TOLERANCE FOR PCB LAYOUT : ±0.05

NOTES;

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

REVISION

REV	DESCRIPTION	
B	EC NO: SH2008-0399	2008/02/22
	DRWN:LLIU10	2008/03/11
	CH'KD:YLZHU02	
	APPR:HWWANG	2008/04/02

QUALITY SYMBOLS

▼=0

▽C=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
SCALE	15:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	XIXU
DATE	2005/12/24
CHECKED BY	YJWU
DATE	2005/12/24
APPROVED BY	YJWU
DATE	2005/12/24
TITLE	TFR HEADER W/DETECT PIN
	MOLEX INCORPORATED
MATERIAL NO.	SEE TABLE
DOCUMENT NO.	SD-47309-001
SHEET NO.	2 OF 2
SIZE	A3

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