

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0470191602

Status:

Active

Overview:

sim_smart_card

Description:

2.54mm (.100") Pitch SIM Card Connector, 6 Circuits, Housing Height 1.60mm (.063"), Lead Free

Documents:

Drawing (PDF)

Product Specification PS-47019-001 (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	Memory Card Sockets
Series	47019
Button Type	N/A
Comments	Housing Height: 1.60mm (.063")
Component Type	Header/Socket (Host)
Overview	sim_smart_card
Product Name	SIM
Type	N/A
Physical	
Card Detection Switch	No
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Black
Durability (mating cycles max)	3,000
Ejector Button Side	No Ejector Button Present
Entry Angle	90° Angle (Side Entry), Vertical (Top Entry)
Keying to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
PCB Mounting Side	Normal
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Plating min: Mating (µin)	15
Plating min: Mating (µm)	0.38
Plating min: Termination (µin)	2
Plating min: Termination (µm)	0.05
Ports	1
Temperature Range - Operating	-30°C to +85°C
Termination Interface: Style	Surface Mount
Electrical	
Current - Maximum per Contact	0.5A
Shielded	No
Voltage - Maximum	15V DC
Voltage Key	N/A
Solder Process Data	
Duration at Max. Process Temperature (seconds)	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

47019Series

Mates With

Standard SIM Card

Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	255

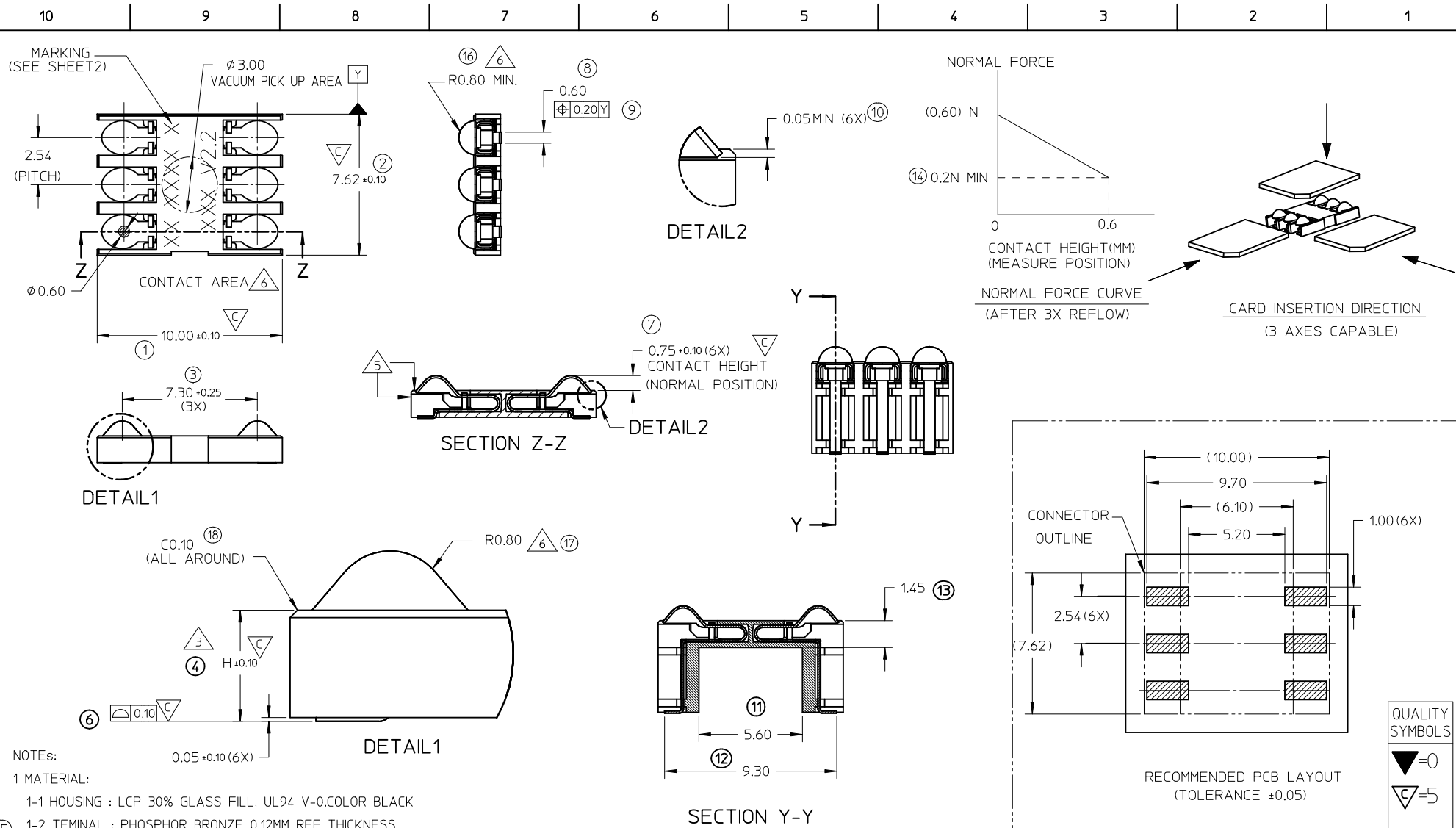
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-47019-001
Product Specification	PS-47019-001
Sales Drawing	SD-47019-002

This document was generated on 05/26/2010

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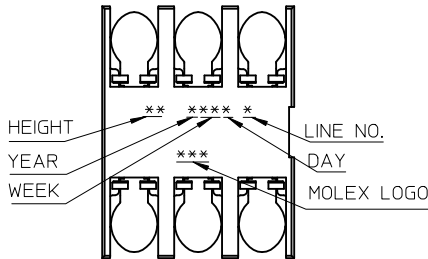
- NOTES:
- 1 MATERIAL:
- 1-1 HOUSING : LCP 30% GLASS FILL, UL94 V-0,COLOR BLACK
- 1-2 TERNAL : PHOSPHOR BRONZE 0.12MM REF THICKNESS
- 2 PLATING:TERMINAL:
- 2-1 SIM SIDE (CONTACT AREA): 0.38 MICROMETER MIN GOLD
- 2-1 SOLDER TAIL : GOLD FLASH 0.05 MICROMETER MIN
- 2-3 UNDERPLATING : 2 MICROMETER NICKEL OVERALL
- 3 H DIMENSION MINIMUM=1.50,MAXIMUM=5.00(SEE CHART ON SHEET 2)
- 4 NO SHARP EDGES INTERFACING WITH THE PCB OR SIM CARD
- 5 CONTACT MUST NOT EXTENDED BEYOND HOUSING EDGE DURING DEFLECTION AND MUST LOWER THAN HOUSING LEVEL AFTER 3 TIMES REFLOW
- 6 MAINTAIN IN CONTACT AREA

RELEASED EC NO: 5842000-0355 DRWN: JLU39 CHKD: LANDY APPR: WFDENG 2010/03/10 2010/03/10 2010/04/02	DESCRIPTION	QUALITY SYMBOLS ▽_A=0 ▽_B=0 ▽_P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY KHLIM	DATE 2009/12/18	TITLE 6 CKT SCALABLE SIM CONNECTOR					
			4 PLACES	± ---	± ---	CHECKED BY JXYONG	DATE 2010/01/07						
			3 PLACES	± ---	± ---	APPROVED BY WFDENG		DATE 2010/03/29	MOLEX MOLEX INCORPORATED				
			2 PLACES	± 0.10	± ---								
			1 PLACE	± 0.2	± ---	MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		SD-47019-002				1 OF 2				
B	REV		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

F	PART NUMBER	DIM H
	470191502	1.5
	470191602	1.6
	470191702	1.7
	470191802	1.8

HEIGHT	YEAR	WEEK	DAY	LINE NO.	MOLEX LOGO		
15--50	0--9	01--52	1--7	1--	MSH	MCH	MCD
Example 20	Example 0-2010	Example 13	Example 1	Example 2	PRODUCE IN SHANGHAI	PRODUCE IN DONG GUAN	PRODUCE IN CHENG DU

 PRODUCTION TOOL PART PRINTED DATE CODE



RELEASED

EC NO: 55H2000-0355

DRWN: JLU39

CHKD: LANDY

APPR: WFDENG

REV

2010/03/10

2010/03/10

2010/04/02

DESCRIPTION

REV

QUALITY SYMBOLS

$F_A=0$

$F_C=0$

$F_P=0$

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	$\pm$ ---	$\pm$ ---
3 PLACES	$\pm$ ---	$\pm$ ---
2 PLACES	$\pm$ 0.10	$\pm$ ---
1 PLACE	$\pm$ 0.2	$\pm$ ---

ANGULAR $\pm$ 2 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY	DATE
KHLIM	2009/12/18
CHECKED BY	DATE
JXYONG	2010/01/07
APPROVED BY	DATE
WFDENG	2010/03/29

MATERIAL NO.

SEE TABLE

SIZE

A3

SCALE

NTS

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

TITLE

6 CKT
SCALABLE SIM CONNECTOR

 MOLEX INCORPORATED

DOCUMENT NO.

SD-47019-002

SHEET NO.

2 OF 2