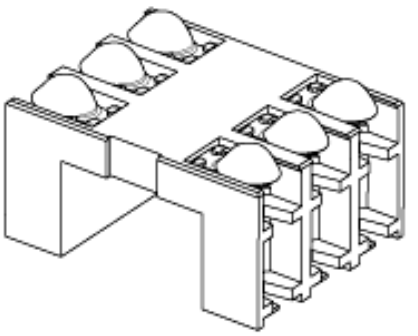
This document was generated on 05/27/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0470192402
Status: Active
Overview: sim__smart_card
Description: 2.54mm (.100") Pitch SIM Card Connector, 6 Circuits, Housing Height 2.40mm (.094"), Lead Free

Documents:
3D Model
Drawing (PDF)
RoHS Certificate of Compliance (PDF)



Series image - Reference only

General

Product Family	Memory Card Sockets
Series	47019
Button Type	N/A
Comments	Housing Height: 2.40mm (.094")
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 Locator	No
PCB Mounting Side	Reverse
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)	32
Plating min: Mating (µm)	0.8
Plating min: Termination (µin)	2
Plating min: Termination (µm)	0.05
Ports	0
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

Solder Process Data

Duration at Max. Process Temperature (seconds)	10

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
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	250

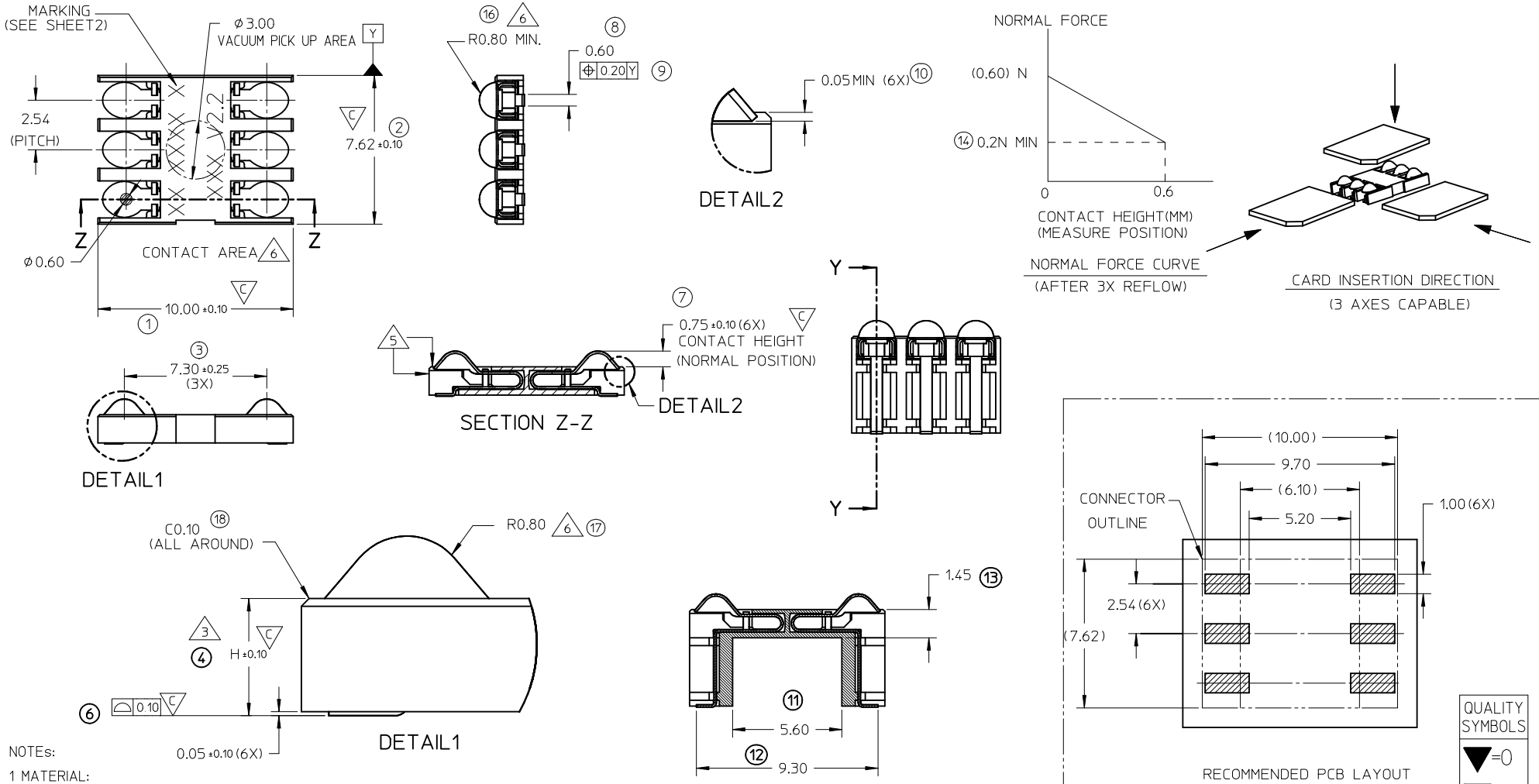
Material Info

Reference - Drawing Numbers

Sales Drawing	SD-47019-001

This document was generated on 05/27/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



NOTEs:

1 MATERIAL:

1-1 HOUSING : LCP 30% GLASS FILL, UL94 V-0,COLOR BLACK

15 1-2 TEMINAL : PHOSPHOR BRONZE 0.12MM REF THICKNESS

2 PLATING:TERMINAL:

2-1 SIM SIDE (CONTACT AREA): 0.8 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,MAXMIMUM=5.00(SEE CHART ON SHEET2)

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

REV	DESCRIPTION	
E	RELEASED	2010/03/10
	EC NO:SH2000035555	2010/03/10
	DRWN:JL IU39	2010/04/02
	CH'KD:LANDY	
	APPR:WFDENG	

QUALITY SYMBOLS

=0

=0

=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± 0.2	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

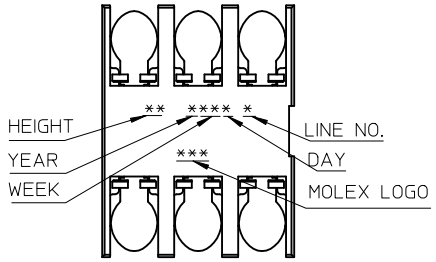
DIMENSION STYLE	MM ONLY
SCALE	NTS
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	JLU
DATE	2004/03/21
CHECKED BY	YJWU
DATE	2004/03/21
APPROVED BY	WFDENG
DATE	2010/03/29
MATERIAL NO.	SEE TABLE
TITLE	6 CKT SCALABLE SIM CONNECTOR
	MOLEX INCORPORATED
DOCUMENT NO.	SD-47019-001
SHEET NO.	1 OF 2
SIZE	A3

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

PART NUMBER	DIM H
470192002	2.0
470192402	2.4

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

(E) PRODUCTION TOOL PART PRINTED DATE CODE



RELEASED
EC NO:SH2000035555 2010/03/10
DRWN:JLIU39 2010/03/10
CH'KD:LANDY 2010/04/02
APPR:WFDENG
DESCRIPTION
REV
E

QUALITY SYMBOLS
(FA)=0
(FC)=0
(FP)=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± 0.2	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: JLU DATE: 2004/03/21
CHECKED BY: YJWU DATE: 2004/03/21
APPROVED BY: WFDENG DATE: 2010/03/29
MATERIAL NO.: SEE TABLE

TITLE: 6 CKT SCALABLE SIM CONNECTOR

molex MOLEX INCORPORATED

DOCUMENT NO.: SD-47019-001
SHEET NO.: 2 OF 2
SIZE: A3

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