This document was generated on 05/26/2010

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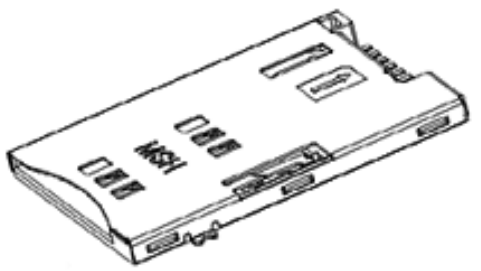
Part Number: 0475530001

Status: Active

Description: 1.27mm (.050") Pitch SIM Card Holder with Detect Pins, 6 Circuits, Push- Push Style, Housing Height 1.80mm (.071"), Lead Free



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-47553-201 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	Memory Card Sockets
Series	47553
Button Type	Push-Push
Comments	Without Pegs
Component Type	Card Holder (Host)
Product Name	SIM
Type	N/A

Physical

Card Detection Switch	No
Circuits (Loaded)	6
Circuits (maximum)	6
Durability (mating cycles max)	5,000
Ejector Button Side	No Ejector Button Present
Entry Angle	Horizontal
Keying to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
PC Tail Length (in)	0.000 In
PC Tail Length (mm)	0.00 mm
PCB Locator	No
PCB Mounting Side	Normal
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. Interface (mm)	1.27 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	3
Plating min: Termination (µm)	0.076
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	50V DC

Solder Process Data

Duration at Max. Process Temperature (seconds)	48
Lead-free Process Capability	Reflow Capable (SMT only)

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Not Reviewed
Halogen-Free Status
Not 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
47553Series

Mates With
Standard SIM Card

Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	255

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-47553-001
Product Specification	PS-47553-201
Sales Drawing	SD-47553-001

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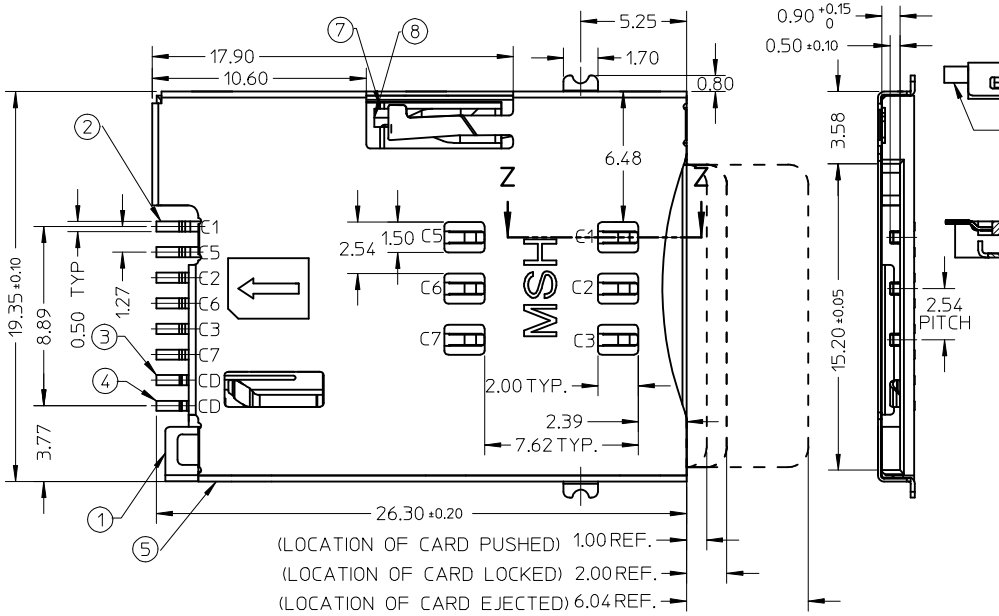
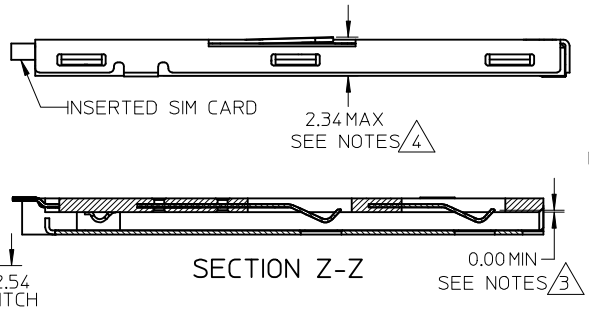
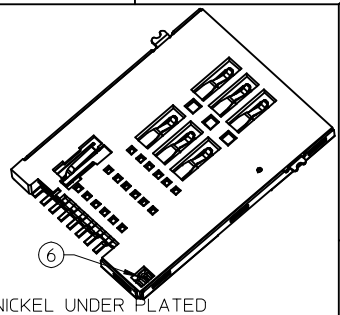
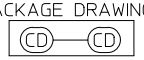




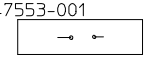


NOTES

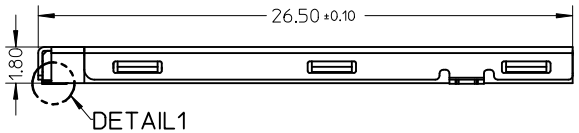
1. FINISH
   1-1 TERMINAL :
   50~200μ" NICKEL UNDER PLATED
   15μ" MIN GOLD PLATING ON CONTACT AREA
   3μ" MIN GOLD FLASH ON SOLDERING AREA
   1-2 SHELL :
   50~200μ"NICKEL UNDER PLATED
   3μ" MIN GOLD FLASH ON SOLDERING AREA
   1-3 DETECT PIN :
   50~200μ" NICKEL UNDER PLATED
   3μ" MIN GOLD PLATING ON CONTACT AREA
   3μ" MIN GOLD FLASH ON SOLDERING AREA
2. DETECT SWITCH: INSERT CARD=ON (NORMAL=OPEN)
3. I.E., TERMINAL TIP WILL SINK INTO HOUSING.
4. SPRING RISE UP DURING PUSH-PUSH PERIOD
5. PRODUCT COMPLIANT TO ROHS DIRECTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC
6. PRODUCT SPECIFICATION: PS-47553-201
7. PACKAGE DRAWING: PK-47553-001

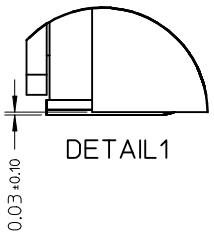


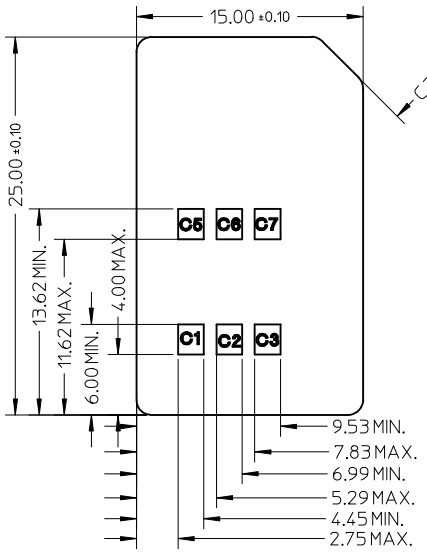
CARD INSERTED



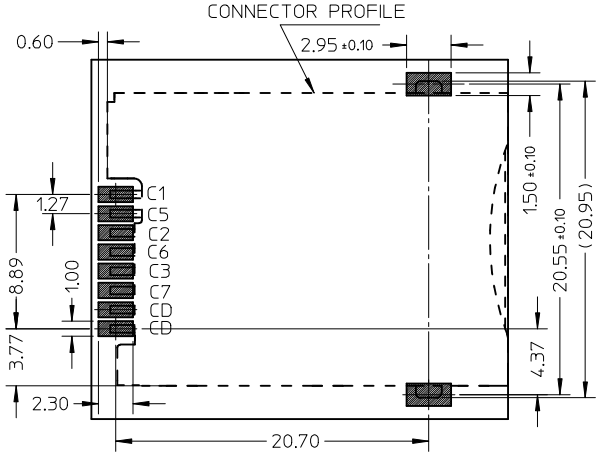
WITHOUT CARD







APPLICABLE CARD SIZE
THICKNESS:0.76+/-0.08



RECOMMENDED PCB LAYOUT
TOLERANCE +/-0.05MM

NO.	DESCRIPTION	Q'TY	MATERIAL
1	HOUSING	1	HIGH TEMPERATURE THERMOPLASTIC
2	TERMINAL	6	COPPER ALLOY
3	DETECT PIN LOWER	1	COPPER ALLOY
4	DETECT PIN UPPER	1	COPPER ALLOY
5	SHELLL	1	STAINLESS STEEL
6	COIL SPRING	1	PIANO WIRE
7	HEART CAM	1	HIGH TEMPERATURE THERMOPLASTIC
8	CAM PIN	1	STAINLESS STEEL

REVISED
EC NO: SH2009-0532 2009/02/11
DRWN:YPWU 2009/02/12
CH'KD:YLZHUO2 2009/03/11
APPR:HWWANG
DESCRIPTION
G
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± ---	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	DATE
LHSHEN	2006/09/07
CHECKED BY	DATE
XUXIANG	2007/04/16
APPROVED BY	DATE
JIANWEI WANG	2007/05/16

TITLE: PUSH PUSH 6 PINS SIM CONN. WITH DETECT PIN SALES DRAWING

MOLEX INCORPORATED

MATERIAL NO.: 475530001
DOCUMENT NO.: SD-47553-001
SHEET NO.: 1 OF 1
SIZE: A3