

Product Specification

Sales Drawing

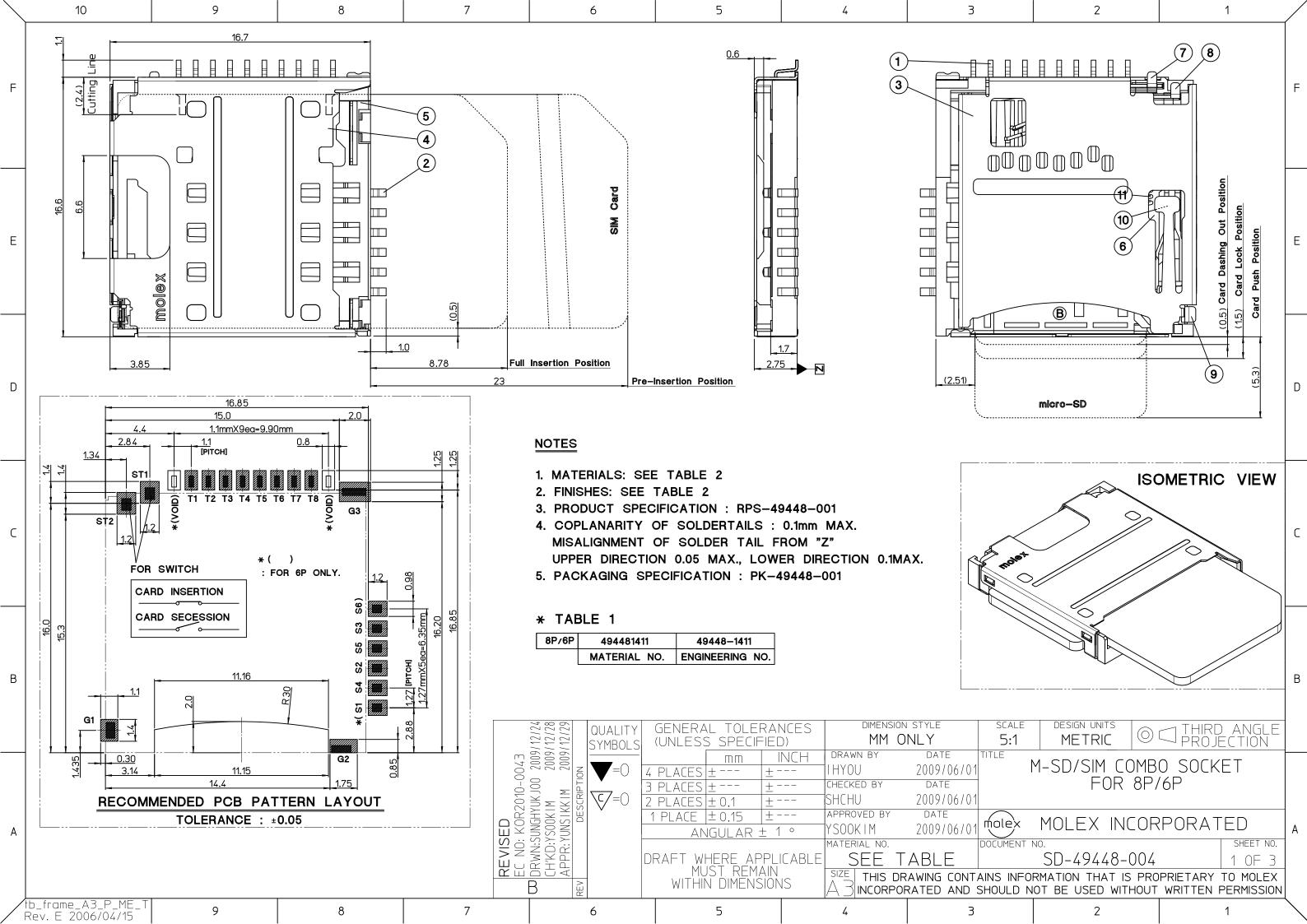
This document was generated on 05/14/2010 PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

	m (.050") Pitch microSD/SIM Card Combo Connector, 8-Pin unt with Detect Switch, and 6-Pin SIM, Normal Mount	
Documents: Drawing (PDF) Product Specification PS-49448-002 (PDF)	RoHS Certificate of Compliance (PDF)	
General Product Family Series Button Type Comments Component Type Product Name	Memory Card Sockets <u>49448</u> Push-Pull, Push-Push microSD Card 8 Circuits, SIM Card 6 Circuits, Switch 2 Circuits Card Holder (Host) Combo, microSD Card, SIM	EU RoHS ELV and RoHS Compliant REACH SVHC Not Reviewed
Type Physical Card Detection Switch Circuits (Loaded) Durability (mating cycles max) Ejector Button Side	N/A Open 16 10,000 No Ejector Button Present	Halogen-Free Status Not Reviewed Need more information on product environmental compliance? Email productcompliance@molex.com Email productcompliance@molex.com
Entry Angle Keying to Mating Part Material - Metal Material - Plating Mating Material - Plating Termination PC Tail Length (in) PC Tail Length (mm)	Horizontal Yes Copper, Phosphor Bronze, Stainless Steel Gold 0.039 In, 0.043 In 1.00 mm, 1.10 mm	For a multiple part number RoHS Certificate Compliance, <u>click here</u> Please visit the <u>Contact Us</u> section for any non-product compliance questions.
PCB Locator PCB Mounting Side PCB Retention	No Normal None	Search Parts in this Series 49448Series
Packaging Type Pitch - Mating Interface (in) Pitch - Mating Interface (mm) Ports Temperature Range - Operating	Embossed Tape on Reel 0.043 ln, 0.050 ln 1.10 mm, 1.27 mm 2 -25°C to +85°C	Mates With microSD Card, SIM Card
Electrical Current - Maximum per Contact Shielded Voltage - Maximum	0.5A Yes 5V	
Material Info		
Reference - Drawing Numbers Packaging Specification	PK-49448-001	

This decument was generated as 05/11/2010

PS-49448-002, RPS-49448-002

SD-49448-004



10	9	8	7	6	5	4	3

* TABLE 2 : PARTS-LIST

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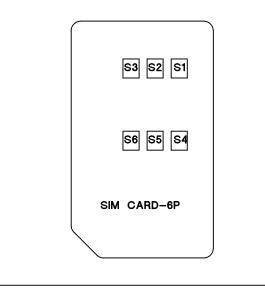
1b_frame_A3_P_ME_T Rev. E 2006/04/15

NO.	DESCRIPTION	ENGINEERING NO.	MATERIALS	FINISHES
1	mSD-CONTACT TERMINAL	49932-8031	PHOSBRONZE	Min. 0.2/0.05uM Au over Min. 1.27uN
2	S-CONTACT TERMINAL	49814-8031	BECU-7ALLOY	Min. 0.2/0.05uM Au over Min. 1.27uN
3	mSD-METAL SHELL	49933-5003	STAINLESS STEEL	Min. 0.7uM Ni Overall
4	S-METAL SHELL	49934–5003	STAINLESS STEEL	Min. 0.7uM Ni Overall
5	HOUSING	49448–1491	LIQUID CRYSTAL POLYMER	UL94V-0
6	HEART CAM	49363-0001	LIQUID CRYSTAL POLYMER	UL94V-0
7	SWITCH TERMINAL 1	49820-8031	PHOSBRONZE	Min. 0.1/0.05uM Au over Min. 1.27uM
8	SWITCH TERMINAL 2	49821-8031	PHOSBRONZE	Min. 0.1/0.05uM Au over Min. 1.27uM
9	FITTING NAIL	49819-8003	PHOSBRONZE	Min. 3.0uM Pure-Sn over Min. 1.27u
10	PIN ROD	49225-9002	STAINLESS STEEL	
11	SPRING	49362-9001	STAINLESS STEEL	

***** TABLE 3 : REFERENCE

[SIM CARD-6P PIN-MAP]

PIN NUMBER	DESCRIPTION
S1	Vcc(Voltage)
S2	Vcc(Reset)
S3	CLK
S4	GND
S5	Vpp
S6	1/0



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PIN NUMBER	DESCRIPTION
T1	DAT2
T2	CD/DAT3 ²
ТЗ	CMD
Τ4	V dd
Т5	CLK
Т6	Vss ²
Т7	DAT0
Т8	DAT1

T1/T3/T5/T7/ T2 T4 T6 T8	

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031	PHOSBRONZE		lin. 0.2/0.05uM Au ov				
031	BECU-7ALLOY		lin. 0.2/0.05uM Au ov	ver Min. 1.27uM Ni C	Dverall		
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003	STAINLESS ST		lin. 0.7uM Ni Overall				
491	LIQUID CRYST		L94V-0				
001	LIQUID CRYST		L94V-0				E
031	PHOSBRONZE		lin. 0.1/0.05uM Au ov				
031	PHOSBRONZE		lin. 0.1/0.05uM Au ov				
003	PHOSBRONZE	E N	lin. 3.0uM Pure-Sn o	ver Min. 1.27uM Ni	Overall		
002	STAINLESS ST	EEL					
001	STAINLESS ST	EEL					
							D
	[microSD CARD	PIN-MAP]					
	PIN NUMBER	DESCRIPTION					
	T1	DAT2					
	T2	CD/DAT3 ²		microSD CARD			
	T3	CMD					
	T4	VDD	- /	└ _╋ ╢ <mark>┎╢┎╢┎╢┰╢</mark> ┰╢ T1 T3 T5 T7			C
	T5	CLK		T2 T4 T6 T8			
	T6	Vss ²	_				
	T7	DATO					
	Т8	DAT1					
	10	DATT					
							В
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E								DIRECTION		OP TAPE ON-BONDED PART 10~20PCS NUMBER OF	EMPTY PART		E
D								3. PEELING OFF FORCE (PEELING DIRECTION - PEELING OFF SPE - PULL OUT DIRECTION	AS SHOW IN FOL	LOW FIG.)	20~40PCS	EEL OFF	D
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	5					OVER TAPE	REEL	EMBOSSED TAPE	CONNECTOR	MATERIAL NO.	ENG. NO.	CKTS	
В					12/24 12/28 12/29	QUALITY (GENERAL TOLE		ENSION STYLE			THIRD ANG PROJECTIO	B
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[SIM CARD-6P PIN-MAP]

PIN NUMBER	DESCRIPTION
S1	Vcc(Voltage)
S2	Vcc(Reset)
S 3	CLK
S4	GND
S5	Vpp
S6	I/O
SI	53 52 51 56 55 54 M CARD-6P

[microSD CARD PIN-MAP]

PIN NUMBER	DESCRIPTION	
T1	DAT2	microSD CARD
T2	CD/DAT3 ²	
тз	CMD	
T4	Vdd	
Т5	CLK	
Т6	Vss ²	
Т7	DATO	
Т8	DAT1	

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NEW REVISED EC NO: KOR2009-0171 > DRWN:IHYOU 2009/06/30 CH*KD:YS00K IM 2009/07/02 APPR:YUNS1KK IM 2009/07/02 DIMENSION STYLE SCALE DESIGN UNITS QUALITY GENERAL TOLERANCES MM ONLY 5:1 METRIC (UNLESS SPECIFIED) SYMBOLS DRAWN BY DATE TITLE INCH ШШ COMBO MEMORY SOCKET HYOU 2009.06.01 =() 4 PLACES ± ---<u>+</u> ---SIM&MICRO SD_6P&8P 3 PLACES ± ---<u>+ ---</u> HECKED BY DATE DESCRIF **V**=0 SHCHU 2009.06.01 2 PLACES ± 0.10 + ---APPROVED BY 1 PLACE ± 0.15 <u>+</u> ---DATE molex. MOLEX INCORPORATED YSOOKIM 2009.06.01 ANGULAR ± 1 ° Α DOCUMENT NO. MATERIAL NO. SHEET NO. DRAFT WHERE APPLICABLE SEE TABLE SD-49448-004 2 OF 3 $\overset{\text{SIZE}}{\xrightarrow{}}$ THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX WITHIN DIMENSIONS |A| incorporated and should not be used without written permission А Р Ц 9 8 7 5 4 З 2 6 1

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