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Part Number: [0494481611](#)
Status: **Active**
Description: 1.10mm (.043")/1.27mm (.050") Pitch microSD/SIM Card Combo Connector, 8-Pin microSD, Reverse Mount with Detect Switch, and 8-Pin SIM, Normal Mount

Documents:	
3D Model	Product Specification PS-49448-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

General	
Product Family	Memory Card Sockets
Series	49448
Button Type	Push-Pull, Push-Push
Comments	microSD Card 8 Circuits, SIM Card 8 Circuits, Switch Circuits 2
Component Type	Card Holder (Host)
Product Name	Combo, microSD Card, SIM
Type	N/A
Physical	
Card Detection Switch	Open
Circuits (Loaded)	18
Circuits (maximum)	18
Durability (mating cycles max)	10,000
Ejector Button Side	No Ejector Button Present
Entry Angle	Horizontal
Keying to Mating Part	Yes
Material - Metal	Copper, Phosphor Bronze, Stainless Steel
Material - Plating Mating	Gold
Material - Plating Termination	Gold
PC Tail Length (in)	0.039 In, 0.043 In
PC Tail Length (mm)	1.00 mm, 1.10 mm
PCB Locator	No
PCB Mounting Side	Normal
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.043 In, 0.050 In
Pitch - Mating Interface (mm)	1.10 mm, 1.27 mm
Ports	2
Temperature Range - Operating	-25°C to +85°C
Electrical	
Current - Maximum per Contact	0.5A
Shielded	Yes
Voltage - Maximum	5V
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-49448-001
Product Specification	PS-49448-001, RPS-49448-001
Sales Drawing	SD-49448-001



image - Reference only

Series

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

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
[49448Series](#)

Mates With
microSD Card, SIM Card

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* TABLE 1 : PARTS-LIST

NO.	DESCRIPTION	ENGINEERING NO.	MATERIALS	FINISHES
1	mSD-CONTACT TERMINAL	49932-8031	PHOS.-BRONZE	Selective-Au over Ni
2	S-CONTACT TERMINAL	49814-8031	BECU-7ALLOY	Selective-Au over Ni
3	mSD-METAL SHELL	49933-5003	STAINLESS STEEL	Ni OVERALL
4	S-METAL SHELL	49934-5003	STAINLESS STEEL	Ni OVERALL
5	HOUSING	49448-1691	LIQUID CRYSTAL POLYMER	UL94V-0
6	HEART CAM	49363-0001	LIQUID CRYSTAL POLYMER	UL94V-0
7	SWITCH TERMINAL 1	49820-8031	PHOS.-BRONZE	Selective-Au over Ni
8	SWITCH TERMINAL 2	49821-8031	PHOS.-BRONZE	Selective-Au over Ni
9	FITTING NAIL	49819-8003	PHOS.-BRONZE	PURE-Sn over Ni
10	PIN ROD	49225-9002	STAINLESS STEEL	
11	SPRING	49362-9001	STAINLESS STEEL	

* TABLE 2 : REFERENCE

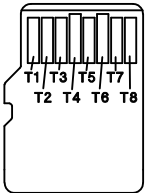
[SIM CARD-8P PIN-MAP]

PIN NUMBER	DESCRIPTION
S1	Vcc(Voltage)
S2	Vcc(Reset)
S3	CLK
S4	Reserved
S5	GND
S6	Vpp
S7	I/O
S8	Reserved

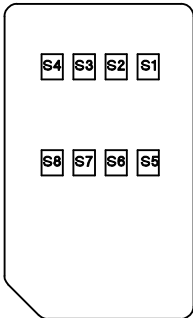
[microSD CARD PIN-MAP]

PIN NUMBER	DESCRIPTION
T1	DAT2
T2	CD/DAT3 ²
T3	CMD
T4	V _{DD}
T5	CLK
T6	V _{SS} ²
T7	DAT0
T8	DAT1

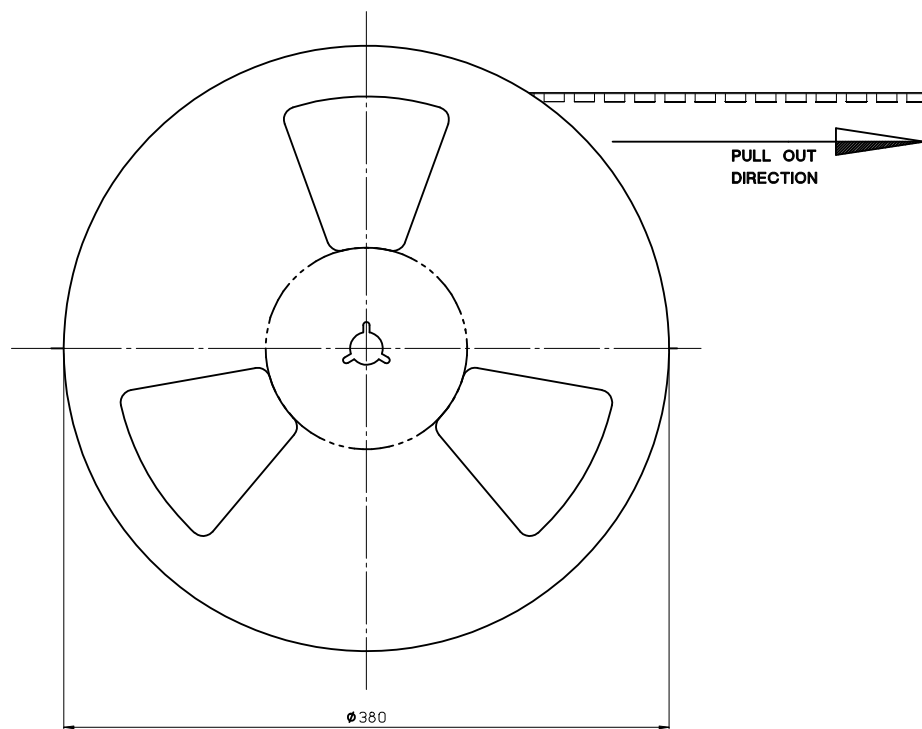
microSD CARD



SIM CARD-8P

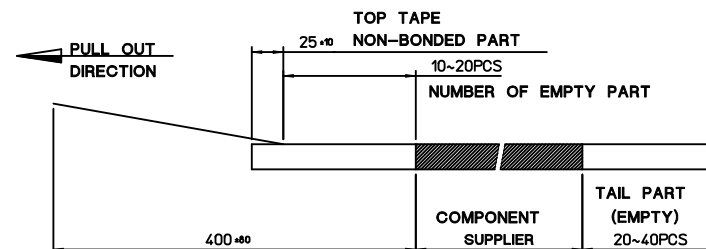


REVISED EC NO: KOR2010-0043 DRWN: SUNGHYUK JOO 2009/12/24 CHKD: YSOKIM APPR: YUNSIKKIM	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY S.H. CHU	DATE 2008/10/20	TITLE M-SD/SIM COMBO SOCKET FOR 8P/8P	
			4 PLACES	± ---	± ---	CHECKED BY	DATE		
			3 PLACES	± ---	± ---	S. J. SEH	2008/10/20		
B	REV		2 PLACES	± 0.1	± ---	APPROVED BY	DATE	 MOLEX INCORPORATED	
			1 PLACE	± 0.15	± ---	E. H. JUNG	2008/10/20		
			ANGULAR ± 1 °		MATERIAL NO.	DOCUMENT NO.	SD-49448-001		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE				SHEET NO. 2 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

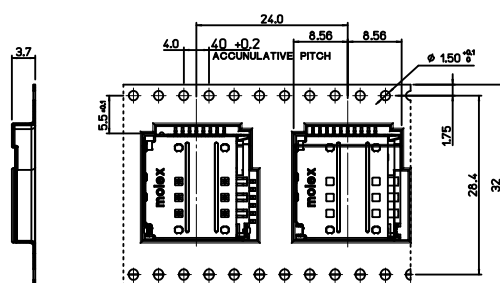
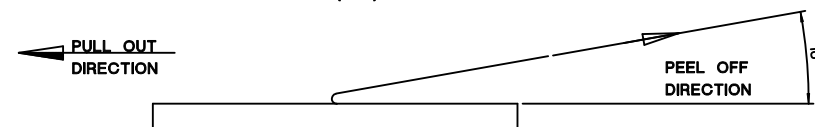


NOTES

1. QUANTITY OF CONNECTORS : 1,000PCS/REEL
2. LEAD LENGTH



3. PEELING OFF FORCE OF COVER TAPE : 0.1N~0.59N(10.2GF~60GF)
(PEELING DIRECTION AS SHOW IN FOLLOW FIG.)
- PEELING OFF SPEED : 300mm/Mln.(Ref.)



PULL OUT DIRECTION

35902-0011	35908-1003	49362-9901	49448-1611	494481611	49448-1611	8P/8P
COVER TAPE	REEL	EMBOSSSED TAPE	CONNECTOR	MATERIAL NO.	ENG. NO.	CKTS

REVISED EC NO: KOR2010-0043 2009/12/24 DRWN:YSOOKIM CHKD:YSOOKIM APPR:YUNSIKKIM	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
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			3 PLACES	± ---	± ---	APPROVED BY E.H. JUNG	DATE 2008/10/20	MOLEX INCORPORATED		
			2 PLACES	± 0.1	± ---	MATERIAL NO.	DOCUMENT NO.			
			1 PLACE	± 0.15	± ---	SEE TABLE		SD-49448-001	3 OF 3	
			ANGULAR ± 1 °							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							