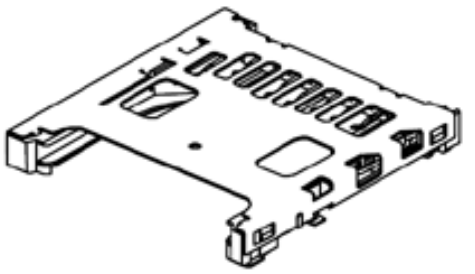
This document was generated on 02/17/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0481410003

Status: Active

Description: 2.50mm (.098") Pitch, SDIO Memory Card Connector without Card Lock Pin, Reverse Mount, Stand Off Height 1.20mm (.047"), supports SD/MMC Cards, Lead-Free



Series image - Reference only

Documents:

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

General

Product Family	Memory Card Sockets
Series	48141
Button Type	Push-Push
Comments	Supports SD/MMC Cards . With reinforced housing guide
Component Type	Header & Ejector (Host)
Product Name	SDIO
Type	N/A

Physical

Card Detection Switch	Yes
Circuits (Loaded)	9
Circuits (maximum)	9
Durability (mating cycles max)	10,000
Ejector Button Side	No Ejector Button Present
Entry Angle	90° Angle (Side Entry)
Keying to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
PCB Locator	Yes
PCB Mounting Side	Reverse
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.098 In
Pitch - Mating Interface (mm)	2.50 mm
Pitch - Term. Interface (in)	0.066 In, 0.098 In
Pitch - Term. Interface (mm)	1.70 mm, 2.50 mm
Ports	1
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-25°C to +90°C

Electrical

Current - Maximum per Contact	0.5A
Shielded	Yes
Voltage - Maximum	250V DC

Material Info

Reference - Drawing Numbers

Sales Drawing	SD-48141-002

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

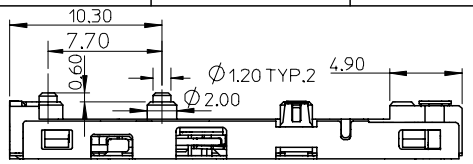
Please visit the Contact Us section for any non-product compliance questions.

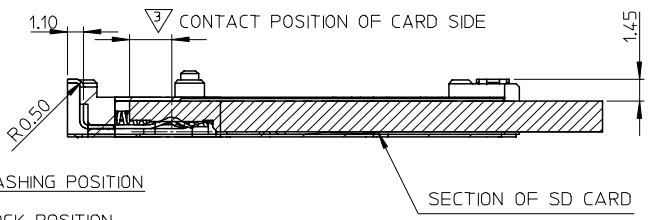
Search Parts in this Series
48141Series

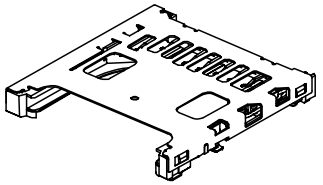
Mates With
Standard SD, MMC Cards

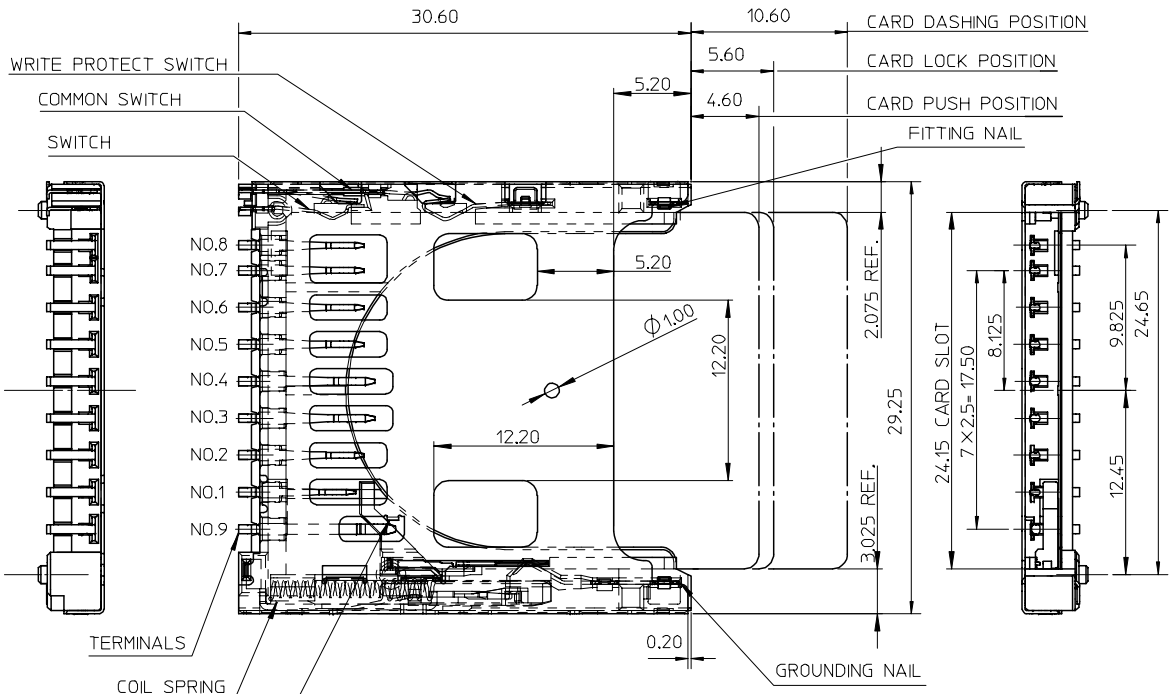
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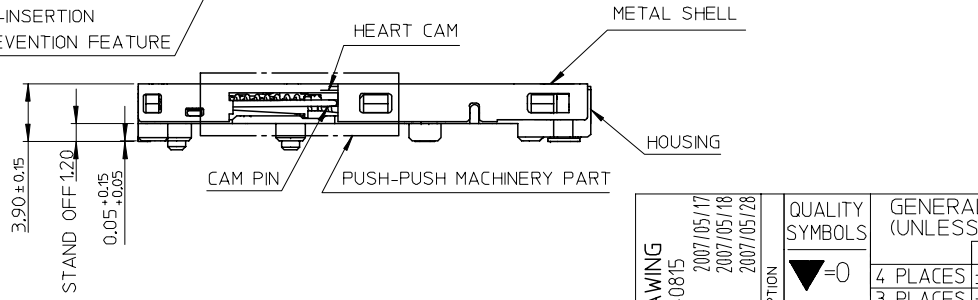
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION











NOTES:

1.HOUSING: HIGH TEMPERATURE THERMOPLASTIC,
GLASS FIBER FILLED,UL94V-0, COLOR: BLACK
TERMINAL: COPPER ALLOY, SELECTIVE Au PLATING
MATEL SHELL: STAINLESS STEEL
EACH SWITCHES: COPPER ALLOY, SELECTIVE Au PLATING.
EACH NAILS: COPPER ALLOY, SELECTIVE AU PLATING.
COIL SPRING: STEEL WIRE.
CAM PIN: STAINLESS STEEL

2.TERMINAL AND NAIL COPLANARITY TO BE 0.1MAX

3.CONTACT POSITION OF CARD SIDE

TERMINAL NO.	CONTACT POSITION
NO.1	2.4
NO.2,5,6,7,8	2.9
NO.3,4	3.4
NO.9	5.2

4.OPEN/CLOSE OF EACH SWITCH

	PROTECT TERMINAL		SWITCH
	WRITE PROTECT POSITION	WRITE ENABLE POSITION	
CARD UNINSERTION	OPEN	OPEN	OPEN
CARD HALF INSERTION	CLOSE	CLOSE	OPEN
CARD INSERTION	OPEN	CLOSE	CLOSE

5.TERMINAL 1 TO BE SIGNAL DETECTING WHEN SD CARD INSERTING

6.WHEN DELIVERING, THE PUSH/PUSH MECHANISM
IS IN THE STATE OF THE UNLOCK.(CARD DASHING
OUT POSITION)

7.CARD READ ONLY BY THE TIME THE CARD DETECTION.

8.I/O CONTACTS, BASE ON SD I/O ASSOC. REV.G.

9.PRODUCT SPECIFICATION: PS-67913-003

10.PRODUCT COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV 2000/53/EC.

UPDATE DRAWING
EC NO: SH2007-0815 2007/05/17
DRWN:LSONG09 2007/05/18
CHKD:JTIAN 2007/05/28
APPR: JNCHEN
DESCRIPTION
B
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: MZCHEN DATE: 2006/01/05
CHECKED BY: JTIAN DATE: 2006/01/05
APPROVED BY: GRMA DATE: 2006/01/05

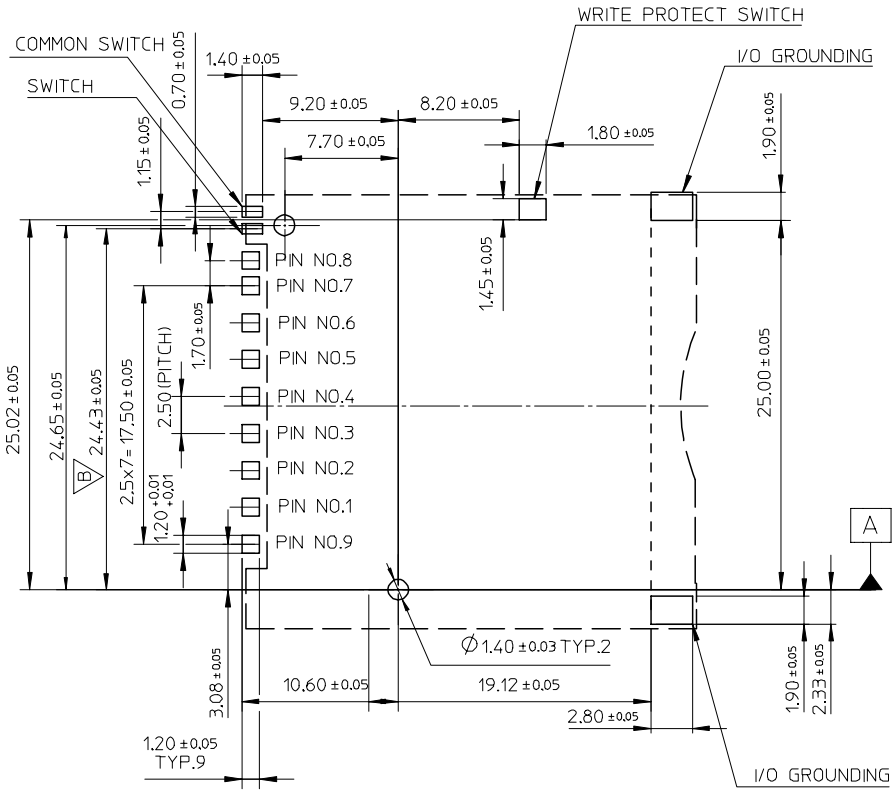
TITLE: SD/IO CARD CONN REVERSED STAND OFF 1.2MM PUSH-PUSH & LEAD-FREE

molex MOLEX INCORPORATED

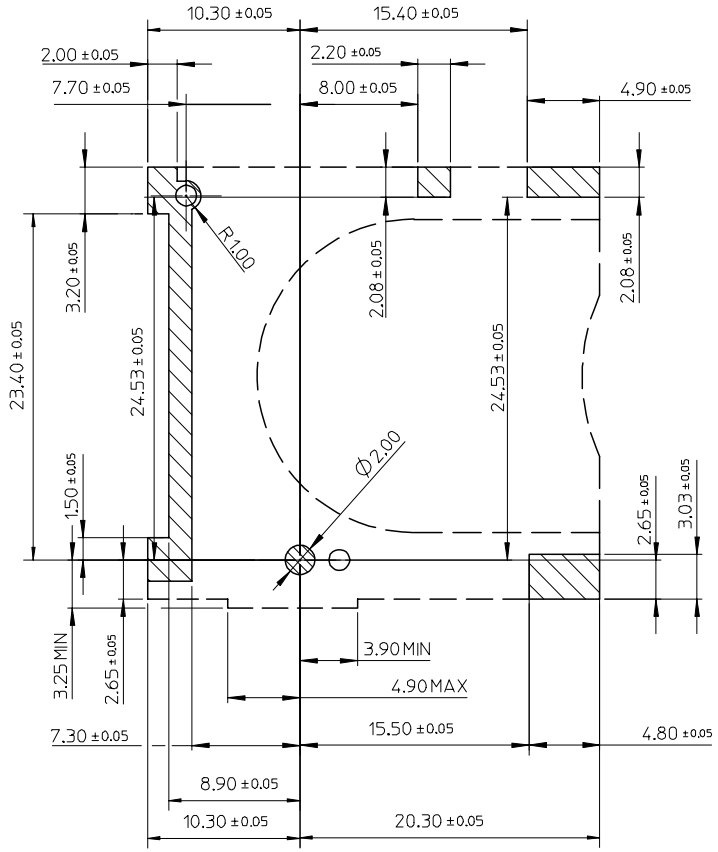
MATERIAL NO.: 481410003
DOCUMENT NO.: SD-48141-002
SHEET NO.: 1 OF 3

SIZE: A3

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



□ RECOMMENDED PCB PATTERN LAYOUT



STAND OFF AREA FOR PATTERN PROHIBITION

UPDATE DRAWING
EC NO: SH2007-0815 2007/05/17
DRWN:LSONG09 2007/05/18
CH'KD:JTIAN 2007/05/28
APPR: JNCHEN
DESCRIPTION
REV
B

QUALITY SYMBOLS
▼=0
▽=0

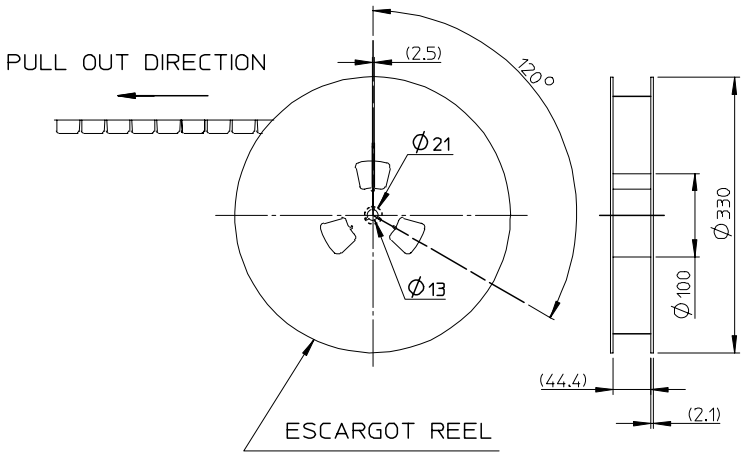
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SCALE	3:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	MZCHEN
DATE	2006/01/05
CHECKED BY	JTIAN
DATE	2006/01/05
APPROVED BY	GRMA
DATE	2006/01/05
MATERIAL NO.	481410003
TITLE	SD/IO CARD CONN REVERSED STAND OFF 1.2MM PUSH-PUSH & LEAD-FREE
	MOLEX INCORPORATED
DOCUMENT NO.	SD-48141-002
SHEET NO.	2 OF 3
SIZE	A3

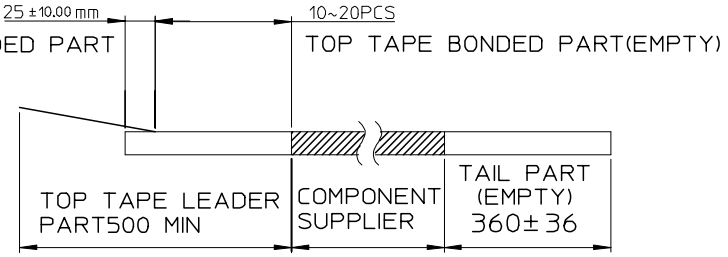
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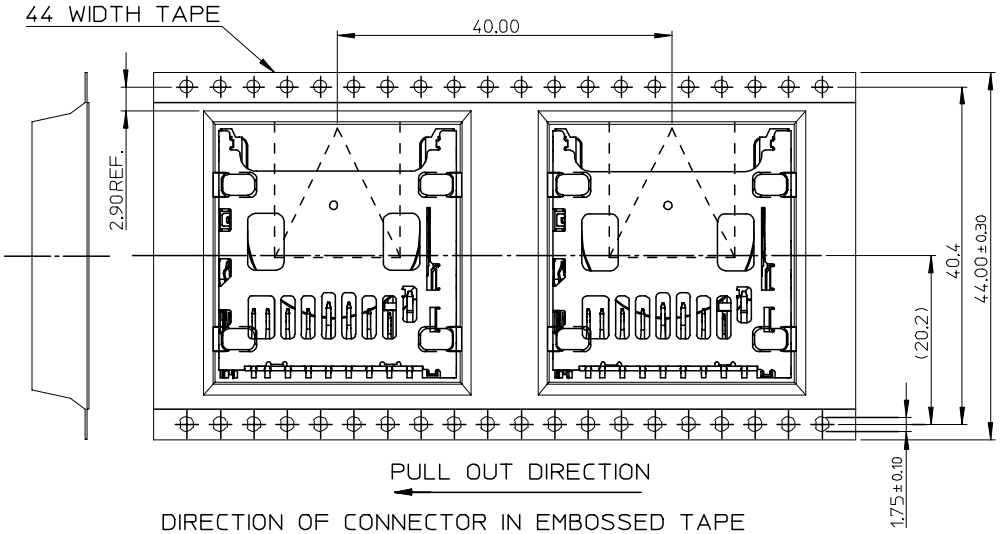


NOTES

1. NUMBER OF CONNECTORS: 250 PCS/REEL

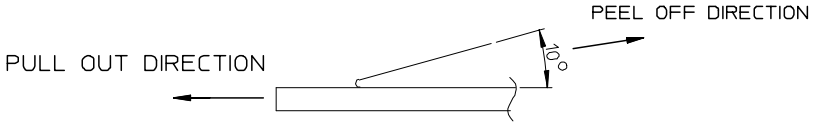
2.





DIRECTION OF CONNECTOR IN EMBOSSED TAPE

3. PEEL OFF FORCE OF TOP TAPE: 0.1~1.3 N (10.2~130gf)
PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
(PEEL OFF SPEED: 300mm/min.REF.)



4. PACKAGING DRAWING REFERS TO PK-48141-001.

UPDATE DRAWING
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DRWN:LSONG09 2007/05/18
CHKD:JTIAN 2007/05/28
APPR: JNCHEN
DESCRIPTION
B
REV

QUALITY SYMBOLS
▼=0
▽=0

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ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	1:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	MZCHEN
DATE	2006/01/05
CHECKED BY	JTIAN
DATE	2006/01/05
APPROVED BY	GRMA
DATE	2006/01/05
MATERIAL NO.	481410003
TITLE	SD/IO CARD CONN REVERSED STAND OFF 1.2MM PUSH-PUSH & LEAD-FREE
	MOLEX INCORPORATED
DOCUMENT NO.	SD-48141-002
SHEET NO.	3 OF 3
SIZE	A3

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