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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

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
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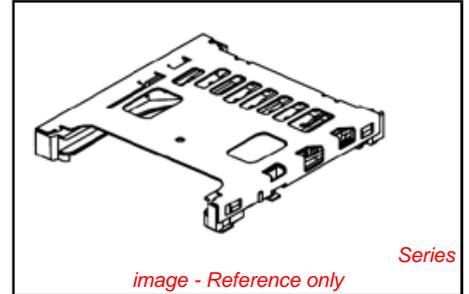


image - Reference only

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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.

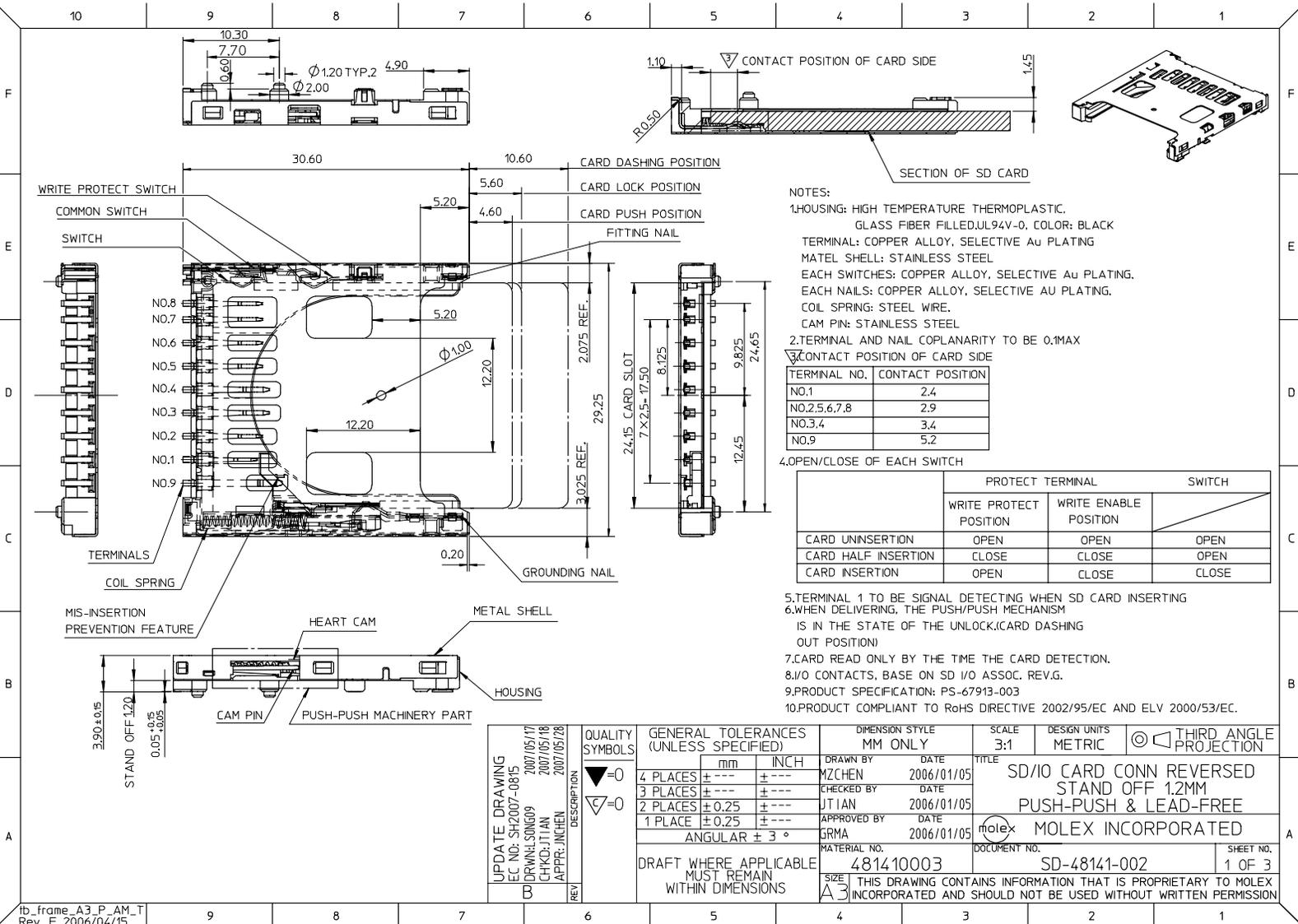
China RoHS



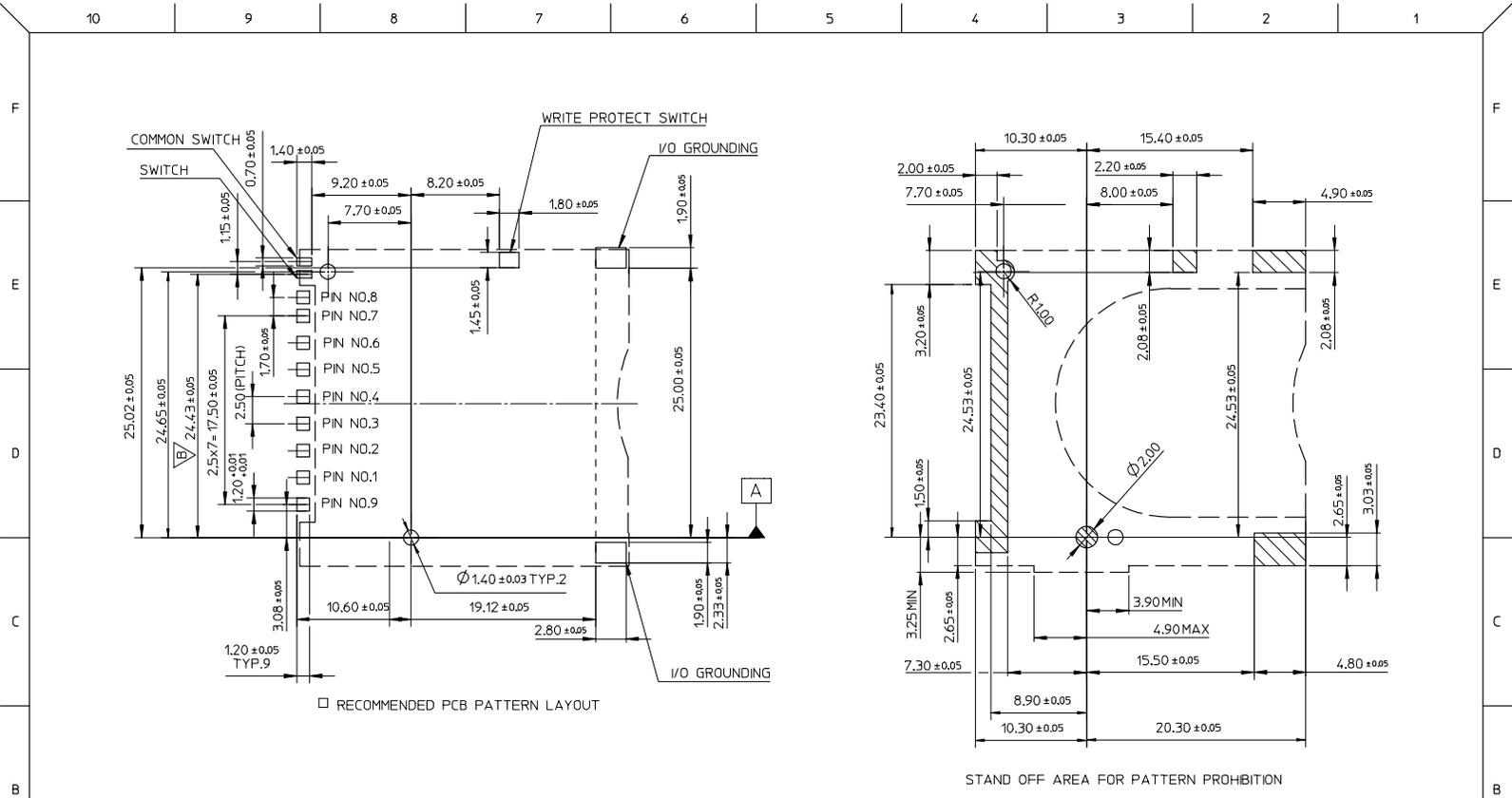
Search Parts in this Series
[48141Series](#)

Mates With
 Standard SD, MMC Cards

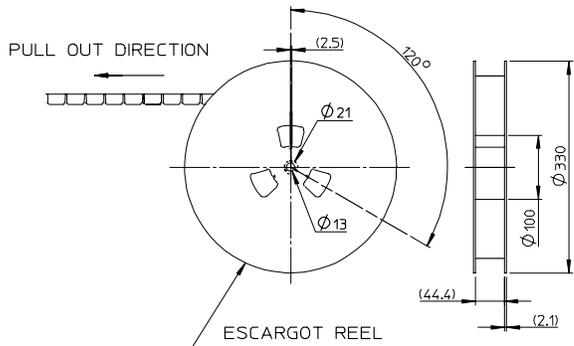
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UPDATE DRAWING EC NO. SH2007-0815 DRAWN: SONG09 CHKD: JTIAN APPR: JICHEN	QUALITY SYMBOLS $\nabla=0$ $\nabla=0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																
		<table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± 0.15</td> <td>± 0.006</td> </tr> <tr> <td>3 PLACES</td> <td>± 0.20</td> <td>± 0.008</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.25</td> <td>± 0.010</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.30</td> <td>± 0.012</td> </tr> <tr> <td colspan="3">ANGULAR $\pm 3^\circ$</td> </tr> </table>		mm	INCH	4 PLACES	± 0.15	± 0.006	3 PLACES	± 0.20	± 0.008	2 PLACES	± 0.25	± 0.010	1 PLACE	± 0.30	± 0.012	ANGULAR $\pm 3^\circ$			DRAWN BY MZCHEN	DATE 2006/01/05	TITLE SD/I/O CARD CONN REVERSED STAND OFF 1.2MM PUSH-PUSH & LEAD-FREE	MOLEX INCORPORATED
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. 481410003	DOCUMENT NO. SD-48141-002	SHEET NO. 1 OF 3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			



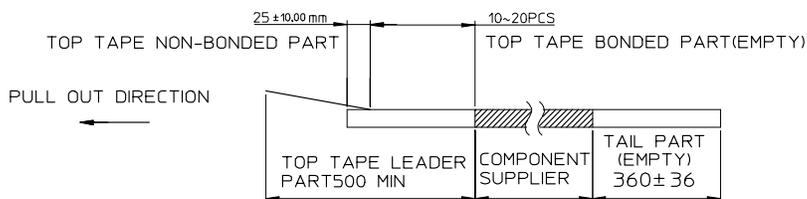
UPDATE DRAWING EC NO. SH2007-0815 DRW: H. SONG CHK: J. JIAN APPR: J. CHEN 2007/05/17 2007/05/18 2007/05/28	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- + --- 3 PLACES ± --- + --- 2 PLACES ± 0.25 + --- 1 PLACE ± 0.25 + --- ANGULAR ± 3 °	mm INCH	DRAWN BY MZCHEN	DATE 2006/01/05	TITLE SD/IO CARD CONN REVERSED STAND OFF 1.2MM PUSH-PUSH & LEAD-FREE		
B	DESCRIPTION REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		CHECKED BY JTIAN	DATE 2006/01/05	MOLEX INCORPORATED		
		MATERIAL NO. 481410003		APPROVED BY GRMA		DATE 2006/01/05	DOCUMENT NO. SD-48141-002	SHEET NO. 2 OF 3



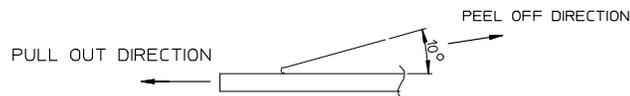
NOTES

1. NUMBER OF CONNECTORS: 250 PCS/REEL

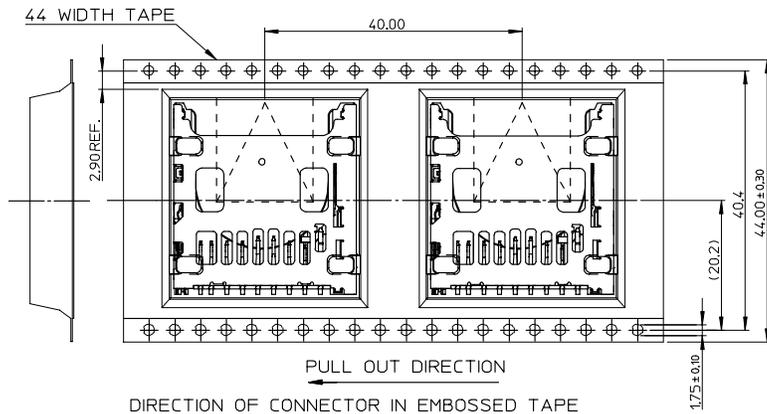
2.



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 EC NO: SH2007-0815 DRW: SONG09 2007/05/17 CHK: JTIAN 2007/05/18 APPR: JICHEN 2007/05/28	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		mm	INCH	DRAWN BY MZCHEN	DATE 2006/01/05	TITLE SD/IO CARD CONN REVERSED STAND OFF 1.2MM PUSH-PUSH & LEAD-FREE MOLEX INCORPORATED			
		4 PLACES ± ---	± ---	CHECKED BY JTIAN	DATE 2006/01/05				
		3 PLACES ± ---	± ---	APPROVED BY GRMA	DATE 2006/01/05	MATERIAL NO. 481410003	DOCUMENT NO. SD-48141-002	SHEET NO. 3 OF 3	
2 PLACES ± 0.25	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
1 PLACE ± 0.25	± ---								
ANGULAR ± 3 °									