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Part Number: [1040420811](#)
Status: **Active**
Description: 1.10mm (.043") Pitch microSD Memory Card Connector, Reverse Mount SMT, Push-Push Type, 1.78mm (.070") Height

Documents:	
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-104042-001 (PDF)	

General	
Product Family	Memory Card Sockets
Series	104042
Button Type	Push-Push
Component Type	Header & Ejector (Host)
Product Name	microSD Card
Type	N/A
Physical	
Card Detection Switch	Yes
Circuits (Loaded)	8
Durability (mating cycles max)	10,000
Ejector Button Side	No Ejector Button Present
Entry Angle	90° Angle
Keying to Mating Part	Yes
Material - Metal	Phosphor Bronze, Stainless Steel
Material - Plating Mating	Gold
Material - Plating Termination	Gold
PCB Locator	No
PCB Mounting Side	Reverse
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.043 In
Pitch - Mating Interface (mm)	1.10 mm
Pitch - Term. Interface (in)	0.035 In
Pitch - Term. Interface (mm)	0.90 mm
Ports	1
Temperature Range - Operating	-25°C to +85°C
Termination Interface: Style	Surface Mount
Electrical	
Current - Maximum per Contact	0.5A
Shielded	Yes
Voltage - Maximum	10V AC (RMS)/DC
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-104042-001
Product Specification	PS-104042-001
Sales Drawing	SD-104042-001

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

China RoHS



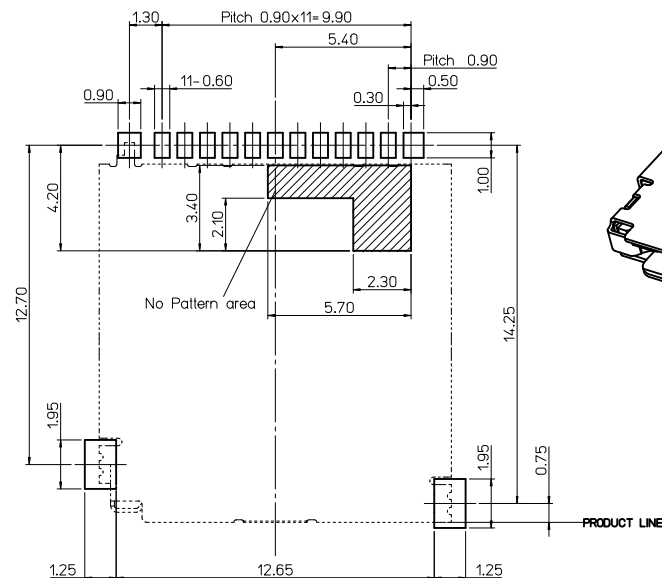
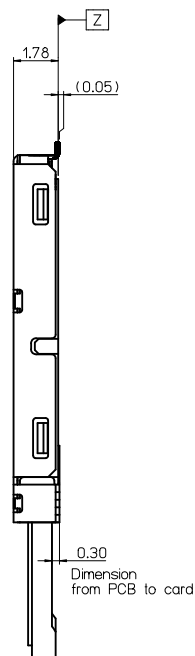
Need more information on product environmental compliance?

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
[104042Series](#)

Use With
microSD Card



= NOTES

1. MATERIALS: SEE TABLE
2. FINISHES: SEE TABLE
3. PRODUCT SPECIFICATIONS: PS-104042-001
4. PACKING SPECIFICATIONS: PK-104042-001
5. COPLANARITY OF SOLDER TAILS: 0.1mm MAX.
MISALIGNMENT OF SOLDER TAIL FROM "Z"
UPPER DIRECTION 0.05mm MAX., LOWER DIRECTION 0.1mm MAX.

Card insertion condition	Card detect switch	Circuit Switch pin Detect pin
Without Card	Close	
Card insertion	Open	

8	PIN ROD	STAINLESS STEEL	NONE
7	SLIDE CAM	THERMO PLASTIC	UL94V-0
6	SPRING	STAINLESS STEEL	NONE
5	SWITCH TERMINAL	PHOSPHOR BRONZE	SELECTIVE GOLD OVER NICKEL
4	DETECT TERMINAL	PHOSPHOR BRONZE	SELECTIVE GOLD OVER NICKEL
3	CONTACT TERMINALS	PHOSPHOR BRONZE	SELECTIVE GOLD OVER NICKEL
2	HOUSING	THERMO PLASTIC	UL94V-0
1	METAL SHELL	STAINLESS STEEL	SELECTIVE GOLD OVER NICKEL
NO.	PARTS NAME	MATERIALS	FINISHES

DIMENSION STYLE MM ONLY	SCALE 5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
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DRAWN BY	DATE	TITLE
J.C.YANG	2009.01.15	
CHECKED BY	DATE	
S.H.CHU	2009.01.15	MICROSD SOCKET REVERSE PUSH-PUSH 1.78H

APPROVED BY	DATE	 MOLEX INCORPORATED
S. J. SEH	2009.01.15	

MATERIAL NO.	DOCUMENT NO.	SHEET NO.
SEE TABLE	SD-104042-001	1 OF 2

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

NEW RELEASED EC NO: KOR2010-0104 DRWN: S.H.CHU 2010/01/12 CHKD: Y.SOOKIM 2010/01/13 APPR: YUNS IKKIM 2010/01/13	QUALITY SYMBOLS	1040420811		104042-0811	
		MATERIAL NO.		ORDER NO.	
A REV	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			
			mm	INCH	
		4 PLACES	± ---	± ---	
		3 PLACES	± ---	± ---	
		2 PLACES	± 0.05	± ---	
		1 PLACE	± 0.1	± ---	
		ANGULAR ± 1 °			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

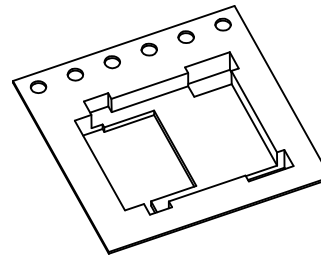
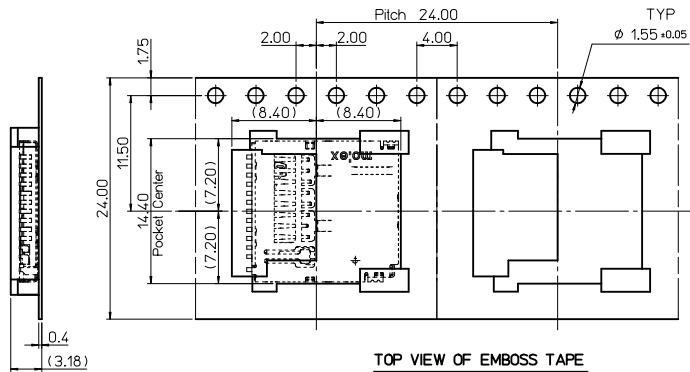
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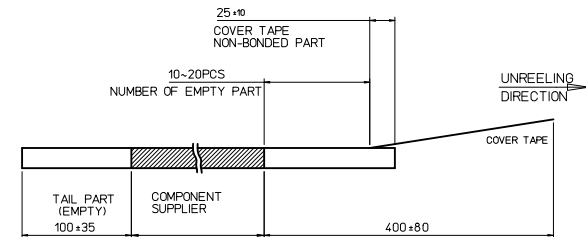
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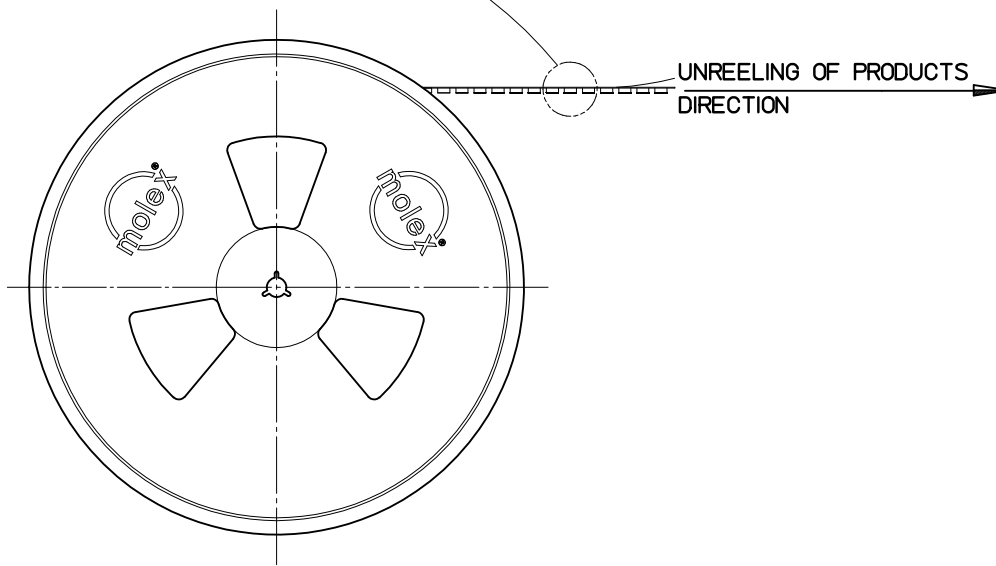
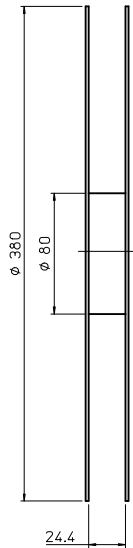
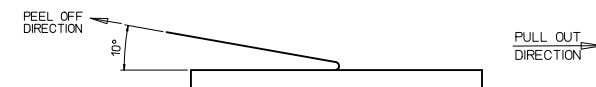


NOTES

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



3. PEELING OFF FORCE OF COVER TAPE : 0.1N~0.59N(10.2~60gf)
(PEELING DIRECTION AS BELOW)
- PEELING OFF SPEED : 300mm/Min.(Ref.)



NEW RELEASED EC NO: KOR2010-0104 DRWN:S. H. CHU 2010/01/12 CHKD:Y. SOO. KIM 2010/01/13 APPR:YUNS.IKKIM 2010/01/13	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY DATE I. C. YANG 2009.01.15		TITLE MICROSD SOCKET REVERSE PUSH-PUSH 1.78H			
			4 PLACES	± ---	± ---	CHECKED BY DATE S. H. CHU 2009.01.15					
			3 PLACES	± ---	± ---	APPROVED BY DATE S. J. SEH 2009.01.15					
			2 PLACES	± 0.05	± ---	MOLEX INCORPORATED		SD-104042-001		SHEET NO. 2 OF 2	
			1 PLACE	± 0.1	± ---						
			ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO.				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-104042-001			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
					SIZE A3						

9 8 7 6 5 4 3 2 1