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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



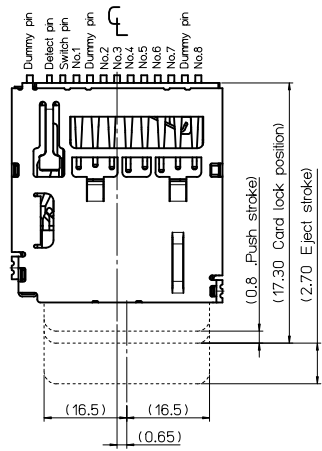
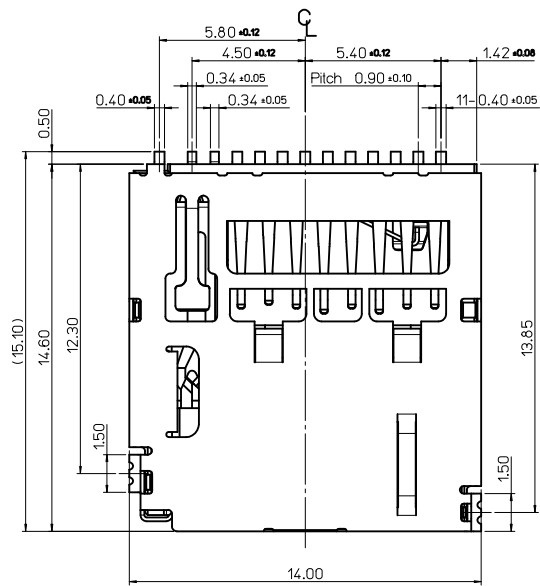
Need more information on product environmental compliance?

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

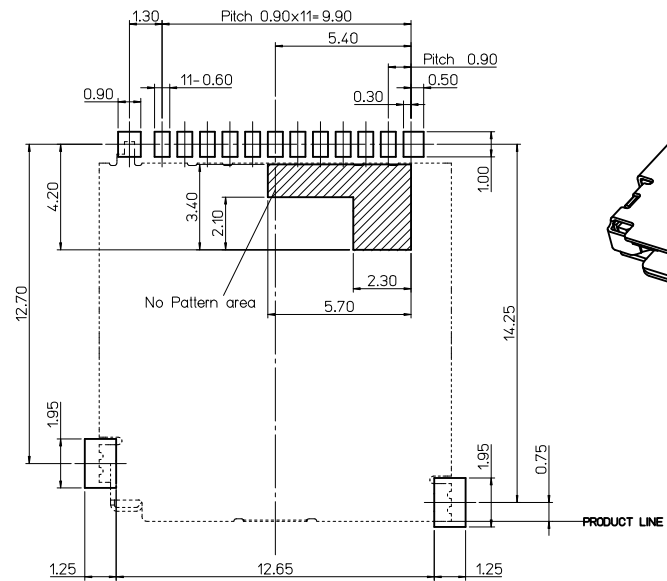
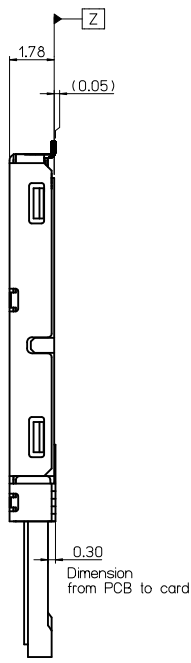
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[104042Series](#)

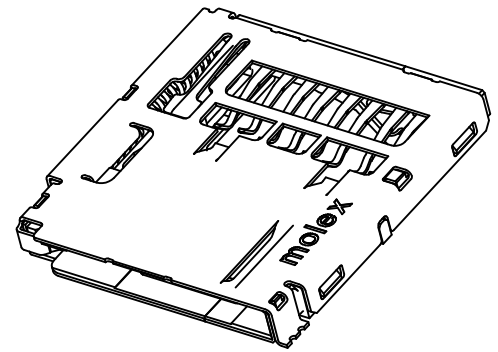
Use With
 microSD Card



VIEW OF INSERTED CARD
(SCALE 3:1)



RECOMMENDED PCB LAYOUT



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
Without Card	Close	
Card insertion	Open	

NO.	PARTS NAME	MATERIALS	FINISHES
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

1040420811	104042-0811
MATERIAL NO.	ORDER NO.

NEW RELEASED
EC NO: KOR2010-0104
DRWN: S.H.CHU 2010/01/12
CHKD: Y.SOOKIM 2010/01/13
APPR: YUNSIKKIM 2010/01/13

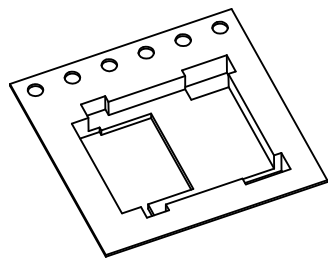
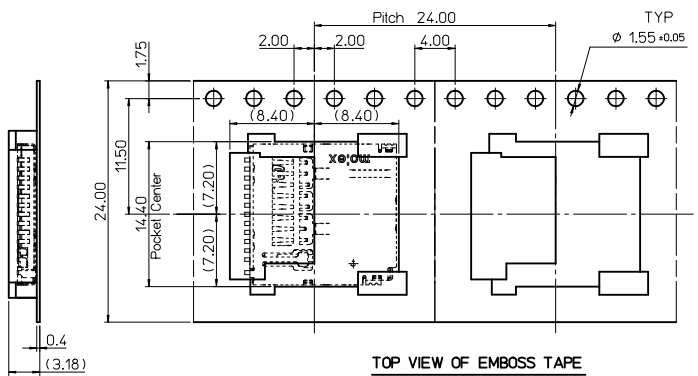
QUALITY SYMBOLS
▽=0
◁=0

	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

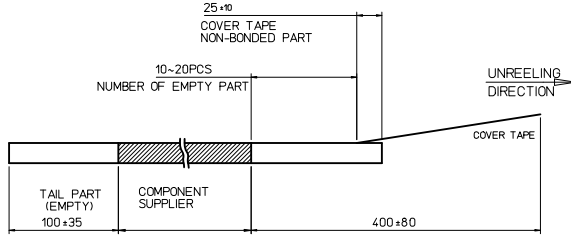
DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM ONLY		5:1	METRIC	
DRAWN BY	DATE	TITLE		
I. C. YANG	2009.01.15	MICROSD SOCKET REVERSE PUSH-PUSH 1.78H		
CHECKED BY	DATE	MOLEX INCORPORATED		
S. H. CHU	2009.01.15			
APPROVED BY	DATE	DOCUMENT NO.		
S. J. SEH	2009.01.15	SD-104042-001		
MATERIAL NO.	SEE TABLE	SHEET NO.		
SIZE	A3	1 OF 2		

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

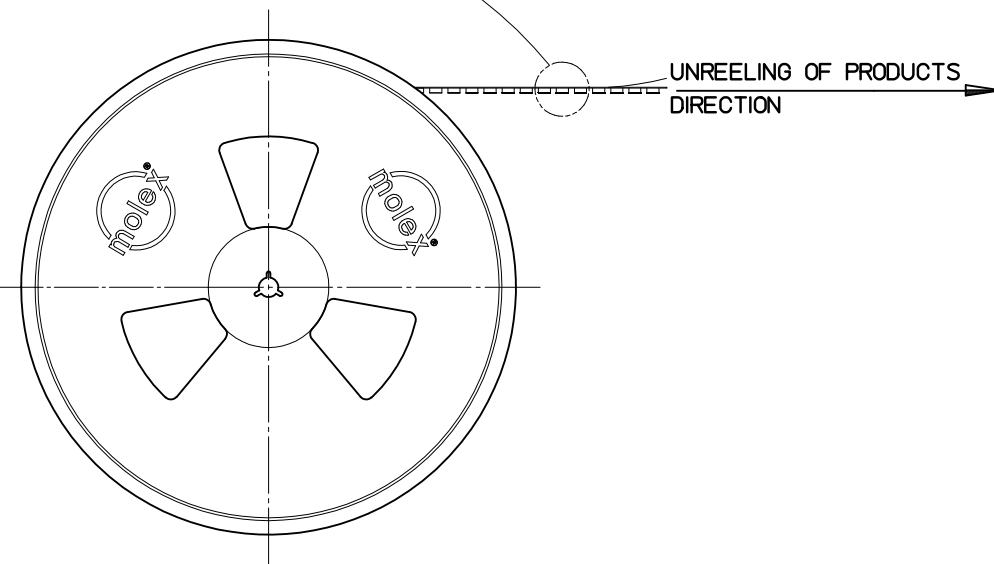
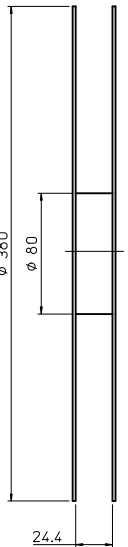
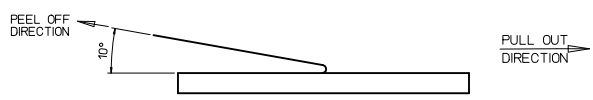


NOTES

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