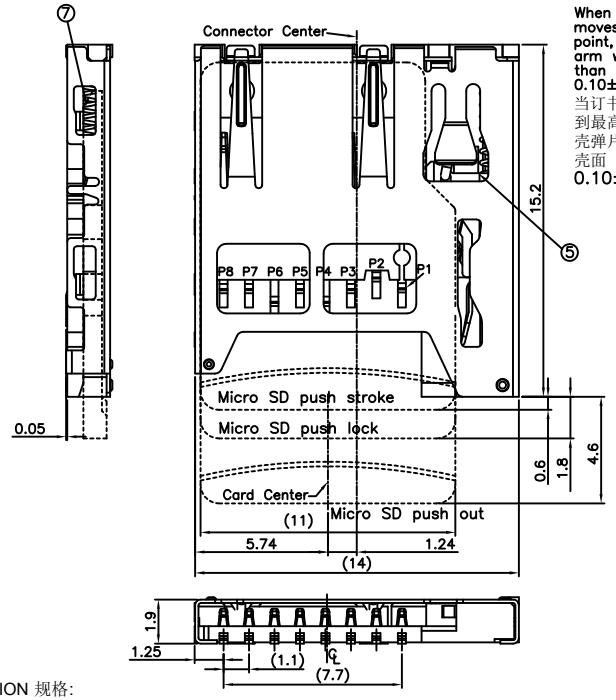
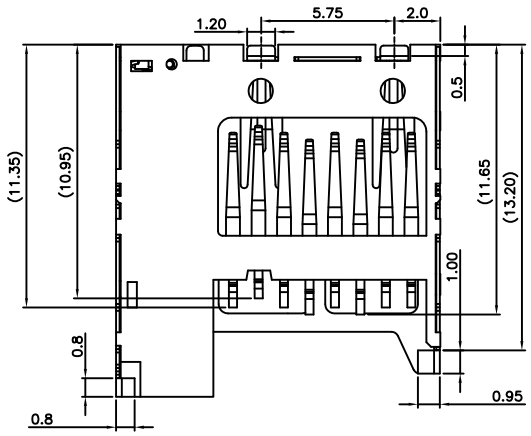
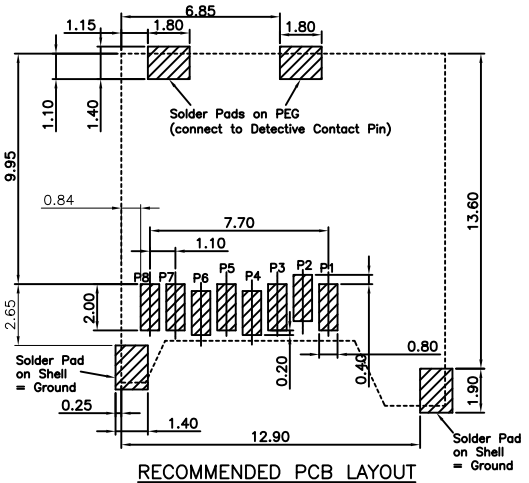
Global Connector Technology Ltd. - MEM2060: Micro SD Memory Card Connector, Push-Push, SMT, Card Entry Normal, 1.90mm Profile







RECOMMENDED PCB LAYOUT
GENERAL TOLERANCE: ±0.05
AS VIEWED FROM COMPONENT SIDE
Solder Area
Component Outline

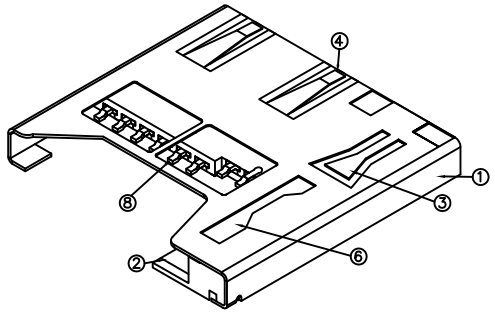


Table A

ITEM	DESCRIPTION	QTY	MATERIAL	FINISH & PLATING
1	Shell	1	Copper Alloy	Solder area Gold Flash
2	Housing	1	Thermoplastic UL94V-0	Color: Black
3	Cam Rod	1	Copper Alloy	———
4	Detective Contact PIN	1	Copper Alloy	Gold
5	Slider	1	Thermoplastic UL94V-0	Color: Black
6	Retention Contact	1	Copper Alloy	———
7	Spring	1	SWP ø0.20	Nickel
8	Data Contact	8	Copper Alloy	15u" Gold

SPECIFICATION 规格:

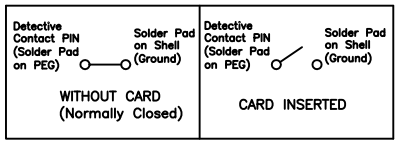
MATERIAL 物料规格:
- PLASTIC HOUSING 塑胶外壳:
  - BASE 基座: HIGH-TEMP. THERMOPLASTIC UL94V-0 RATED 高温塑胶
  - GUIDE 导块: HIGH-TEMP. THERMOPLASTIC UL94V-0 高温塑胶
- CONTACT TERMINAL 接触端子: BRASS 黄铜
- METALLIC SHELL 金属外壳: STAINLESS STEEL 不锈钢

PLATING 电镀规格:
- CONTACT TERMINAL PLATING 接触端子部分电镀:
  - UNDER-PLATING 底层电镀: 60U" NICKEL OVER ALL 全部镀镍60U"
  - CONTACT AREA 接触部分: 15U" GOLD 镀金15U"
  - SOLDERING AREA 焊接部分: 100U" MATTE TIN 镀雾锡 100U"
- METALLIC SHELL PLATING 金属外壳电镀:
  - UNDER-PLATING 底层电镀: 50U" NICKEL OVER ALL 全部镀镍50U"
  - SOLDERING AREA 焊接部分: GOLD FLASH 镀闪金
- SOLDER TAIL CO-PLANARITY 焊接末端同平面度: 0.12MM MAX.

ELECTRICAL电气规格:
- VOLTAGE RATING 电压额定值: 100 VAC (R.M.S.)
- CURRENT RATING 电流: 0.5 A MAX.
- OPERATING TEMPERATURE 工作温度: -25°C TO +85°C
- CONTACT RESISTANCE 接触电阻值: 100mΩ MAX.
- INSULATION RESISTANCE 绝缘电阻值: 500MΩ MIN. (APPLY 施加500VDC)
- DIELECTRIC WITHSTANDING VOLTAGE耐电压: LEAKAGE CURRENT 漏电流 < 1mA (APPLY 500VAC FOR 1 MIN; 施加 500VAC共一分钟)

MECHANICAL 机械性规格:
- DURABILITY耐久性: 5000 CYCLES 5000 次插拔

Card Detect Switch Circuit:



MICRO SD CARD PIN OUT

Pin	Name	Description
P1	DAT2	Data Bit 2
P2	CD/DAT3	Card Detect/Data Bit 3
P3	CMD	Command Line
P4	VDD	Supply Voltage 2.7v/3.6v
P5	CLK	Clock
P6	Vss	Ground
P7	DAT0	Data Bit 0
P8	DAT1	Data Bit 1

Ordering Grid

MEM2060 — 01 — 190 — 00 — A — REQUEST SAMPLES AND QUOTATION

- 01: Switch — 01 = Normally Closed
- 190
- 00 = Without Locating Post
- A: Packing Options — A = Tape & Reel (*Quantity per Reel: 1000 pcs*)

By	PKN	ASE	ADS	SA	ASE
DETAIL	DRAWING RELEASE	ECN080724A	ECN080808B	PIN 8 NAME UPDATE	INCORRECT FORCE DETAIL REMOVED
REV DATE	A 03/04/08	B 24/07/08	C 08/08/08	D 15/10/10	E 03/10/11

RoHS COMPLIANT 2002/95/EC Deca-BDEC

Tolerances (Except as noted)	
Dimensions in mm	
X. ± 0.35	X.° ± 5.0°
X.X ± 0.25	X.X° ± 3.0°
X.XX ± 0.15	X.XX° ± 1.5°

Third Angle Projection

Part Number:- MEM2060 | Date:- 03 APR 08

Description:- MICRO SD MEMORY CARD CONNECTOR, PUSH-PUSH, SMT, CARD ENTRY NORMAL, 1.90mm PROFILE

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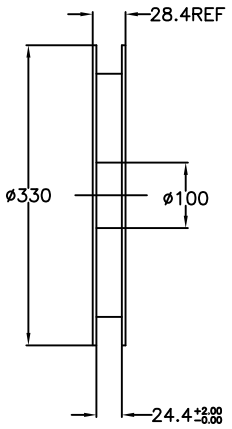
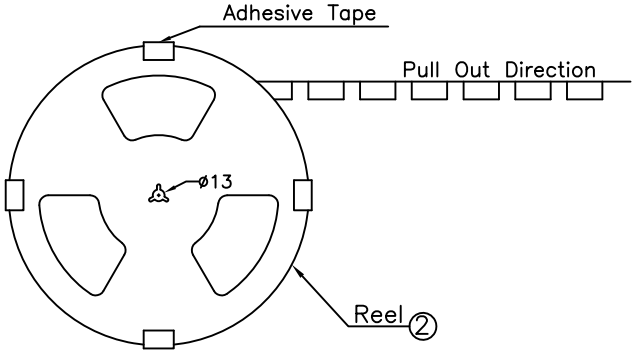
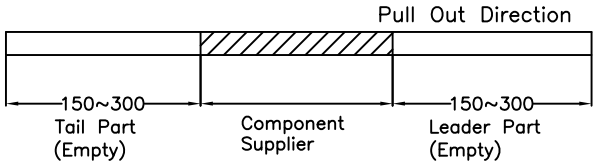
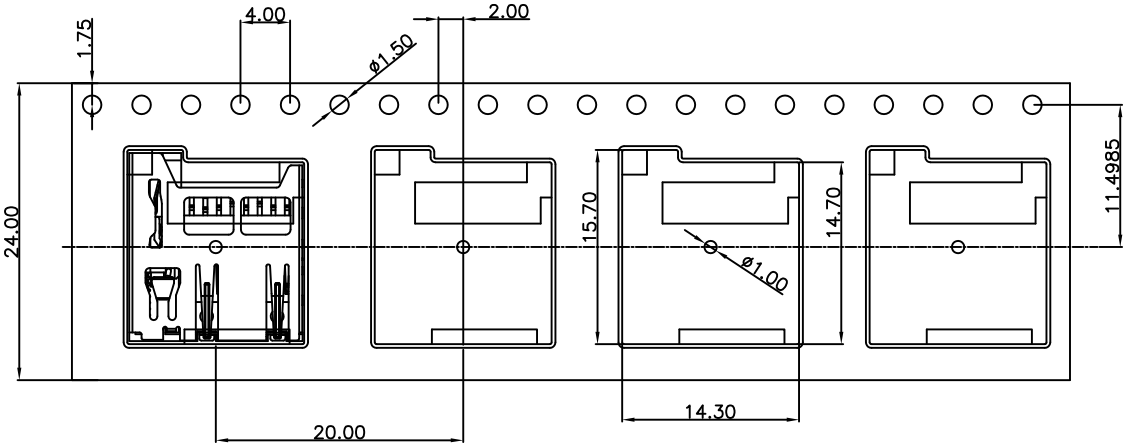
Scale	Revision	Material	Drawn by		Sheet No.
NTS	E	See Note	PKN	E & OE	1/3

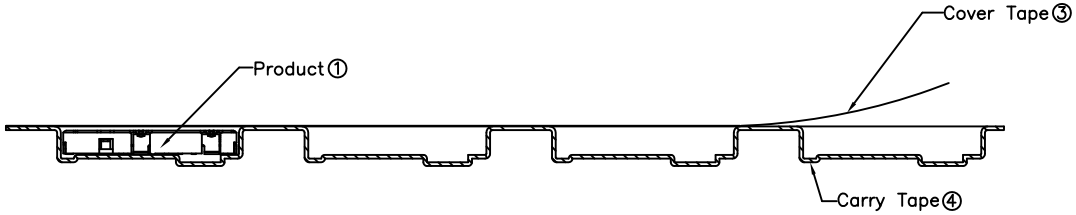
Global Connector Technology Ltd. - MEM2060: Micro SD Memory Card Connector, Push-Push, SMT, Card Entry Normal, 1.90mm Profile











NOTE 注意:

1. 150-300mm of the leading & tail of the CARRY TAPE will not be used
前部份與尾部各留出150~300mm長度不裝產品

2. Each Cavity holds 1pc. of Product. Placement methods as shown in the diagram
每穴放置1PC產品, 放置位置如圖所示

3. After the packing machine finished packing, stick adhesive tape on the end.
At the four quardrants of the REEL, stick on the adhesive tape to avoid out-spreading of the REEL.
On each REEL, stick 1pc. of label.
包裝機包好後尾端貼上膠帶, 在REEL的四個等分點貼上膠帶, 以防止REEL張開,每REEL貼1PC標籤

4. Packing Quantity: 1,000pcs/REEL, 5 REEL/Carton, 5,000pcs/Carton
包裝数量:1,000件/卷筒, 5 卷筒/纸箱, 5,000件/纸箱

5. Place 1pcs. of hard card-board, and 1pcs. of bubble-pad at the bottom of the Carton.
Around the four sides, stuff with the triangular pad, then place those filled REEL into the cartoon, between each REEL there will be 1pc of bubble-pad as separator, accordingly place all 5 REELs into the carton,
on the top place 1pc of bubble-pad & 1 hard card-board, lastly close the carton with adhesive tapes.
先在紙箱底部墊上1PC硬紙板, 在墊上1PC氣泡墊, 四周墊上三角墊, 然後把裝好產品的REEL放置紙箱中, 每REEL之間隔1PC氣泡墊, 依次把5REEL產品放到紙箱中, 在上面墊上各1PC氣泡墊和硬紙板, 最後用膠帶封箱

6.The peel-off force between the COVER TAPE & CARRY TAPE is: 0.1N-0.7N (variation within 0.3N). Peel-off angle:165-175 degree; Speed of peel-off: 250mm-300mm/min.COVER TAPE 与CARRY TAPE剥离力: 0.1N-0.7N(跳动量在0.3N以内)剥离角度: 165-175度;剥离速度:250mm-300mm/分钟

Packing Materials Per Carton 每纸箱包装物料清单:

Item	Part Description 品名	Specification 规格	QTY 用量
①	Micro SD Push (ON) 常开	Push Push Type (Normal On) 常开	5000PCS
②	REEL 卷筒	D=ø330mm,d=ø100mm,H=24.4mm	5PCS
③	Cover Tape 封带	W=21.3mm,T=0.05mm	20300mm
④	Carry Tape 卷带	W=24mm,P=20,T=0.3mm	20300mm
⑤	Hard Cardboard 硬纸板	330mm*330mm*3mm	2PCS
⑥	Bubble-Pad 气泡垫	310mm*310mm*10mm	6PCS
⑦	Label 标签		6PCS
⑧	Triangular Pad 三角垫	120mm*85mm*155mm(T=3mm)	4PCS
⑨	Carton 纸箱	350mm*350mm*177mm	1PCS

By	PKN	ASE	ADS	SA	ASE
DETAIL	DRAWING RELEASE	ECN080724A	ECN080808B	PIN 8 NAME UPDATE	INCORRECT FORCE DETAIL REMOVED
REV	A	B	C	D	E
DATE	03/04/08	24/07/08	08/08/08	15/10/10	03/10/11

ROHS COMPLIANT 2002/95/EC Deca-BDE✓

Tolerances (Except as noted)
Dimensions in mm

Third Angle Projection

Part Number:- MEM2060

Date:- 03 APR 08

Description:- MICRO SD MEMORY CARD CONNECTOR, PUSH-PUSH, SMT, CARD ENTRY NORMAL, 1.90mm PROFILE

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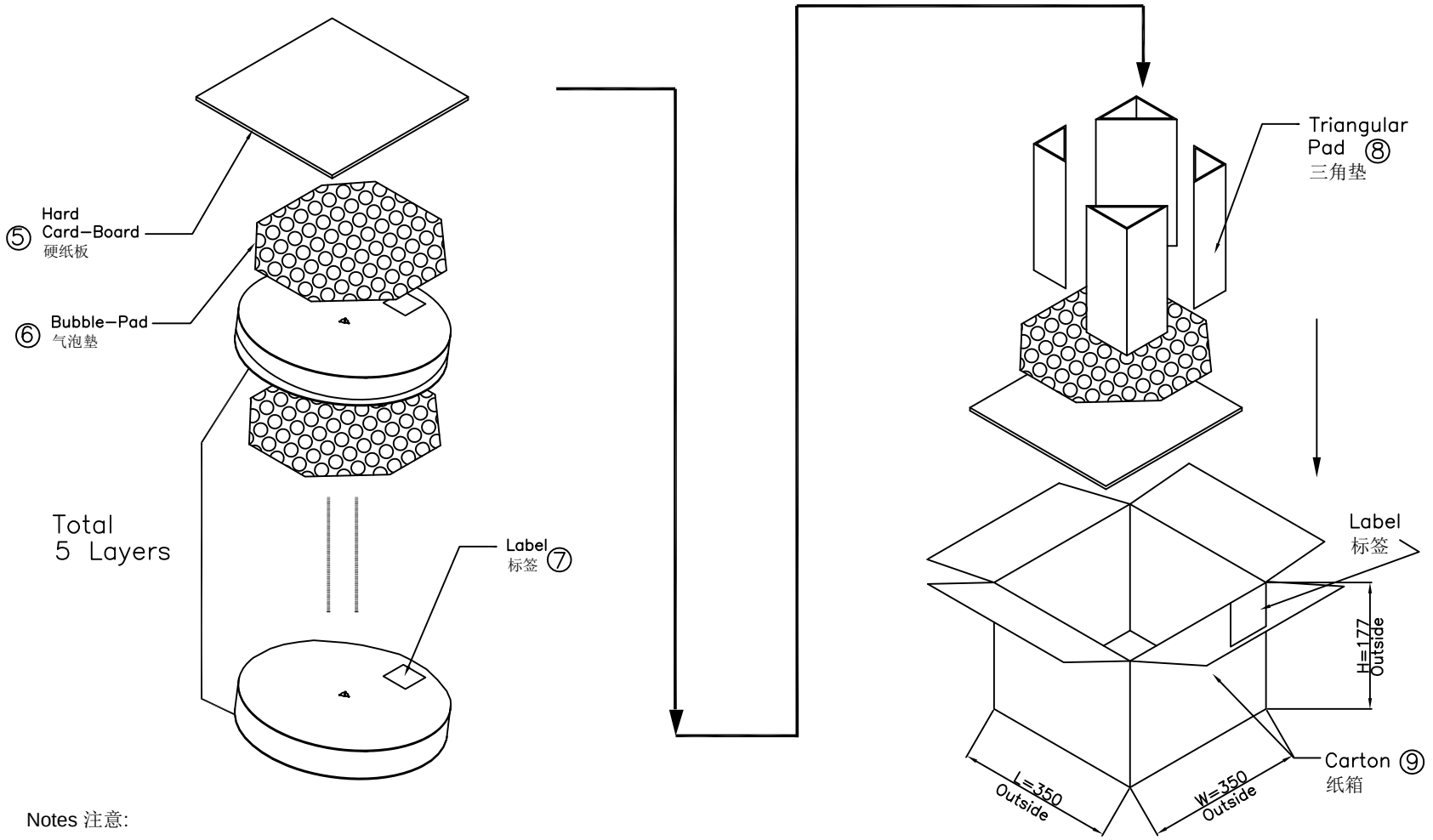
Scale	Revision	Material	Drawn by		Sheet No.
NTS	E	See Note	PKN	E & OE	2/3

Global Connector Technology Ltd. - MEM2060: Micro SD Memory Card Connector, Push-Push, SMT, Card Entry Normal, 1.90mm Profile



Notes 注意:

1.Primary Packing: 1K pcs/REEL 第一重包装:1000件 / 卷筒
2.Secondary Packing: 5 REEL / CARTON (5K PCS/CARTON) 第二重包装:5个卷筒 / 纸箱 (即5000件 / 纸箱)
3.Net Weight: 0.44g/pcs 每件净重:0.44g
4.Gross Weight: 0.88Kg/REEL, 5.4Kg/Carton 每卷筒毛重:0.88Kg, 每纸箱毛重:5.4Kg

By	PKN	ASE	ADS	SA	ASE
DETAIL	DRAWING RELEASE	ECN080724A	ECN080808B	PIN 8 NAME UPDATE	INCORRECT FORCE DETAIL REMOVED
REV DATE	A 03/04/08	B 24/07/08	C 08/08/08	D 15/10/10	E 03/10/11

ROHS COMPLIANT 2002/95/EC Deca-BDE

Tolerances (Except as noted)	Part Number:-	Date:-
Dimensions in mm	MEM2060	03 APR 08
	Description:-	
	MICRO SD MEMORY CARD CONNECTOR, PUSH-PUSH, SMT, CARD ENTRY NORMAL, 1.90mm PROFILE	
Third Angle Projection	© THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE COPIED OR DISCLOSED WITHOUT WRITTEN CONSENT	

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Scale	Revision	Material	Drawn by		Sheet No.
NTS	E	See Note	PKN	E & OE	3/3