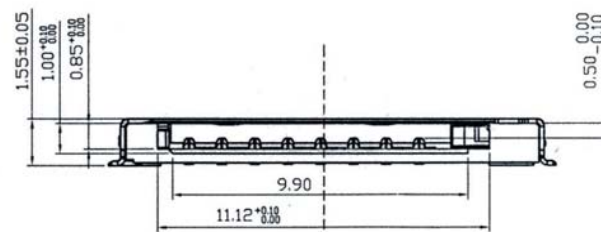
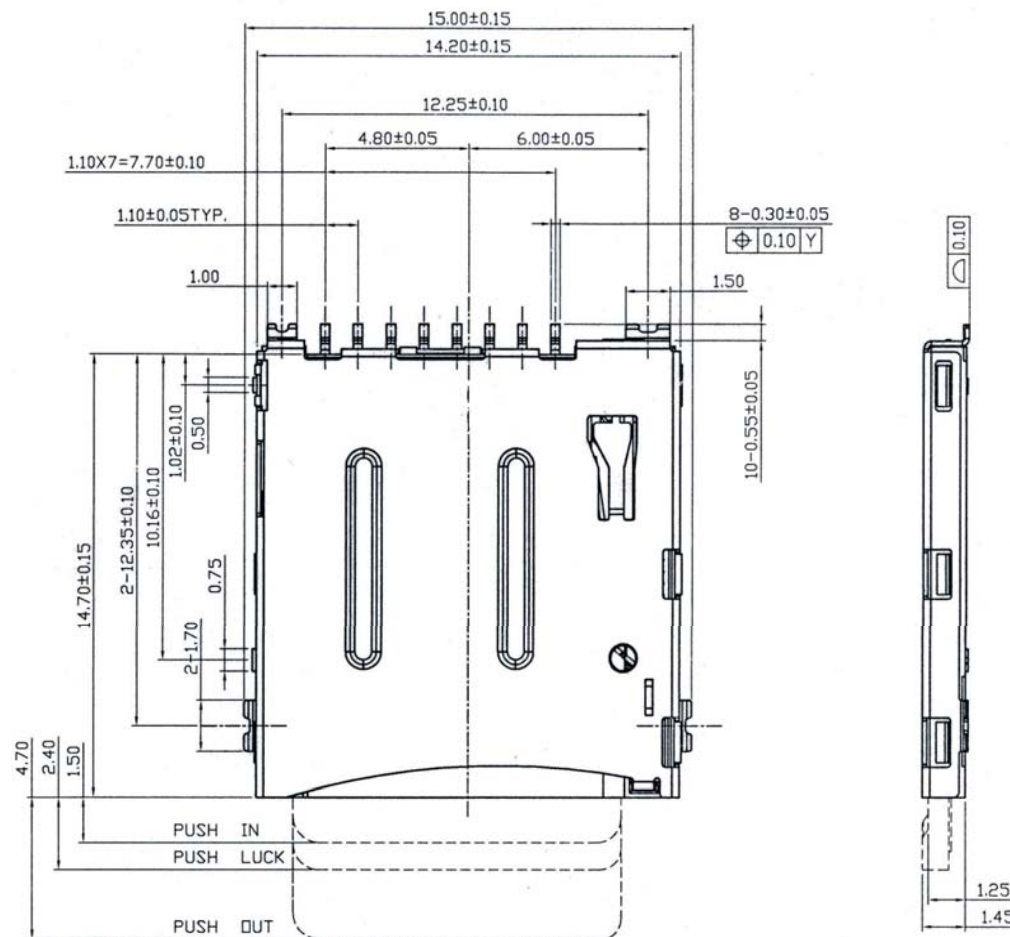


機密文件

REV.	MODIFICATION	DRAWN	APPROVED
Xe	EC120208	JACKY	LEO



Max. SD C/D (Pin 1)	GND (Pin 1)	Max. SD C/D (Pin 1)	GND (Pin 1)
Card Extraction	Card Inserted		
Micro SD Circuit			



1. THIS PRODUCT DOESN'T CONTAIN ENVIRONMENTAL HAZARDOUS MATERIALS PER DIRECTIVE 2002/95/EC FOR RoHS.  
2. ALL RIGHTS RESERVED. PRODUCTS ARE COVERED BY PATENTS AND/OR PATENTS PENDING.

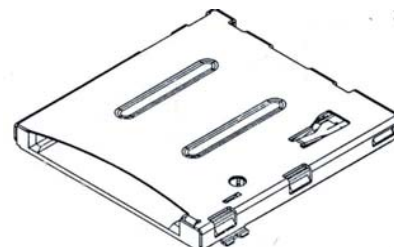
DOC. CONTROL  
PROCONN

PROCONN  
TECHNOLOGY CO., LTD.

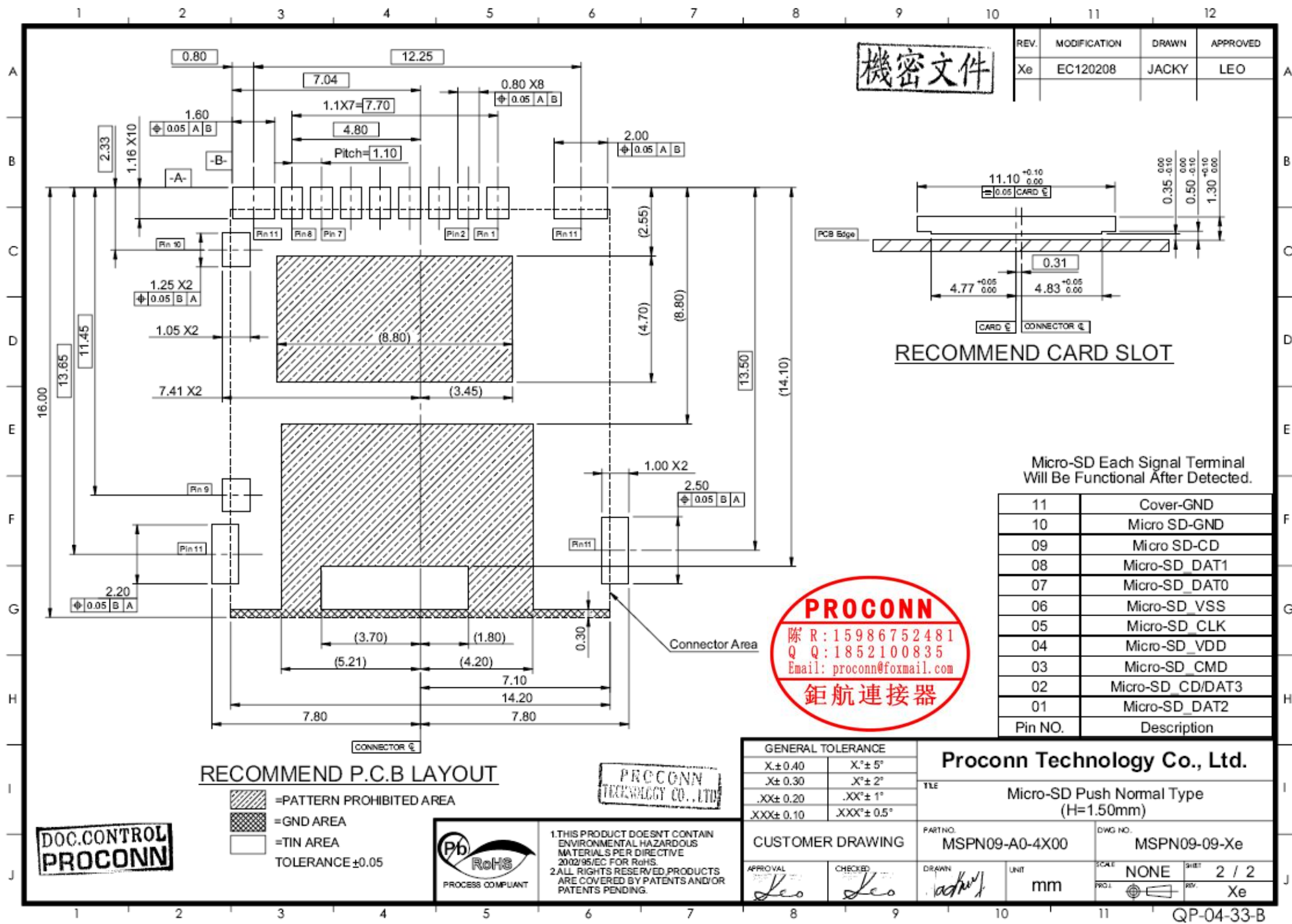
NOTES :

- Material :  
Housing/Slide : High temperature thermoplastic, UL94-V0.  
Housing Color : Black/Slide Color : Ivory  
Micro-SD Terminal : Copper Alloy.  
Micro-SD C/D PIN & GND PIN : Copper Alloy.  
Micro-SD Lock Pin : Stainless.  
Cover : Stainless.  
Hook/Spring : Stainless.
- Finish :  
Terminal :  
Underplate : Ni over all.  
Solder tail : Lead Free over Ni plate.  
Contact Area : Au over Ni plate.  
C/D PIN & GND PIN :  
Underplate : Ni over all.  
Solder tail : Lead Free over Ni plate.  
Contact Area : Au over Ni plate.  
Cover :  
Underplate : Ni over all.  
Solder tail : Au over Ni plate.
- Solder tail Coplanarity Must Be Within 0.10 mm.
- C/D : Card Detect Switch.
- GND : Ground
- There can't be things to press and hold on the products surface
- Part no: MSPN09-X0-4X00

1: Without logo & date code  
2: With logo & date code  
A: GOLD FLASH

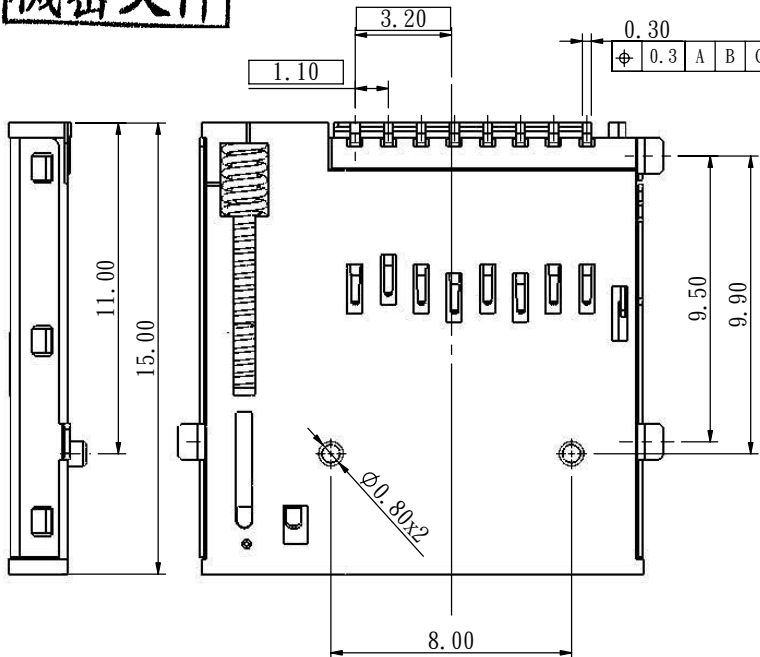
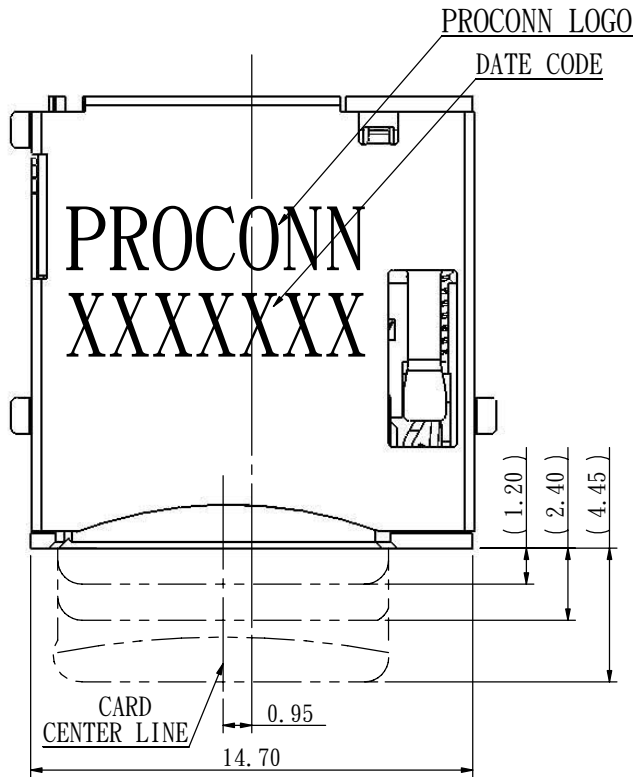


GENERAL TOLERANCE		Proconn Technology Co., Ltd.			
X±0.40	X°±5°	TITLE Micro-SD Push Normal Type (H=1.50mm)			
X±0.30	X°±2°	PART NO. MSPN09-A0-4X00			
.XX±0.20	.XX°±1°	DWG NO. MSPN09-09-Xe			
XXX±0.10	XXX°±0.5°	CUSTOMER DRAWING			
APPROVAL		CHECKED		DRAWN	
Leo		Leo		Jacky	
UNIT		mm		SCALE	
				NONE	
				SHEET	
				1 / 2	
				REV.	
				Xe	



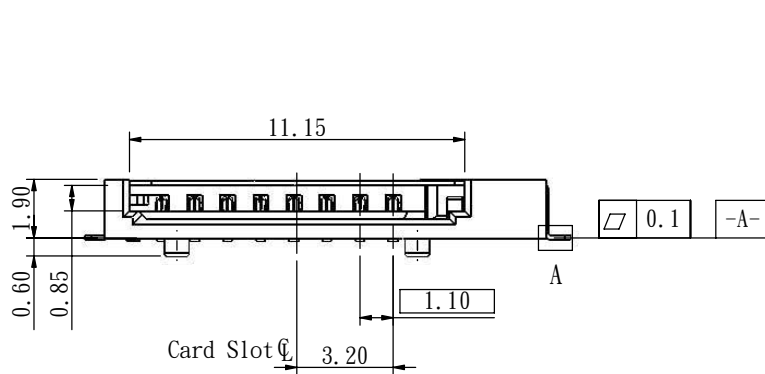
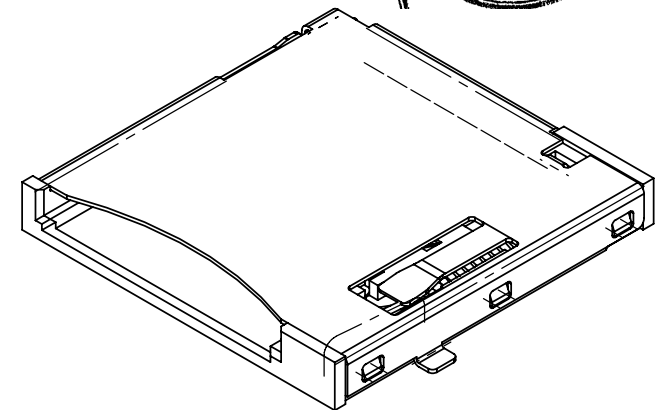
機密文件

REV.	MODIFICATION	DRAWN	APPROVED
D	EN030807	李兵	BOB



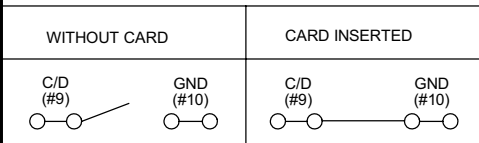
- NOTES :
1. MATERIAL :  
INSULATOR : HIGH TEMPERATURE THERMOPLASTIC  
FLAMMABILITY RATING : UL94V-0 COLOR : BLACK  
CONTACT : COPPER ALLOYS  
COVER : COPPER ALLOYS
  2. CONTACT AREA PLATING : GOLD OVER Ni  
C/D : MICRO SD CARD CARD DETECT INDICATION
  3. P/N : MSPN09- X0-0000

A -- CONTACT UNLEAD PLATING:  
A:GOLD FLASH  
C:10μ" GOLD



DOC.CONTROL  
PROCONN

SD CARD CIRCUIT :



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GENERAL TOLERANCE	
X ± 0.40	X° ± 5°
.X ± 0.30	.X° ± 2°
.XX ± 0.20	.XX° ± 1°
.XXX ± 0.10	.XXX° ± 0.5°

CUSTOMER DRAWING

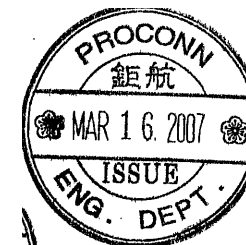
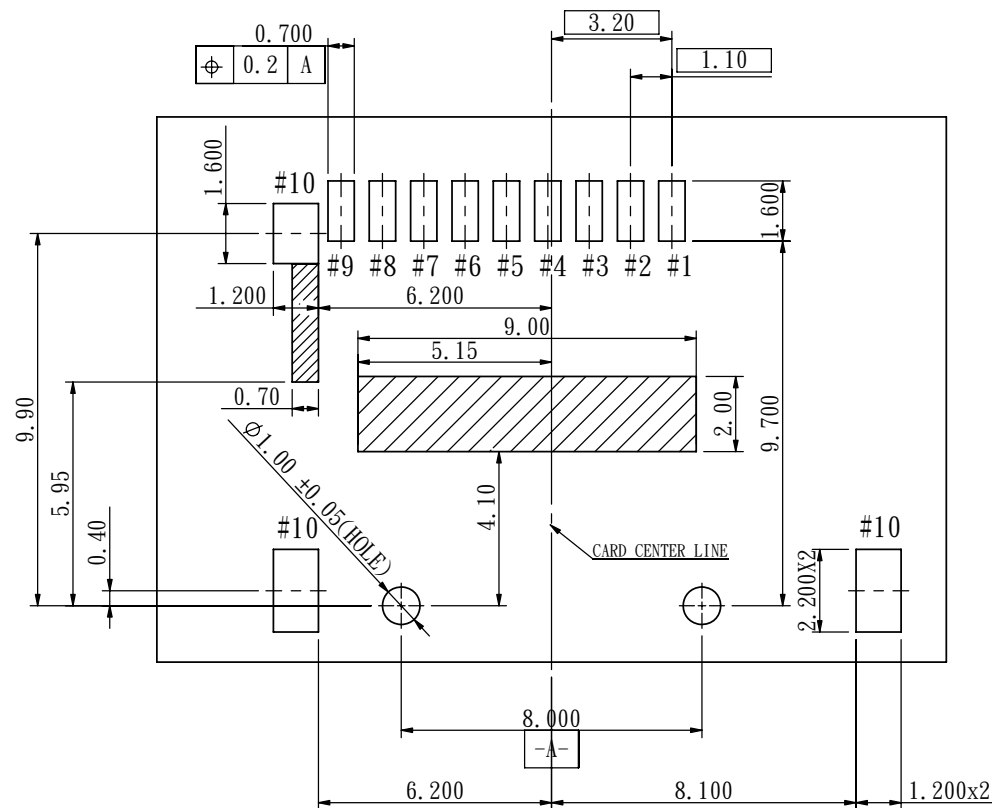
APPROVAL	CHECKED

Proconn Technology Co., Ltd.			
TITLE Micro SD Normal push-push Type Connector			
PART NO. MSPN09-X0-0000		DWG NO. MSPN09-01-D	
APPROVAL	CHECKED	DRAWN	UNIT
		李兵	mm
PROJ.	REV.	SCALE	SHEET
	D	4:1	1/2

QP-04-33-B

機密文件

REV.	MODIFICATION	DRAWN	APPROVED
D	EN030807	李兵	BOB



PIN NO.	NAME
#01	DAT2
#02	CD/DAT3
#03	CMD
#04	VDD
#05	CLK
#06	VSS
#07	DAT0
#08	DAT1
#09	C/D
#10	GND

PROHIBITION AREA

RECOMMEND P. C. B. LAYOUT

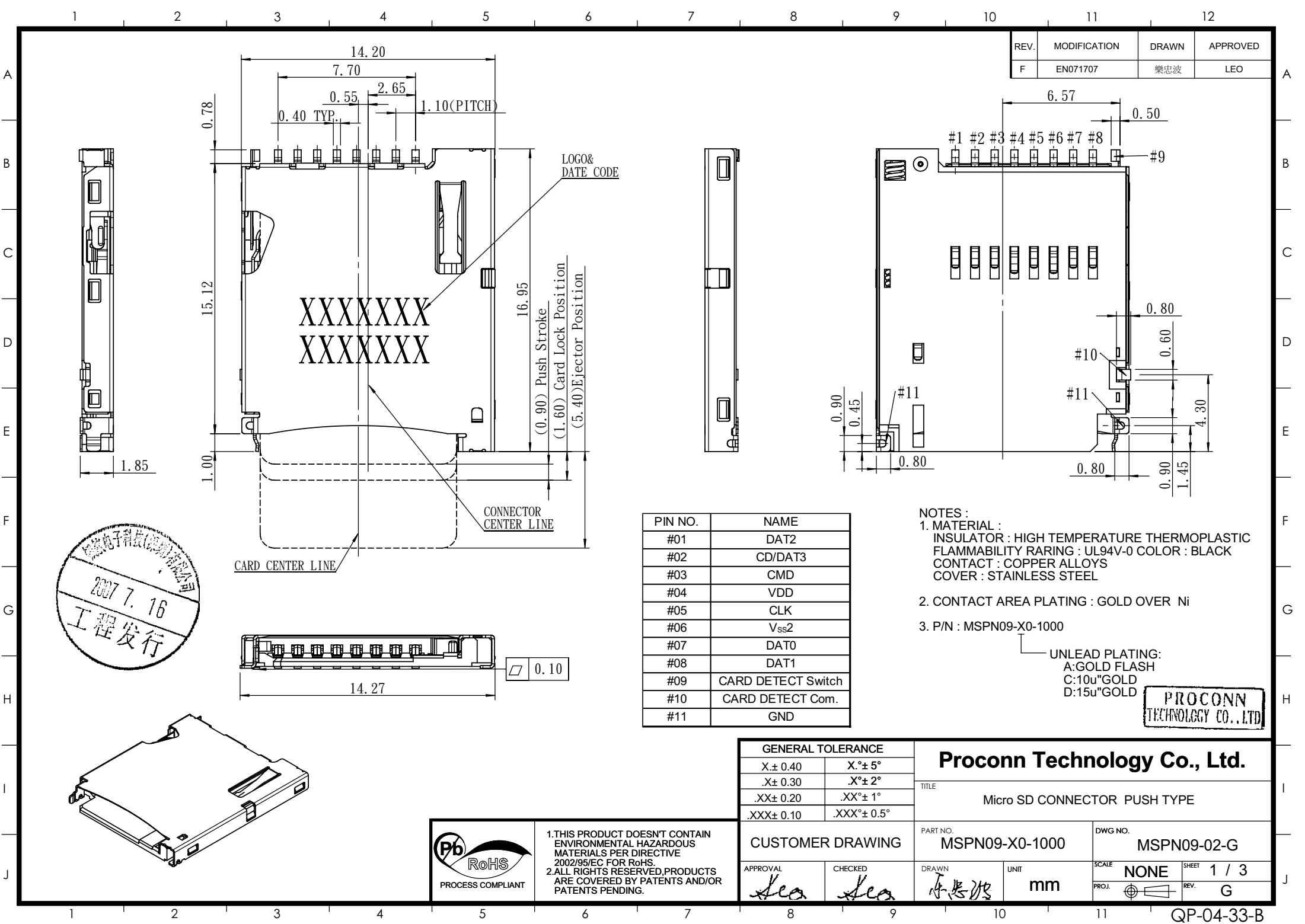
DOC.CONTROL  
PROCONN

GENERAL TOLERANCE		Proconn Technology Co., Ltd.	
X ± 0.40	X ° ± 5°		
.X ± 0.30	.X ° ± 2°		
.XX ± 0.20	.XX ° ± 1°		
.XXX ± 0.10	.XXX ° ± 0.5°	Micro SD Normal push-push Type Connector	
CUSTOMER DRAWING		PART NO.	DWG NO.
		MSPN09-X0-0000	MSPN09-01-D
APPROVAL	CHECKED	DRAWN	UNIT
李兵	李兵	李兵	mm
		SCALE	SHEET
		5:1	2/2
		PROJ.	REV.
			D



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QP-04-33-B



REV.	MODIFICATION	DRAWN	APPROVED
F	EN071707	樂忠波	LEO

PIN NO.	NAME
#01	DAT2
#02	CD/DAT3
#03	CMD
#04	VDD
#05	CLK
#06	Vss2
#07	DAT0
#08	DAT1
#09	CARD DETECT Switch
#10	CARD DETECT Com.
#11	GND

NOTES :  
1. MATERIAL :  
INSULATOR : HIGH TEMPERATURE THERMOPLASTIC  
FLAMMABILITY RATING : UL94V-0 COLOR : BLACK  
CONTACT : COPPER ALLOYS  
COVER : STAINLESS STEEL


2. CONTACT AREA PLATING : GOLD OVER Ni

3. P/N : MSPN09-X0-1000

UNLEAD PLATING:  
A:GOLD FLASH  
C:10u" GOLD  
D:15u" GOLD

PROCONN  
TECHNOLOGY CO., LTD.

GENERAL TOLERANCE				Proconn Technology Co., Ltd.			
X ± 0.40	X ° ± 5°						
.X ± 0.30	.X ° ± 2°			TITLE Micro SD CONNECTOR PUSH TYPE			
.XX ± 0.20	.XX ° ± 1°						
.XXX ± 0.10	.XXX ° ± 0.5°						
CUSTOMER DRAWING				PART NO. MSPN09-X0-1000	DWG NO. MSPN09-02-G		
APPROVAL Leo	CHECKED Leo	DRAWN 乐忠波	UNIT mm	SCALE NONE	SHEET 1 / 3	REV. G	

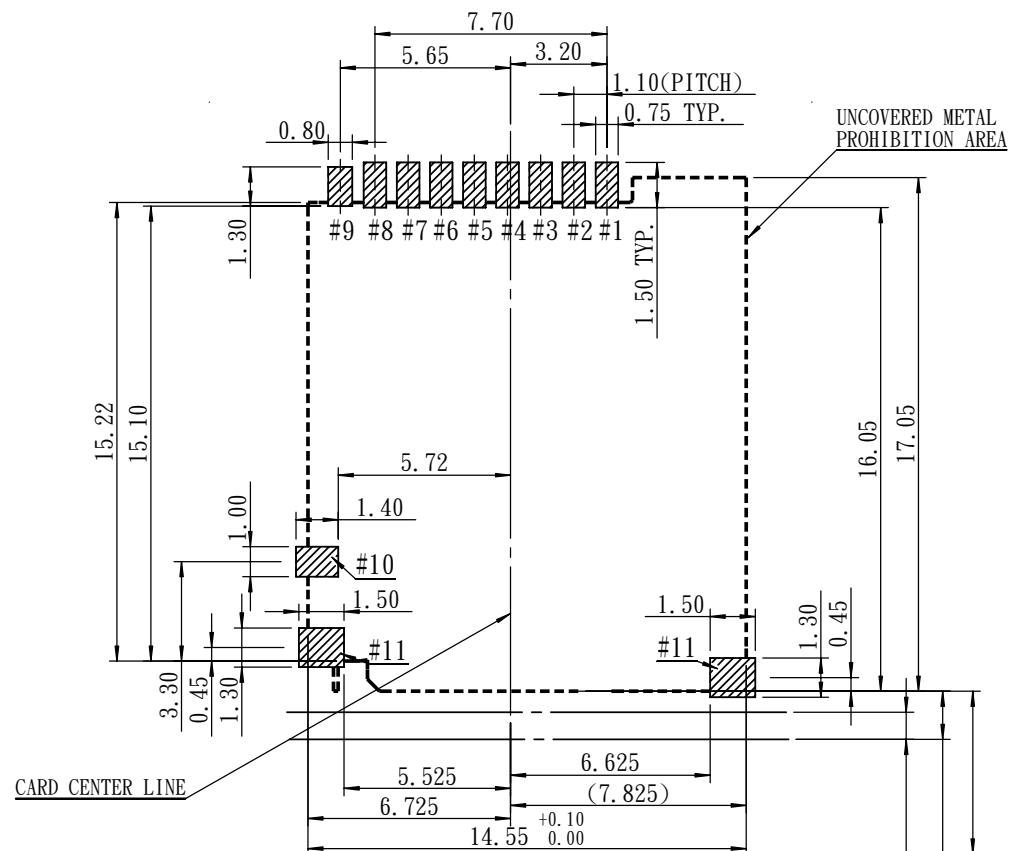


PROCESS COMPLIANT

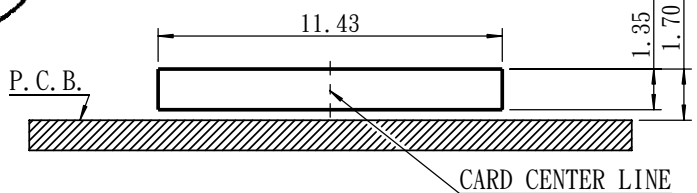
1. THIS PRODUCT DOESN'T CONTAIN ENVIRONMENTAL HAZARDOUS MATERIALS PER DIRECTIVE 2002/95/EC FOR RoHS.

2. ALL RIGHTS RESERVED. PRODUCTS ARE COVERED BY PATENTS AND/OR PATENTS PENDING.

REV.	MODIFICATION	DRAWN	APPROVED
F	EN071707	樂忠波	LEO



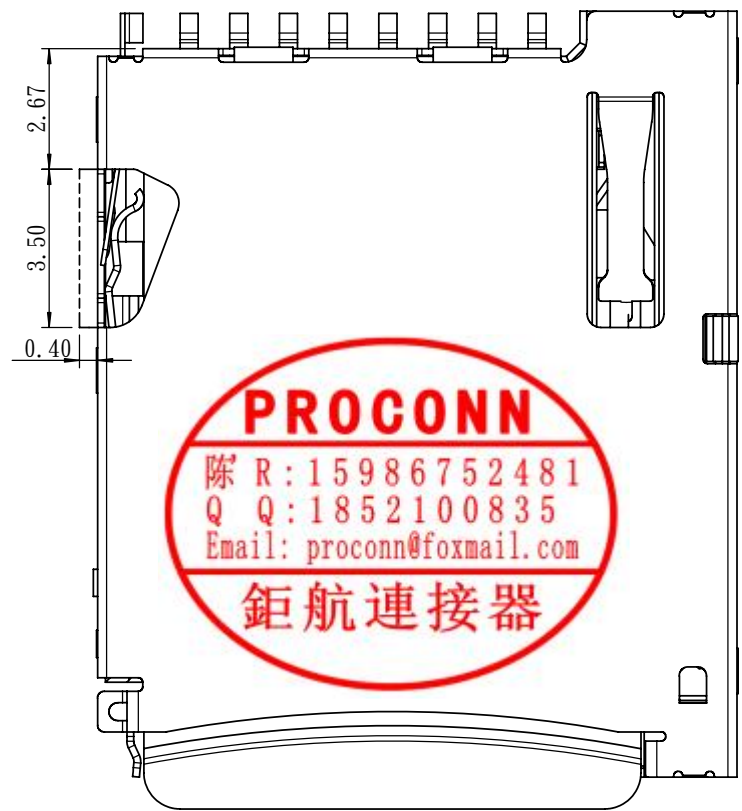
RECOMMEND P. C. B. LAYOUT  
TOLERANCE  $\pm 0.05$



RECOMMEND CARD SLOT  
TOLERANCE  $\pm 0.05$


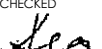
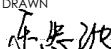



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A SIZE WHEN A HOOK PART  
OPERATES (MAX. 0.4mm)



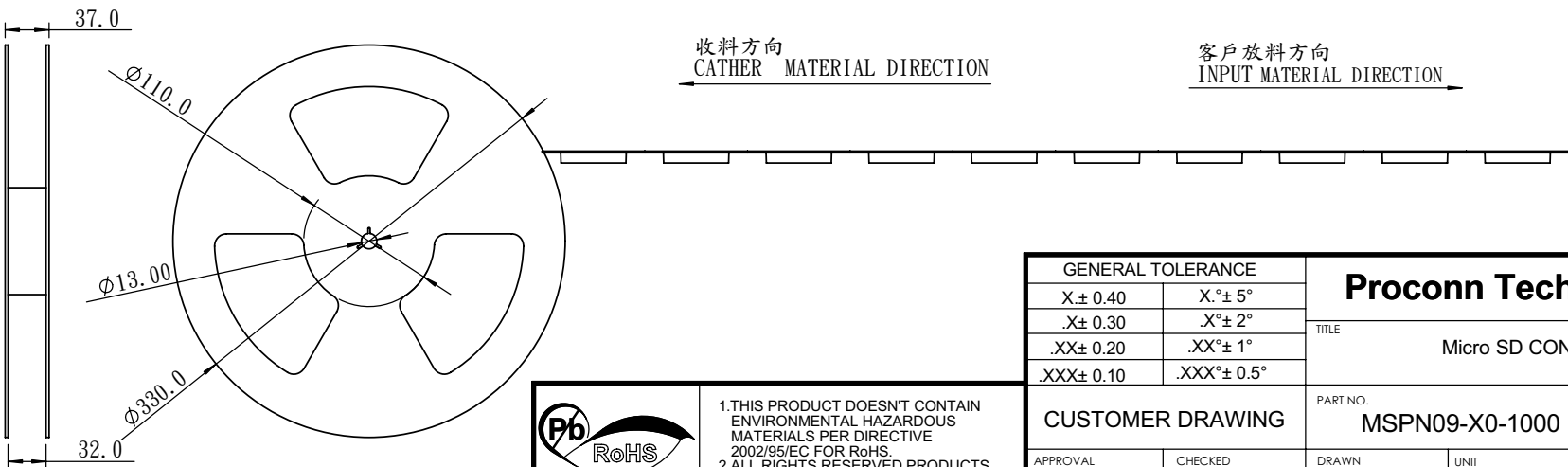
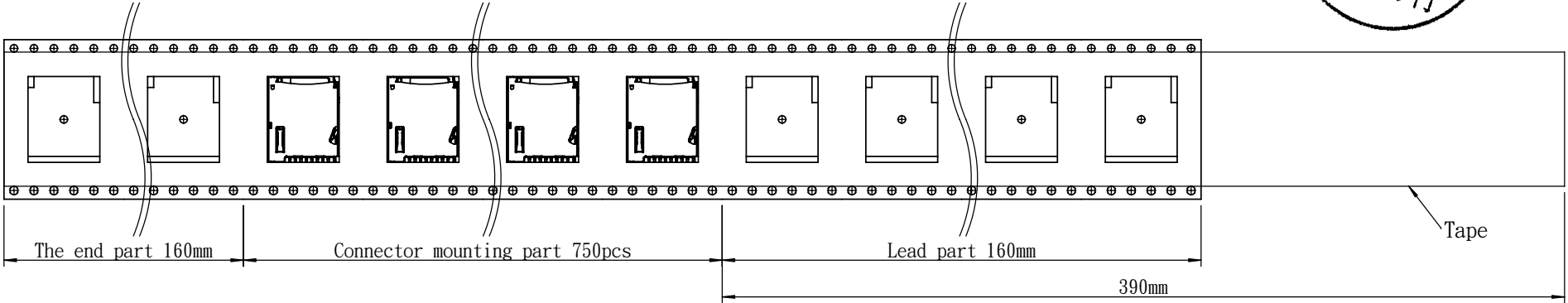
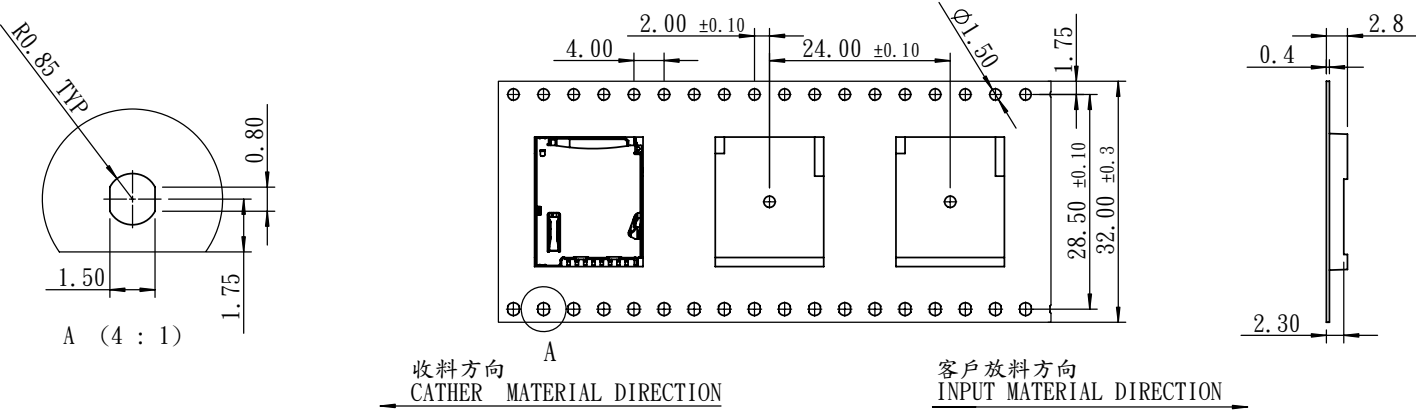
GENERAL TOLERANCE		Proconn Technology Co., Ltd.			
X± 0.40	X.°± 5°				
.X± 0.30	.X°± 2°				
.XX± 0.20	.XX°± 1°				
.XXX± 0.10	.XXX°± 0.5°				
		TITLE Micro SD CONNECTOR PUSH TYPE			
CUSTOMER DRAWING		PART NO. MSPN09-X0-1000		DWG NO. MSPN09-02-G	
APPROVAL 	CHECKED 	DRAWN 	UNIT mm	SCALE NONE	SHEET 2 / 3
				PROJ. 	REV. G




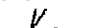
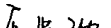

REV.	MODIFICATION	DRAWN	APPROVED
F	EN071707	樂忠波	LEO

Package. liformation

Patr Number	Q'ty per reel
PACKT-00-0035	750 PCS



PROCONN  
TECHNOLOGY CO.,LTD

GENERAL TOLERANCE		Proconn Technology Co., Ltd.			
X± 0.40	X.°± 5°				
.X± 0.30	.X°± 2°				
.XX± 0.20	.XX°± 1°				
.XXX± 0.10	.XXX°± 0.5°				
CUSTOMER DRAWING		TITLE		Micro SD CONNECTOR PUSH TYPE	
APPROVAL 		PART NO.		DWG NO.	
		MSPN09-X0-1000		MSPN09-02-G	
		APPROVAL		SHEET	
CHECKED		DRAWN		SCALE	
				NONE	
		UNIT		PROJ.	
		mm			
				REV.	
				G	

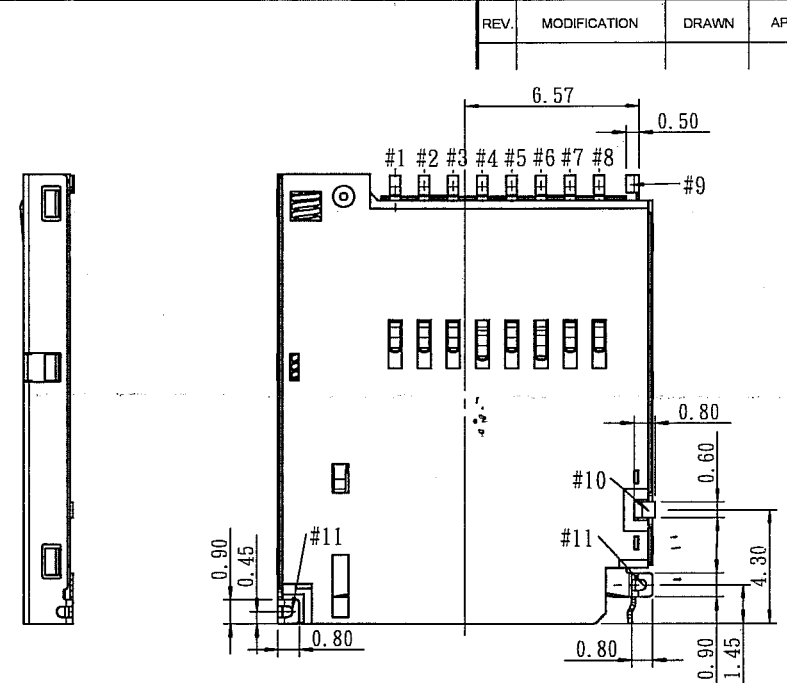
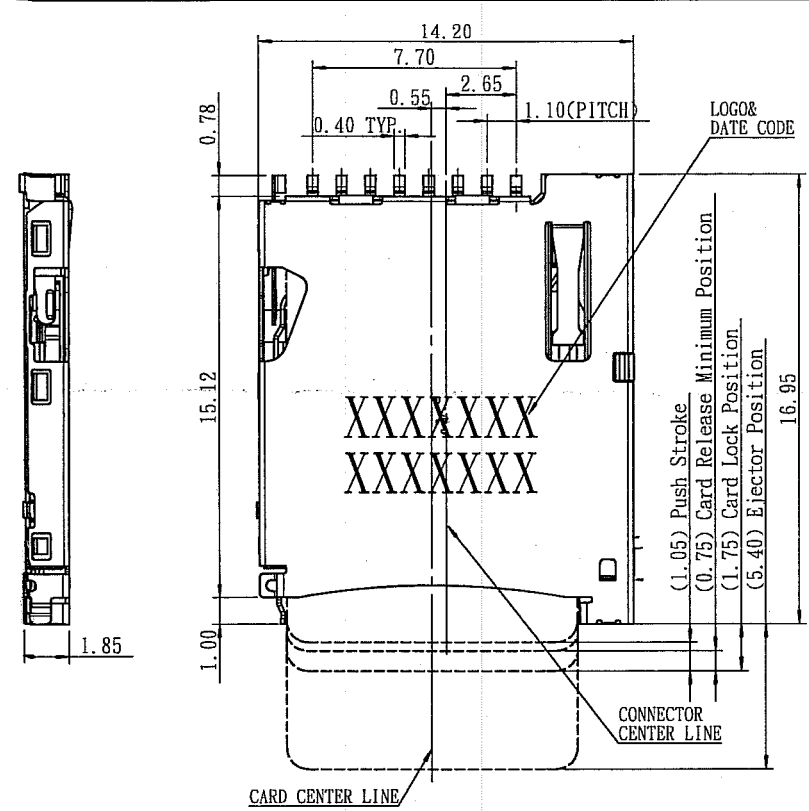


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1 2 3 4 5 6 7 8 9 10 11 12

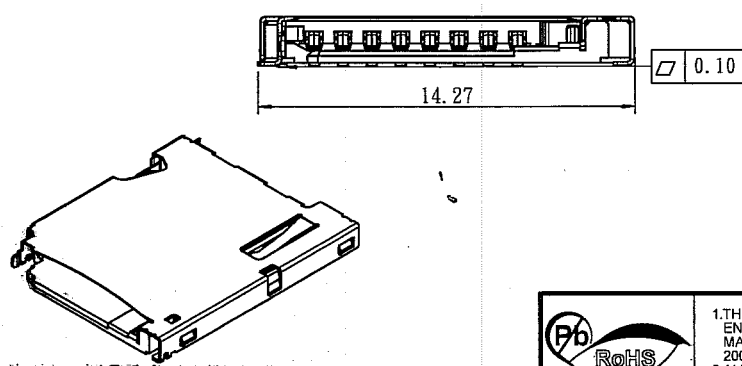
A  
B  
C  
D  
E  
F  
G  
H  
I  
J

A  
B  
C  
D  
E  
F  
G  
H  
I  
J



PIN NO.	NAME
#01	DAT2
#02	CD/DAT3
#03	CMD
#04	VDD
#05	CLK
#06	Vss2
#07	DAT0
#08	DAT1
#09	CARD DETECT Switch
#10	CARD DETECT Com.
#11	GND

NOTES:  
1. MATERIAL:  
INSULATOR: HIGH TEMPERATURE THERMOPLASTIC  
FLAMMABILITY RATING: UL94V-0 COLOR: BLACK  
CONTACT: COPPER ALLOYS  
COVER: STAINLESS STEEL  
2. CONTACT AREA PLATING: GOLD OVER Ni  
3. P/N: MSPN09-X0-1002



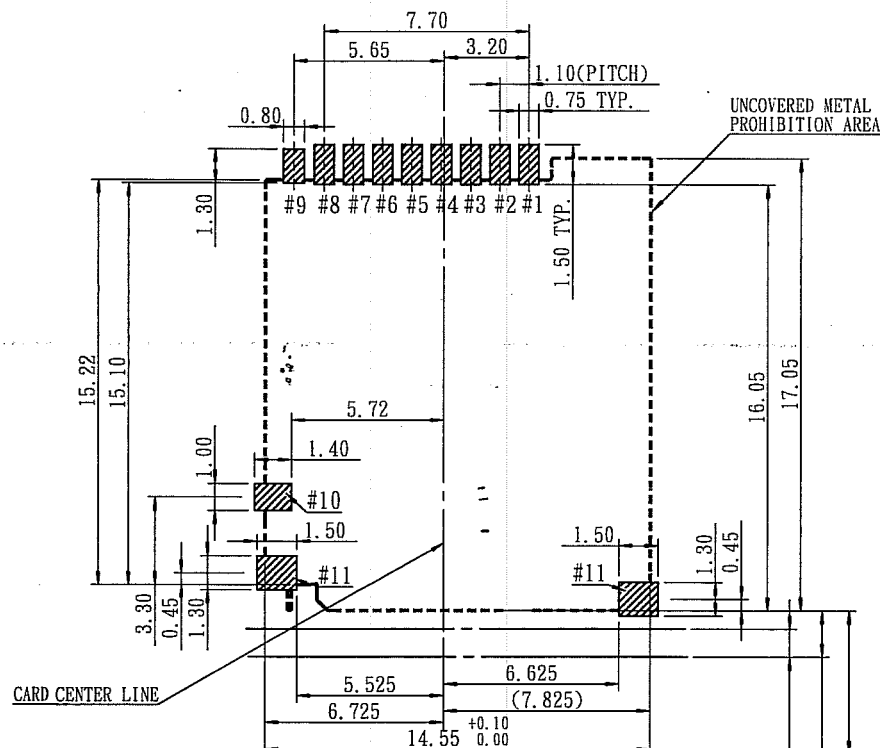
GENERAL TOLERANCE		Proconn Technology Co., Ltd.	
X±0.40	X°±5°		
X±0.30	X°±2°		
XX±0.20	XX°±1°		
XXX±0.10	XXX°±0.5°	TITLE Micro SD CONNECTOR PUSH TYPE	
CUSTOMER DRAWING		PART NO. MSPN09-X0-1002	DWG NO. MSPN09-13-A
		UNIT mm	SCALE NONE
APPROVAL		DRAWN	SHEET 1 / 3
CHECKED		PROJ.	REV. A

RoHS  
PROCESS COMPLIANT

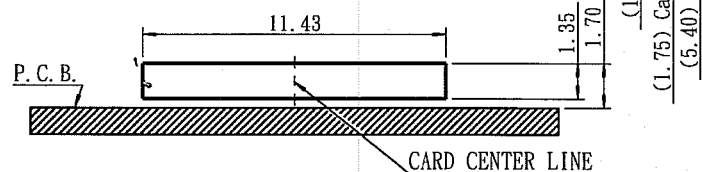
1. THIS PRODUCT DOESN'T CONTAIN ENVIRONMENTAL HAZARDOUS MATERIALS PER DIRECTIVE 2002/95/EC FOR ROHS.  
2. ALL RIGHTS RESERVED. PRODUCTS ARE COVERED BY PATENTS AND/OR PATENTS PENDING.



REV.	MODIFICATION	DRAWN	APPROVED
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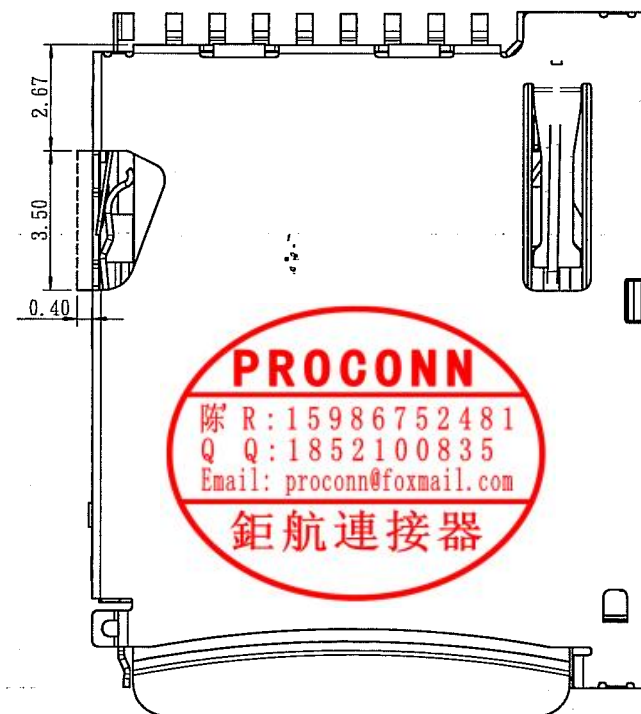
RECOMMEND P. C. B. LAYOUT  
TOLERANCE  $\pm 0.05$



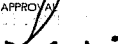

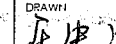

RECOMMEND CARD SLOT  
TOLERANCE  $\pm 0.05$



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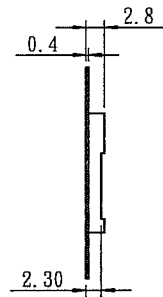
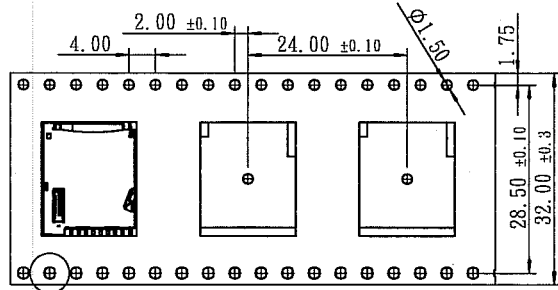
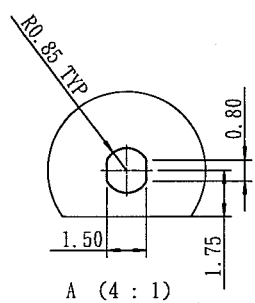
A SIZE WHEN A HOOK PART  
OPERATES (MAX. 0.4mm)

GENERAL TOLERANCE		<b>Proconn Technology Co., Ltd.</b> TITLE Micro SD CONNECTOR PUSH TYPE			
X±0.40	X°±5°				
X±0.30	X°±2°				
.XX±0.20	.XX°±1°				
XXX±0.10	XXX°±0.5°				
CUSTOMER DRAWING		PART NO.		DWG NO.	
		MSPN09-X0-1002		MSPN09-13-A	
APPROVAL	CHECKED	DRAWN	UNIT	SCALE	SHEET
			mm	NONE	2 / 3
				PROJ.	REV.
					A

QP-04-33-B

1 2 3 4 5 6 7 8 9 10 11 12

A  
B  
C  
D  
E  
F  
G  
H  
I  
J



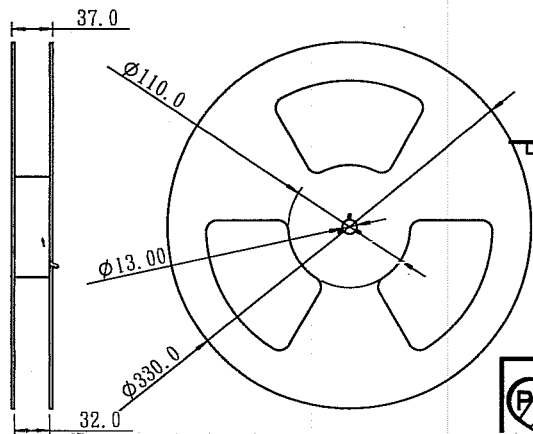
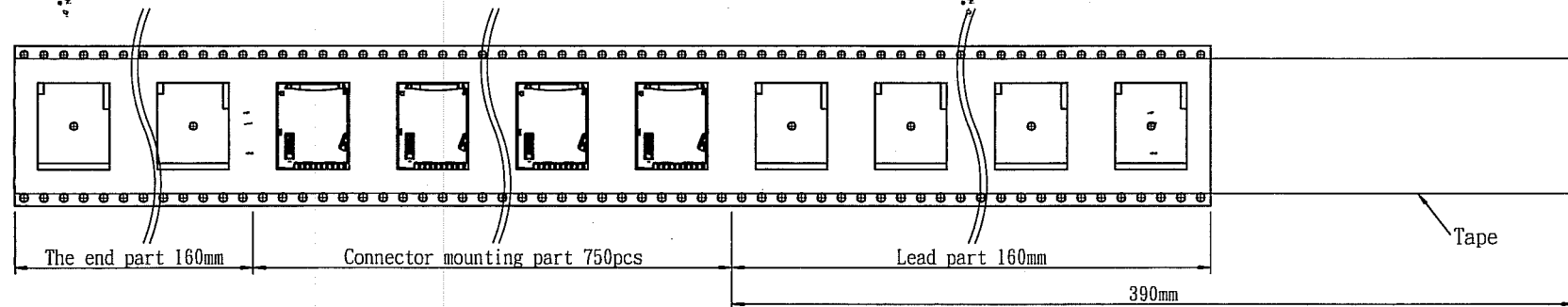
REV.	MODIFICATION	DRAWN	APPROVED

Package Information

Part Number	Qty per reel
PACKT-00-0035	750 PCS

收料方向  
CATER MATERIAL DIRECTION

客户放料方向  
INPUT MATERIAL DIRECTION



收料方向  
CATER MATERIAL DIRECTION

客户放料方向  
INPUT MATERIAL DIRECTION

GENERAL TOLERANCE	
X ± 0.40	X° ± 5°
X ± 0.30	X° ± 2°
.XX ± 0.20	.XX° ± 1°
.XXX ± 0.10	.XXX° ± 0.5°

Proconn Technology Co., Ltd.

TITLE  
Micro SD CONNECTOR PUSH TYPE

CUSTOMER DRAWING

PART NO.  
MSPN09-X0-1002

DWG NO.  
MSPN09-13-A

APPROVAL  
*[Signature]*

CHECKED  
*[Signature]*

DRAWN  
*[Signature]*

UNIT  
mm

SCALE  
NONE

SHEET  
3 / 3

REV.  
A



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QP-04-33-B

機密文件

REV.	MODIFICATION	DRAWN	APPROVED
Xe	EC120207	JACKY	LEO

# NOTES :

## 1.Material :

Housing/Slide : High temperature thermoplastic,UL94-V0.  
Housing Color : Black/Slide Color : Ivory  
Micro-SD Terminal : Copper Alloy.  
Micro-SD C/D PIN & GND PIN : Copper Alloy.  
Cover : Stainless.  
Hook/Spring : Stainless.

## 2.Finish :

### Terminal :

Underplate : Ni over all.  
Solder tail : Lead Free over Ni plate.  
Contact Area : Au over Ni plate.  
C/D PIN  
Underplate : Ni over all.  
Solder tail : Lead Free over Ni plate.  
Contact Area : Au over Ni plate.

### Cover :

Underplate : Ni over all.  
Solder tail : Au over Ni plate.

3.Solder tail Coplanarity Must Be Within 0.10 mm.

4.C/D : Card Detect Switch.

5.There can't be things to press and hold on the products surface

7.Part no:MSPN09-A0-2X05

0-WITHOUT LOGO & DATECODE  
2-WIHT LOGO & DATECODE  
A: GOLD FLASH



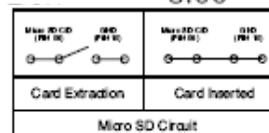
**PROCONN**

陈 R:15986752481  
Q Q:1852100835  
Email: proconn@foxmail.com

**鉅航連接器**

**DOC.CONTROL**  
**PROCONN**

**PROCONN**  
TECHNOLOGY CO., LTD.



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2.ALL RIGHTS RESERVED,PRODUCTS ARE COVERED BY PATENTS AND/OR PATENTS PENDING.

GENERAL TOLERANCE	
X $\pm$ 0.40	X $\pm$ 5°
X $\pm$ 0.30	X $\pm$ 2°
.XX $\pm$ 0.20	.XX $\pm$ 1°
.XXX $\pm$ 0.10	.XXX $\pm$ 0.5°

CUSTOMER DRAWING

APPROVAL: Leo

CHECKED: Leo

DRAWN: Jacky

UNIT: mm

SCALE: NONE

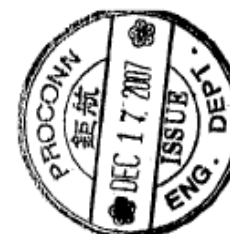
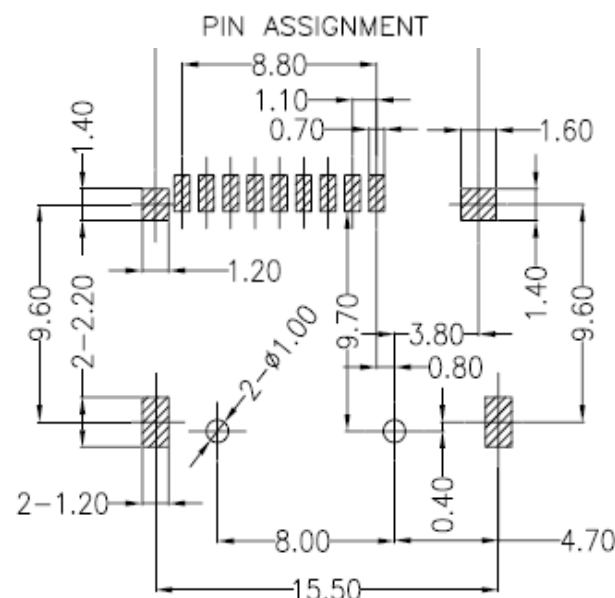
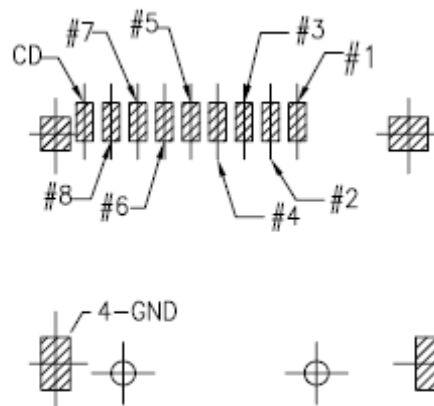
SHEET: 1 / 2

REV: Xe

QP-04-33-B

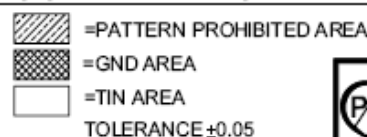
機密文件

REV.	MODIFICATION	DRAWN	APPROVED
Xe	EC120207	JACKY	LEO



Pin NO.	Description
09	Micro SD-CD
08	Micro-SD_DAT1
07	Micro-SD_DAT0
06	Micro-SD_VSS
05	Micro-SD_CLK
04	Micro-SD_VDD
03	Micro-SD_CMD
02	Micro-SD_CD/DAT3
01	Micro-SD_DAT2

# RECOMMEND P.C.B LAYOUT



DOC.CONTROL  
PROCONN



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2. ALL RIGHTS RESERVED, PRODUCTS ARE COVERED BY PATENTS AND/OR PATENTS PENDING.

PROCONN  
TECHNOLOGY CO., LTD.

## GENERAL TOLERANCE

$X \pm 0.40$	$X^\circ \pm 5^\circ$
$X \pm 0.30$	$X^\circ \pm 2^\circ$
$.XX \pm 0.20$	$.XX^\circ \pm 1^\circ$
$.XXX \pm 0.10$	$.XXX^\circ \pm 0.5^\circ$

## CUSTOMER DRAWING

APPROVAL: Leo  
CHECKED: Leo

PART NO. MSPN09-A0-2X05

DRAWN: Jacky  
UNIT: mm

## Proconn Technology Co., Ltd.

TITLE: Micro-SD Push Normal Type (H=1.90mm)

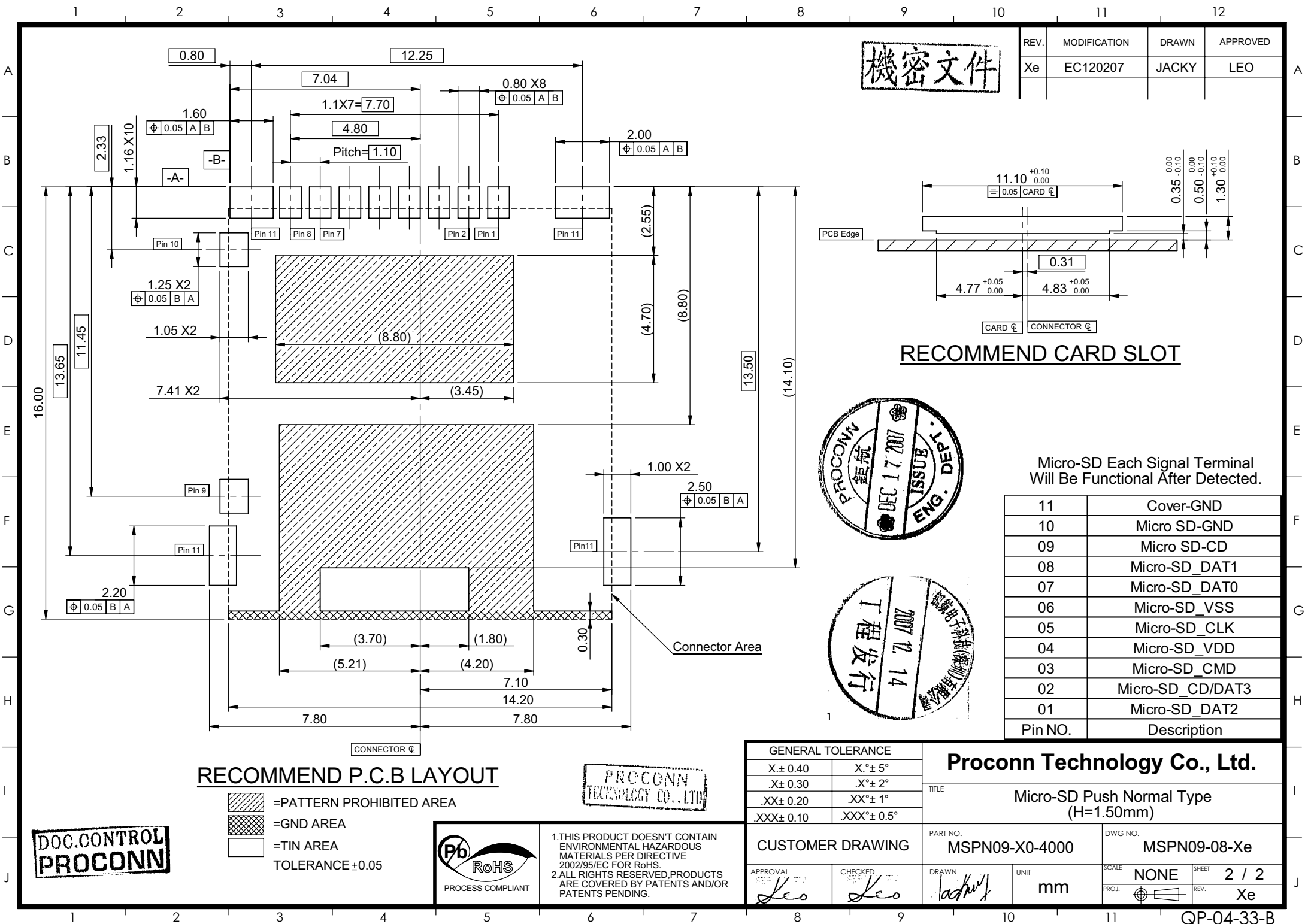
DWG NO. MSPN09-08-Xe

SCALE: NONE  
PROJ: 鉅航

SHEET: 2 / 2

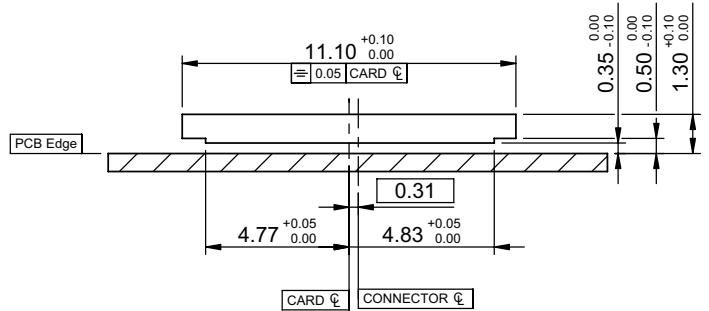
REV: Xe



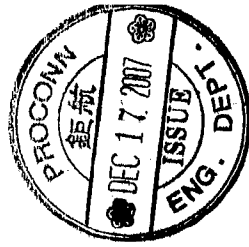


機密文件

REV.	MODIFICATION	DRAWN	APPROVED
Xe	EC120207	JACKY	LEO



RECOMMEND CARD SLOT



Micro-SD Each Signal Terminal Will Be Functional After Detected.

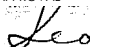
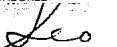
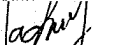

Pin NO.	Description
11	Cover-GND
10	Micro SD-GND
09	Micro SD-CD
08	Micro-SD_DAT1
07	Micro-SD_DAT0
06	Micro-SD_VSS
05	Micro-SD_CLK
04	Micro-SD_VDD
03	Micro-SD_CMD
02	Micro-SD_CD/DAT3
01	Micro-SD_DAT2

RECOMMEND P.C.B LAYOUT

- =PATTERN PROHIBITED AREA
- =GND AREA
- =TIN AREA
- TOLERANCE ±0.05



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GENERAL TOLERANCE		Proconn Technology Co., Ltd.			
X ± 0.40	X.° ± 5°				
.X ± 0.30	.X° ± 2°				
.XX ± 0.20	.XX° ± 1°				
.XXX ± 0.10	.XXX° ± 0.5°				
CUSTOMER DRAWING		PART NO. MSPN09-X0-4000		DWG NO. MSPN09-08-Xe	
APPROVAL 	CHECKED 	DRAWN 	UNIT mm	SCALE NONE	SHEET 2 / 2
				PROJ. 	REV. Xe









機密文件

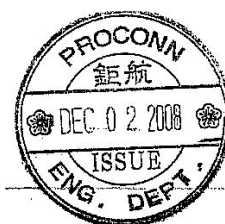
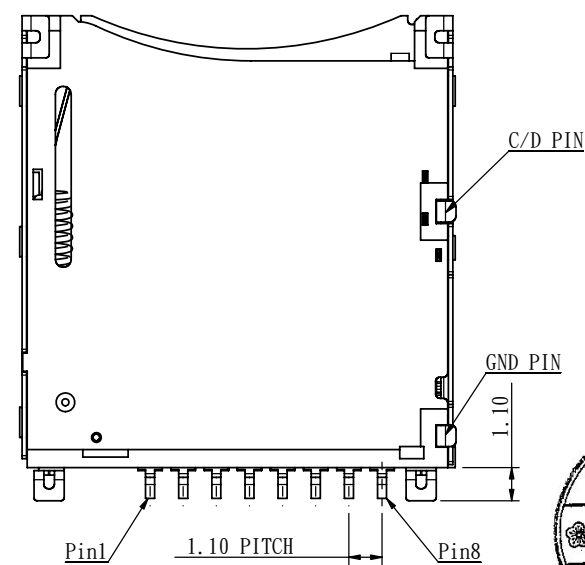
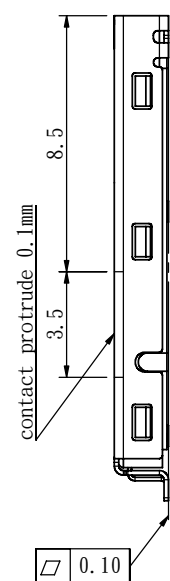
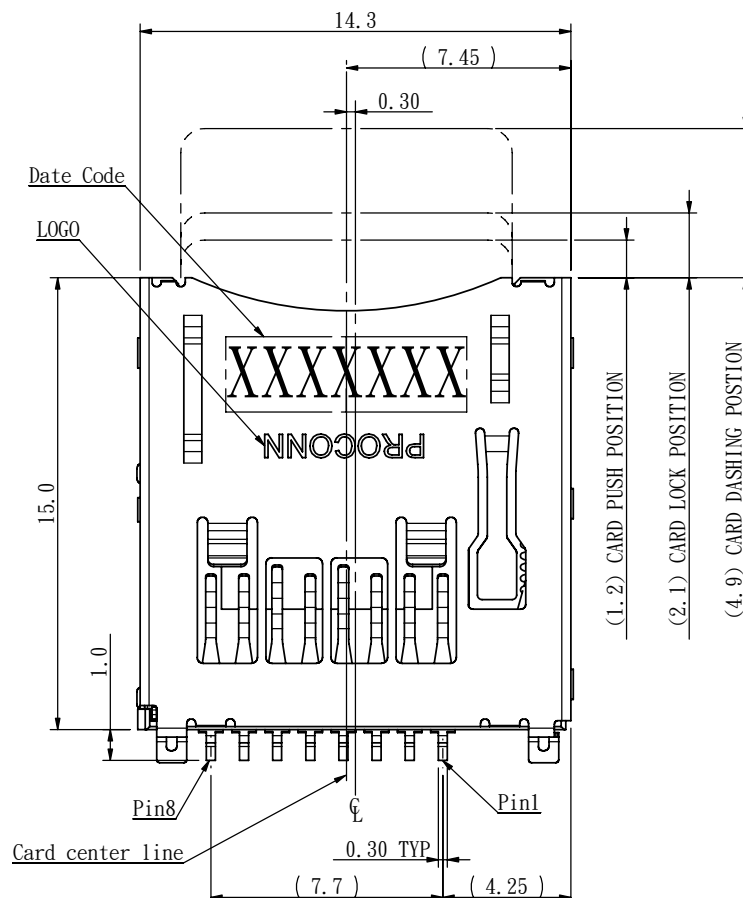
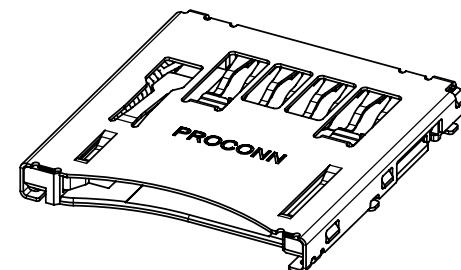
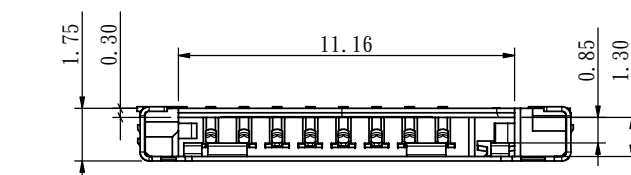
REV.	MODIFICATION	DRAWN	APPROVED
B	EN112708	朱成磊	Tony

NOTES :

1. MATERIAL :  
INSULATOR : HIGH TEMPERATURE THERMOPLASTIC  
FLAMMABILITY RATING : UL94V-0 COLOR : BLACK  
CONTACT : COPPER ALLOYS  
COVER : STAINLESS STEEL
2. CONTACT AREA PLATING : GOLD OVER NICKEL
3. MULTIMEDIA CARD COMPATIBLE
4. C/D: MICRO SD CARD CARD DETECT INDICATION
5. P/N: MSPR09-X0-5X00

0: WITH LOGO & Date Code  
2: WITHOUT LOGO & Date Code

A: GOLD FLASH  
D: 15  $\mu$  GOLD



CARD CIRCUIT :

WITH OUT CARD		CARD INSERTED	
C/D (#10)	GND (#09)	C/D (#10)	GND (#09)

GENERAL TOLERANCE	
X $\pm$ 0.40	X° $\pm$ 5°
.X $\pm$ 0.30	.X° $\pm$ 2°
.XX $\pm$ 0.20	.XX° $\pm$ 1°
.XXX $\pm$ 0.10	.XXX° $\pm$ 0.5°

Proconn Technology Co., Ltd.	
TITLE MICRO SD REV. PUSH-PUSH TYPE (H=1.8mm)	



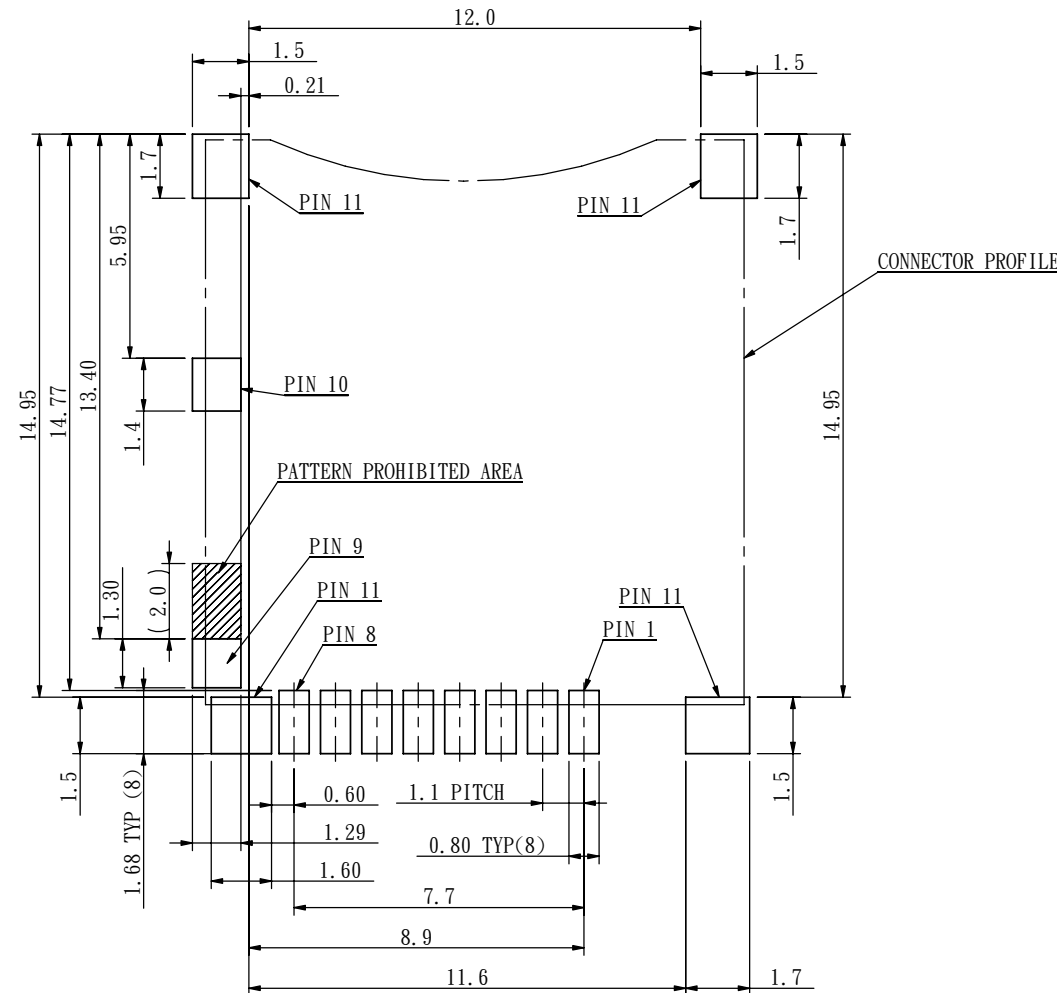
1. THIS PRODUCT DOESN'T CONTAIN ENVIRONMENTAL HAZARDOUS MATERIALS PER DIRECTIVE 2002/95/EC FOR RoHS.  
2. ALL RIGHTS RESERVED. PRODUCTS ARE COVERED BY PATENTS AND/OR PATENTS PENDING.

CUSTOMER DRAWING	
APPROVAL 	CHECKED 

PART NO. MSPR09-X0-5X00		DWG NO. MSPR09-15-B	
SCALE 4:1	SHEET 1/3	PROJ. 	REV. B

機密文件

REV.	MODIFICATION	DRAWN	APPROVED
B	EN112708	朱威磊	Tony



Pin 11	GND
Pin 10	C/D PIN
Pin 9	GND
Pin 8	DAT1
Pin 7	DAT0
Pin 6	VSS
Pin 5	CLK
Pin 4	VDD
Pin 3	CMD
Pin 2	DAT3
Pin 1	DAT2
Pin No.	Description



RECOMMENDED PCB LAYOUT  
GENERAL TOLERANCE:  $\pm 0.05\text{mm}$

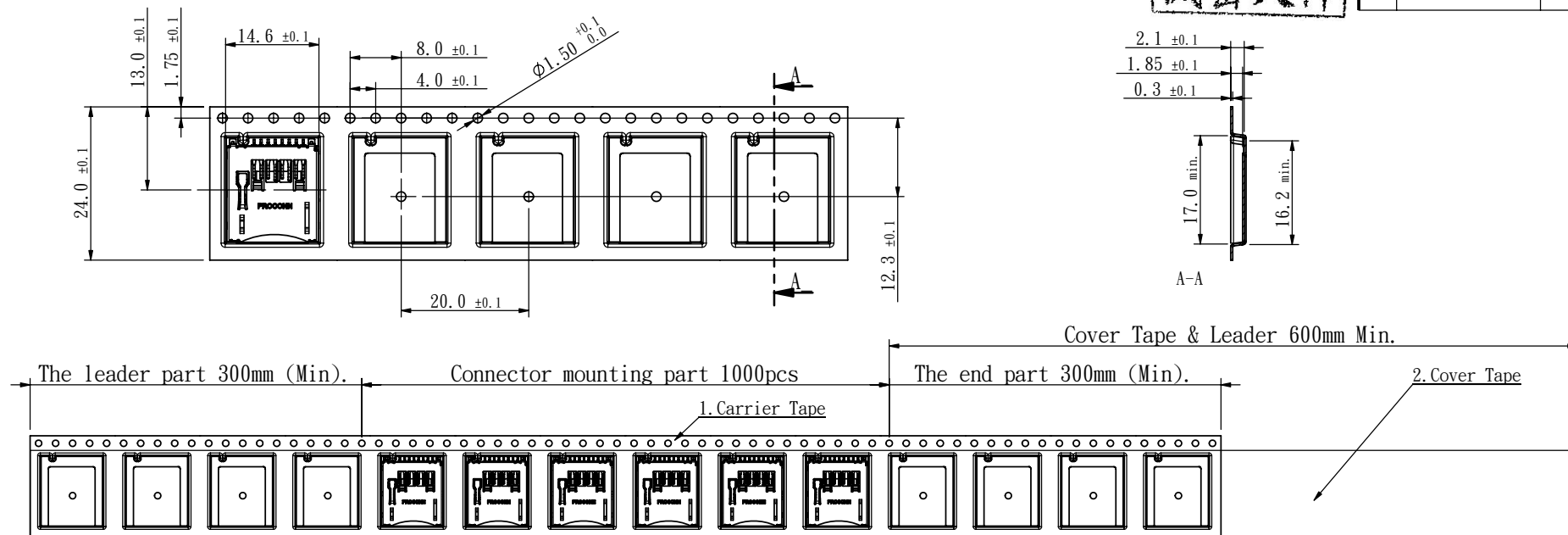
Proconn Technology Co., Ltd.

GENERAL TOLERANCE		Proconn Technology Co., Ltd.	
$X \pm 0.40$	$X^\circ \pm 5^\circ$		
$.X \pm 0.30$	$.X^\circ \pm 2^\circ$		
$.XX \pm 0.20$	$.XX^\circ \pm 1^\circ$		
$.XXX \pm 0.10$	$.XXX^\circ \pm 0.5^\circ$	TITLE	
CUSTOMER DRAWING		MICRO SD REV. PUSH-PUSH TYPE (H=1.8mm)	
		PART NO. MSPR09-X0-5X00	
APPROVAL	CHECKED	DRAWN	UNIT
Tony	朱威磊	朱威磊	mm
		DWG NO. MSPR09-15-B	
		SCALE	SHEET
		4:1	2 / 3
		PROJ.	REV.
			B

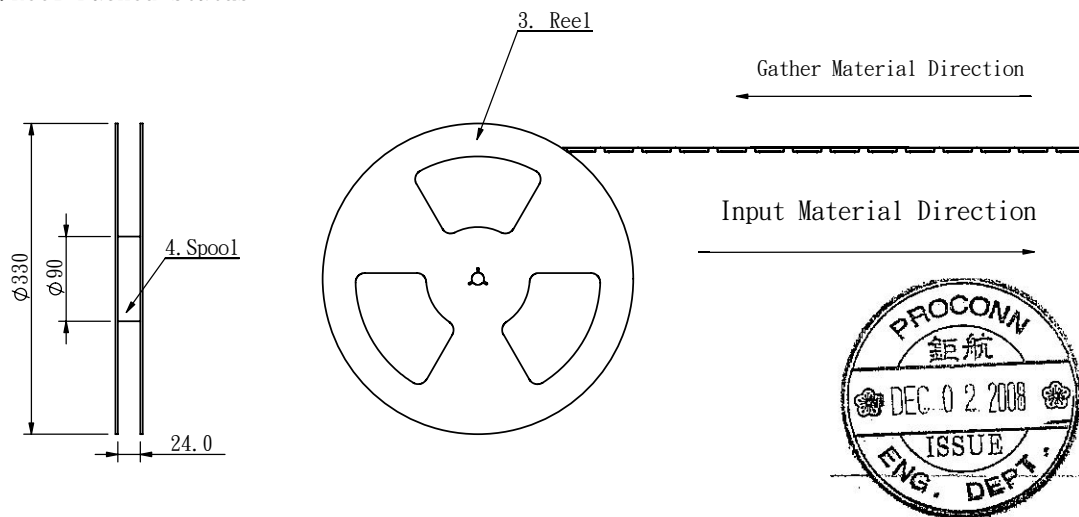


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## 1. Tape Packed Status



## 2. Reel Packed Status



PACKT-00-0086

Code	Name	Part No.	Spec(mm)	Notes
1	Carrier Tape	PACKS-02-R070	W=24	Material:PS Color:Black
2	Cover Tape	PACKS-30-V324	W=21.3	Material:PE Color:Transparent
3	Reel	PACKL-03-0010	$\phi 330$	Material:PS Color:Blue
4	Spool	PACKL-03-R424	$\phi 100$	Material:PS Color:Blue

## GENERAL TOLERANCE

X $\pm$ 0.40	X. $^{\circ}$ $\pm$ 5 $^{\circ}$
.X $\pm$ 0.30	.X. $^{\circ}$ $\pm$ 2 $^{\circ}$
.XX $\pm$ 0.20	.XX. $^{\circ}$ $\pm$ 1 $^{\circ}$
.XXX $\pm$ 0.10	.XXX. $^{\circ}$ $\pm$ 0.5 $^{\circ}$

Proconn Technology Co., Ltd.

TITLE  
MICRO SD REV. PUSH-PUSH TYPE (H=1.8mm)

## CUSTOMER DRAWING

APPROVAL

CHECKED

PART NO.

MSPR09-X0-5X00

DWG NO.

MSPR09-15-B

DRAWN

UNIT

mm

SCALE

1:1

SHEET

3 / 3

PROJ.

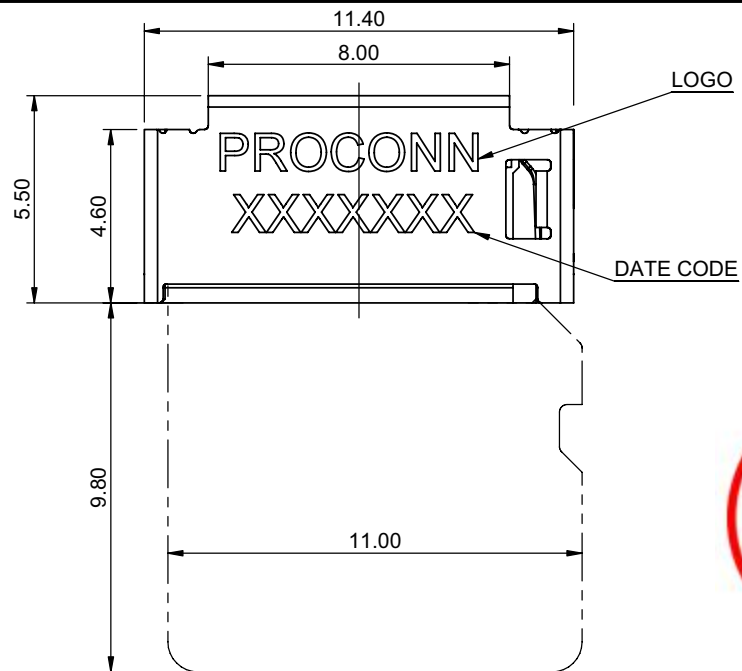
REV.

B



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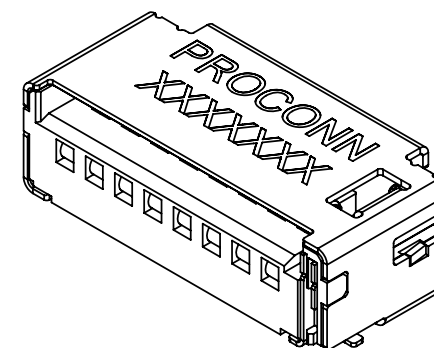
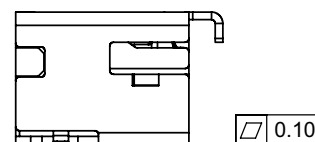
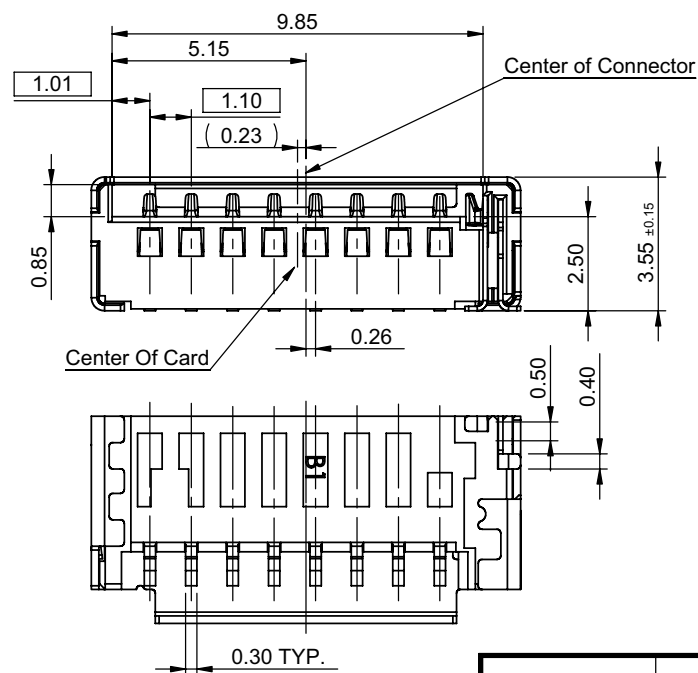




- NOTES :
1. Material :  
Housing : High temperature thermoplastic, UL94-V0.  
Color : Black  
Micro-SD Terminal : Copper Alloy.  
Cover : Stainless Steel.  
C/D Pin : Copper Alloy.
  2. Finish :  
Terminal : Underplate : Ni over all.  
Contact area : Au over Ni plate.  
Solder tail : Lead free over Ni plate.  
Cover : Underplate : Ni over all.  
Solder tail : Au over Ni plate.
  3. Coplanarity Must Be Within 0.10 Max.
  4. C/D : Card Detect Switch.
  5. Part no : MSSN09-X0-4X00

PLATING:  
A : GOLD FLASH.  
F : 30  $\mu$ " GOLD.

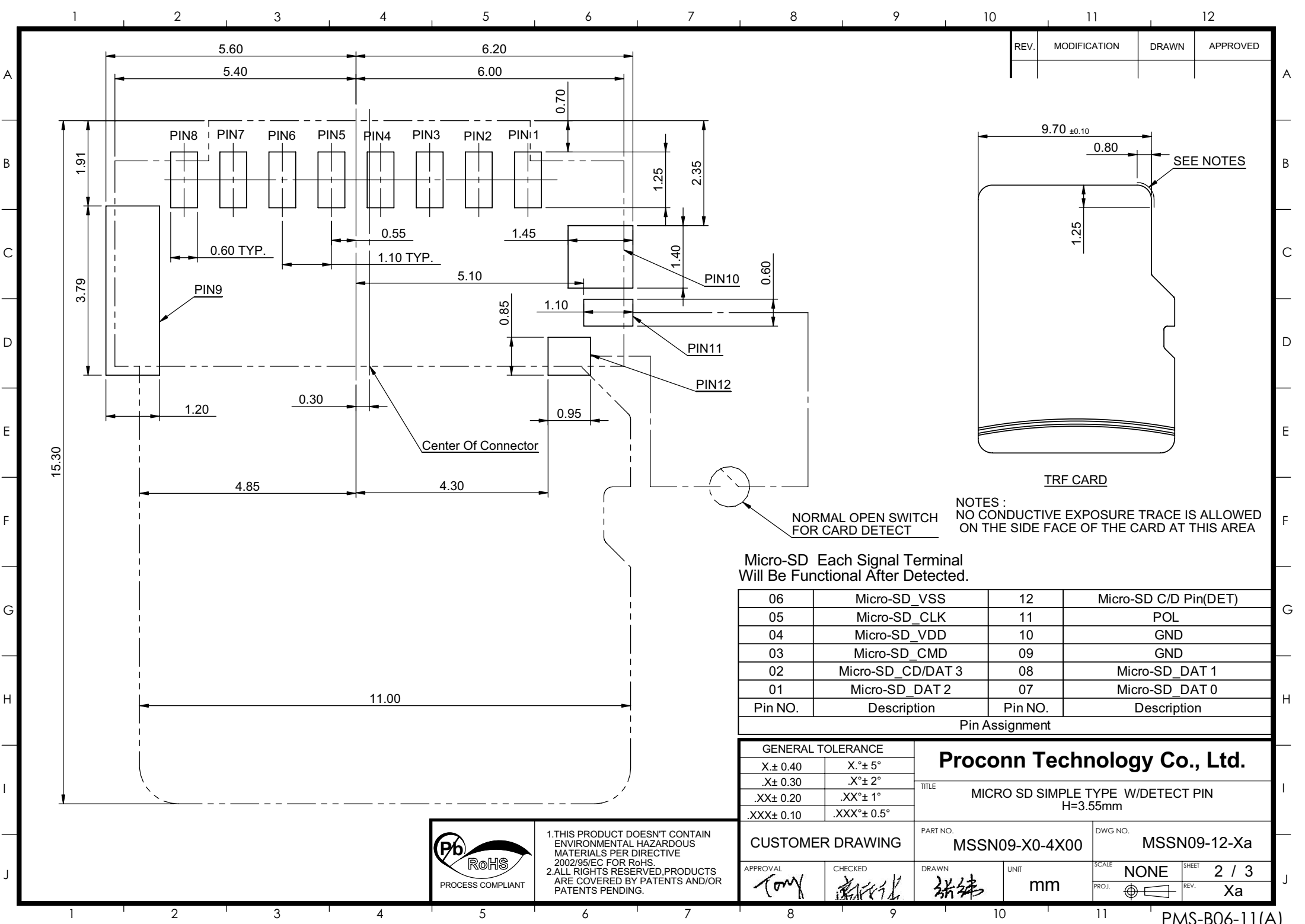
LOGO :  
0 : WITH LOGO.  
1 : W/O LOGO.



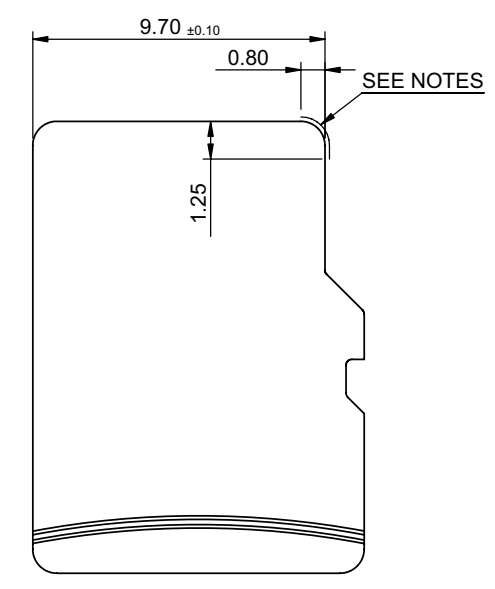
GENERAL TOLERANCE		Proconn Technology Co., Ltd.	
X $\pm$ 0.40	X° $\pm$ 5°		
.X $\pm$ 0.30	.X° $\pm$ 2°		
.XX $\pm$ 0.20	.XX° $\pm$ 1°		
.XXX $\pm$ 0.10	.XXX° $\pm$ 0.5°		
CUSTOMER DRAWING		TITLE	MICRO SD SIMPLE TYPE W/DETECT PIN H=3.55mm
APPROVAL	CHECKED	PART NO.	MSSN09-X0-4X00
PROJ.	SCALE	DWG NO.	MSSN09-12-Xa
	NONE	SHEET	1 / 3
		REV.	Xa



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REV.	MODIFICATION	DRAWN	APPROVED



TRF CARD

NOTES :  
NO CONDUCTIVE EXPOSURE TRACE IS ALLOWED  
ON THE SIDE FACE OF THE CARD AT THIS AREA

Micro-SD Each Signal Terminal  
Will Be Functional After Detected.

06	Micro-SD_VSS	12	Micro-SD C/D Pin(DET)
05	Micro-SD_CLK	11	POL
04	Micro-SD_VDD	10	GND
03	Micro-SD_CMD	09	GND
02	Micro-SD_CD/DAT 3	08	Micro-SD_DAT 1
01	Micro-SD_DAT 2	07	Micro-SD_DAT 0
Pin NO.	Description	Pin NO.	Description

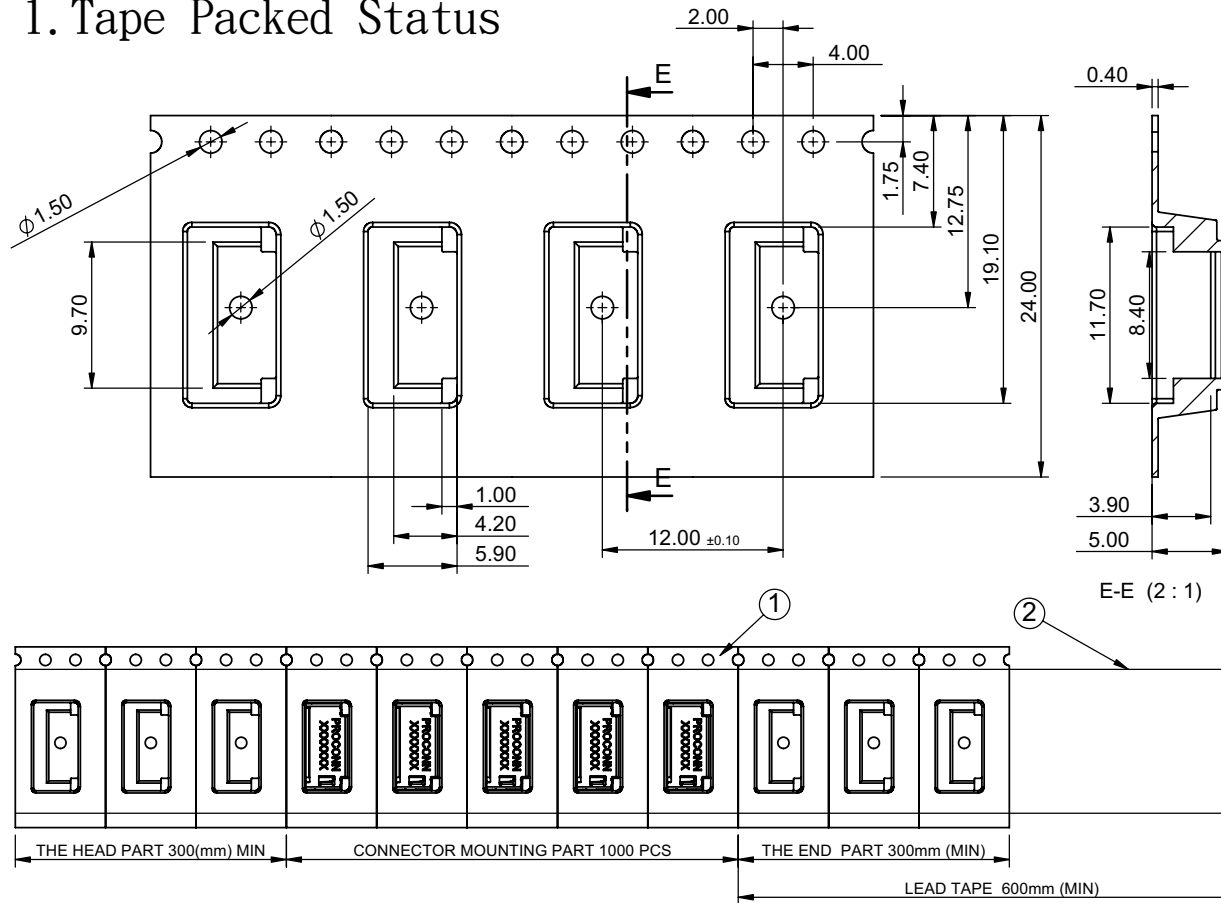
Pin Assignment

GENERAL TOLERANCE		Proconn Technology Co., Ltd.	
X ± 0.40	X° ± 5°		
.XX ± 0.30	.X° ± 2°		
.XX ± 0.20	.XX° ± 1°		
.XXX ± 0.10	.XXX° ± 0.5°	TITLE MICRO SD SIMPLE TYPE W/DETECT PIN H=3.55mm	
CUSTOMER DRAWING		PART NO. MSSN09-X0-4X00	DWG NO. MSSN09-12-Xa
APPROVAL <i>Tony</i>	CHECKED <i>张经纬</i>	DRAWN <i>张经纬</i>	UNIT mm
		SCALE NONE	SHEET 2 / 3
		PROJ. 	REV. Xa

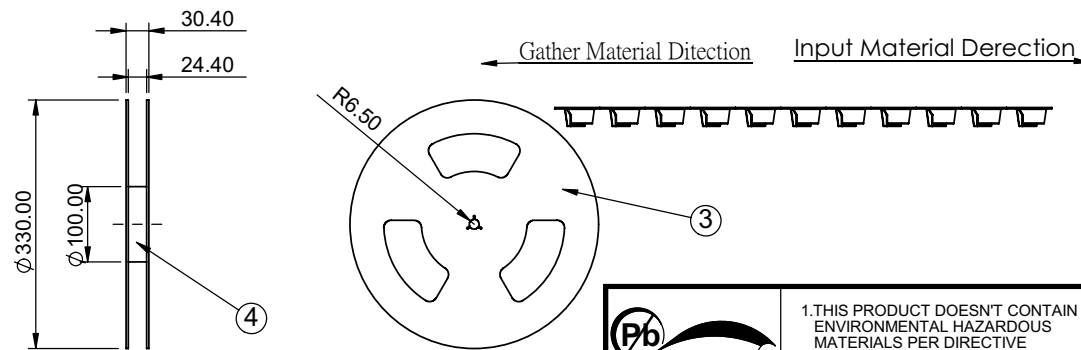


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MATERIALS PER DIRECTIVE  
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PATENTS PENDING.

## 1. Tape Packed Status

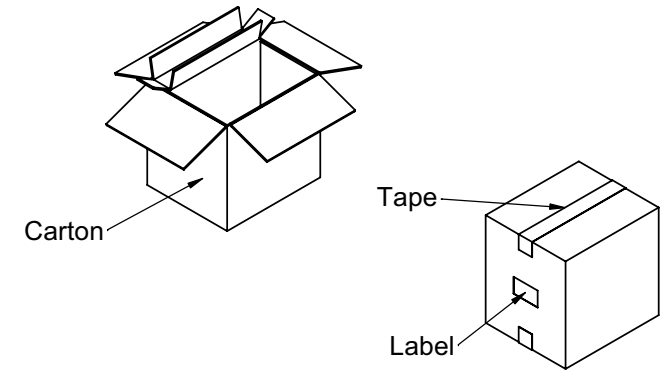


## 2. Reel Packed Status



## 3. Carton Containing 8 Reel (See Chart A)

	Packing Quality	
	Reel	Carton
A	1000	8000



ITEM	NAME	PANT NO.	SPEC	REMARK
1	Carrier Tape	PACKS-02-R071	W=24mm	Material:PS.Color:Black
2	Cover Tape	PACKS-30-V324	W=21.5mm	Material:PE.Color:Limpid
3	Reel Fin	PACKL-03-0010	Φ330mm	Material:PS.Color:Blue
4	Reel Spin	PACKL-03-R424	Φ100mm	Material:PS.Color:Blue

### GENERAL TOLERANCE

X±0.40	X.°±5°
.X±0.30	.X°±2°
.XX±0.20	.XX°±1°
.XXX±0.10	.XXX°±0.5°

### Proconn Technology Co., Ltd.

TITLE  
MICRO SD SIMPLE TYPE W/DETECT PIN  
H=3.55mm

### CUSTOMER DRAWING

APPROVAL  
Tom

CHECKED  
张纬

PART NO.  
MSSN09-X0-4X00

DWG NO.  
MSSN09-12-Xa

SCALE  
NONE

SHEET  
3 / 3

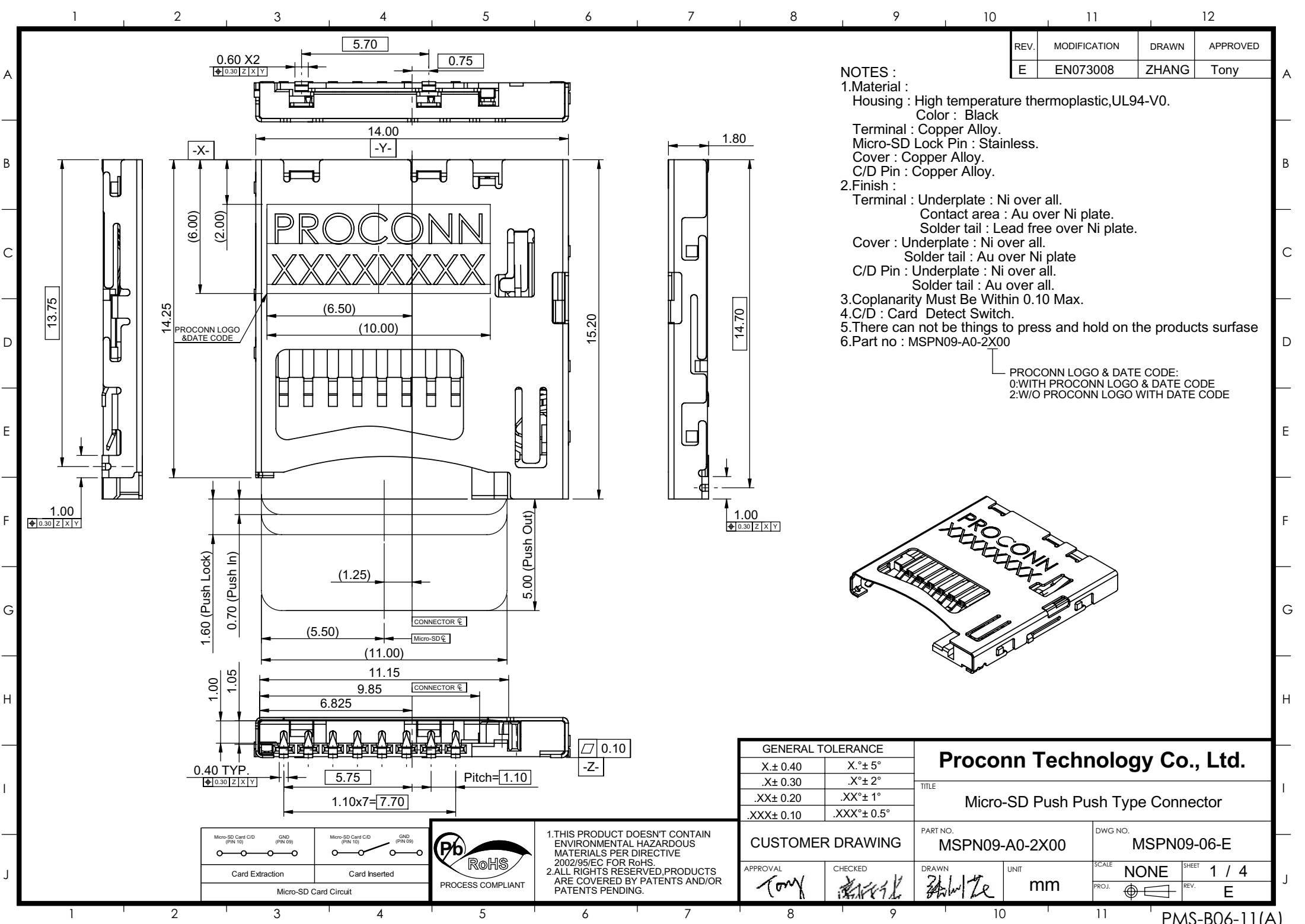
PROJ.  
Xa

REV.  
Xa



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2.ALL RIGHTS RESERVED,PRODUCTS ARE COVERED BY PATENTS AND/OR PATENTS PENDING.

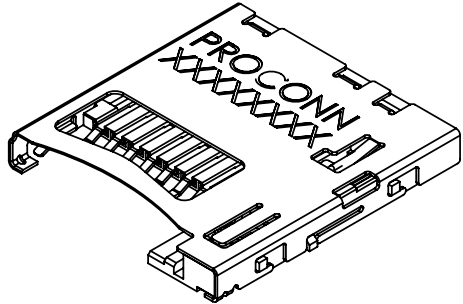








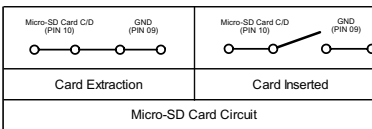
REV.	MODIFICATION	DRAWN	APPROVED
E	EN073008	ZHANG	Tony

- NOTES :
- 1.Material :
    - Housing : High temperature thermoplastic,UL94-V0.
    - Color : Black
    - Terminal : Copper Alloy.
    - Micro-SD Lock Pin : Stainless.
    - Cover : Copper Alloy.
    - C/D Pin : Copper Alloy.
  - 2.Finish :
    - Terminal : Underplate : Ni over all.
    - Contact area : Au over Ni plate.
    - Solder tail : Lead free over Ni plate.
    - Cover : Underplate : Ni over all.
    - Solder tail : Au over Ni plate
    - C/D Pin : Underplate : Ni over all.
    - Solder tail : Au over all.
  - 3.Coplanarity Must Be Within 0.10 Max.
  - 4.C/D : Card Detect Switch.
  - 5.There can not be things to press and hold on the products surfase
  - 6.Part no : MSPN09-A0-2X00

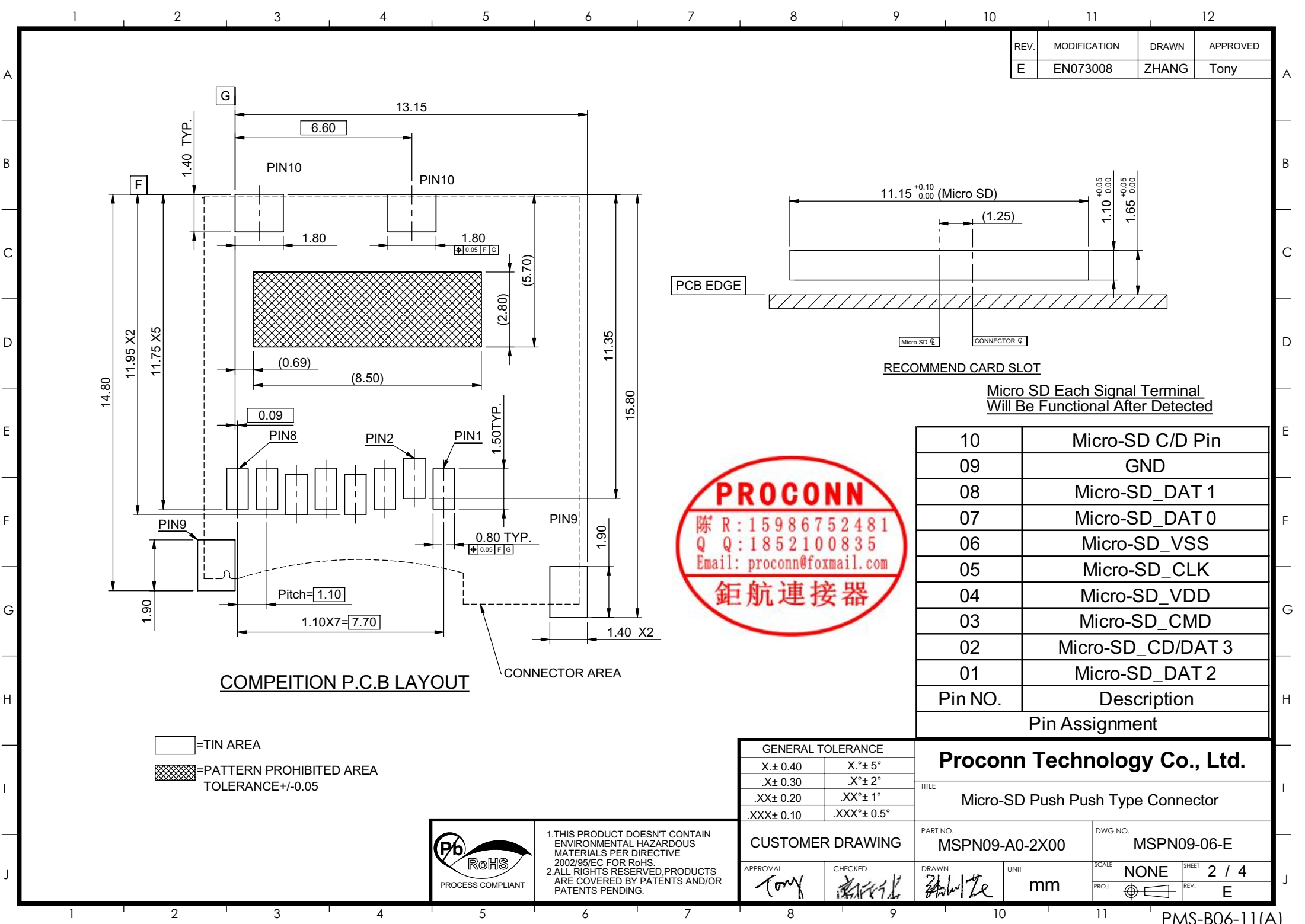
PROCONN LOGO & DATE CODE:  
0:WITH PROCONN LOGO & DATE CODE  
2:W/O PROCONN LOGO WITH DATE CODE



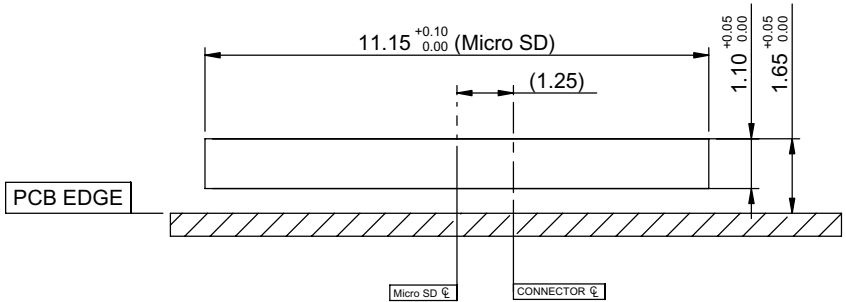
GENERAL TOLERANCE		Proconn Technology Co., Ltd.			
X.± 0.40	X.°± 5°				
.X± 0.30	.X°± 2°				
.XX± 0.20	.XX°± 1°				
.XXX± 0.10	.XXX°± 0.5°	TITLE			
		Micro-SD Push Push Type Connector			
CUSTOMER DRAWING		PART NO.		DWG NO.	
		MSPN09-A0-2X00		MSPN09-06-E	
APPROVAL	CHECKED	DRAWN	UNIT	SCALE	SHEET
			mm	NONE	1 / 4
				PROJ.	REV.
					E



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REV.	MODIFICATION	DRAWN	APPROVED
E	EN073008	ZHANG	Tony



RECOMMEND CARD SLOT

Micro SD Each Signal Terminal  
Will Be Functional After Detected



10	Micro-SD C/D Pin
09	GND
08	Micro-SD_DAT 1
07	Micro-SD_DAT 0
06	Micro-SD_VSS
05	Micro-SD_CLK
04	Micro-SD_VDD
03	Micro-SD_CMD
02	Micro-SD_CD/DAT 3
01	Micro-SD_DAT 2
Pin NO.	Description
Pin Assignment	

=TIN AREA  
 =PATTERN PROHIBITED AREA  
TOLERANCE+/-0.05



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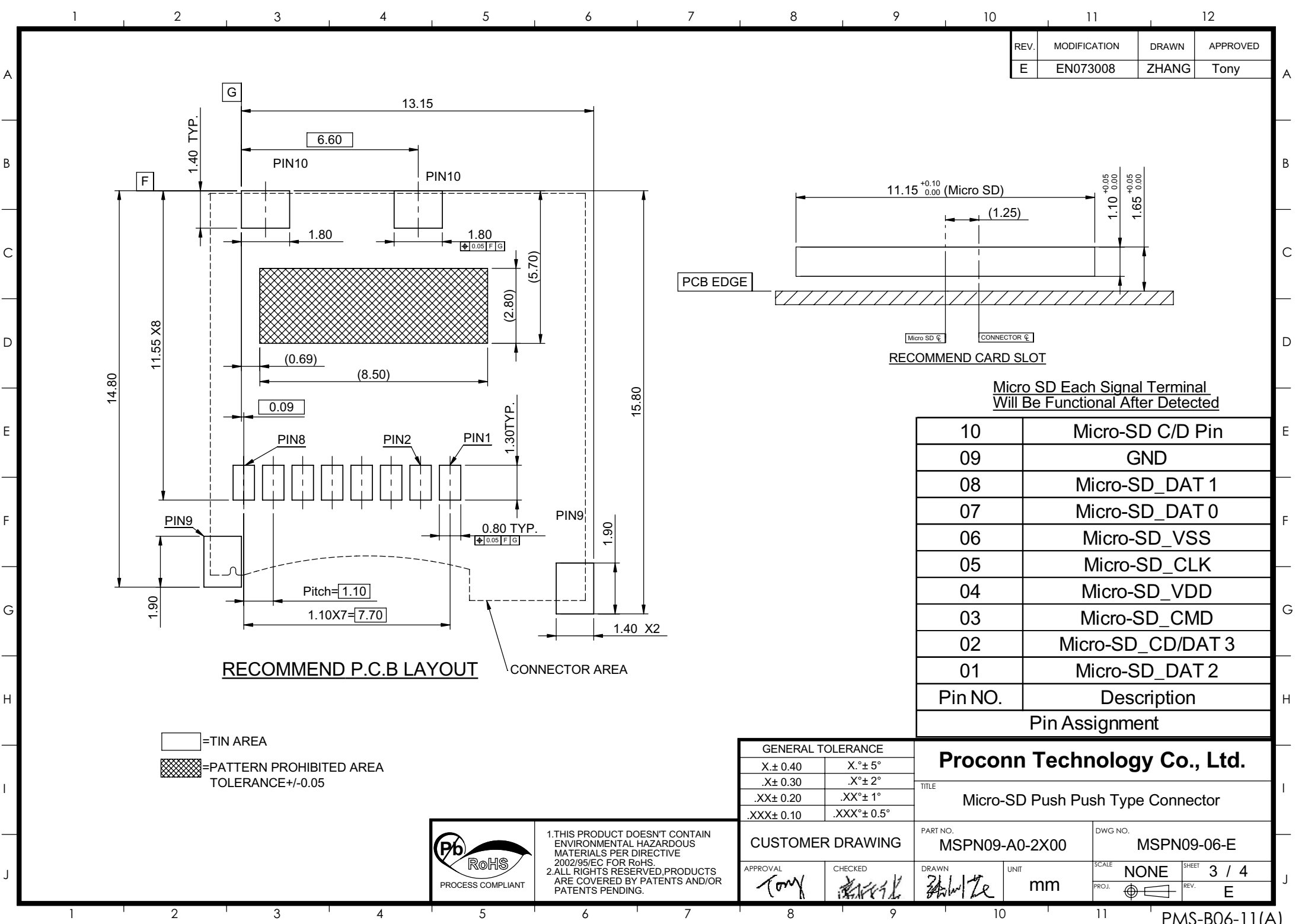
GENERAL TOLERANCE	
X±0.40	X.°±5°
.X±0.30	.X°±2°
.XX±0.20	.XX°±1°
.XXX±0.10	.XXX°±0.5°

CUSTOMER DRAWING

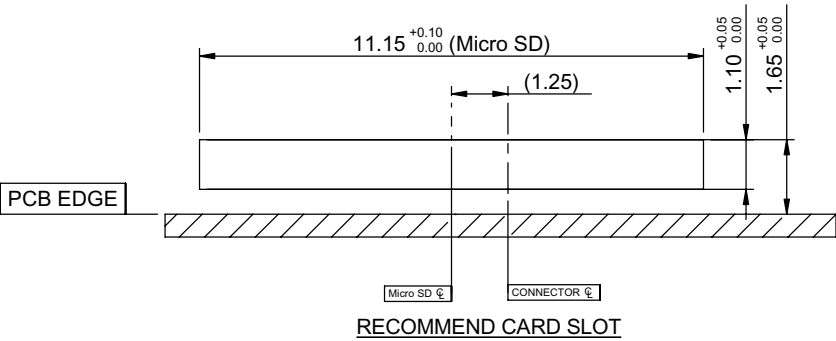
APPROVAL	CHECKED

Proconn Technology Co., Ltd.	
TITLE Micro-SD Push Push Type Connector	

PART NO. MSPN09-A0-2X00		DWG NO. MSPN09-06-E	
SCALE	NONE	SHEET	2 / 4
PROJ.		REV.	E



REV.	MODIFICATION	DRAWN	APPROVED
E	EN073008	ZHANG	Tony



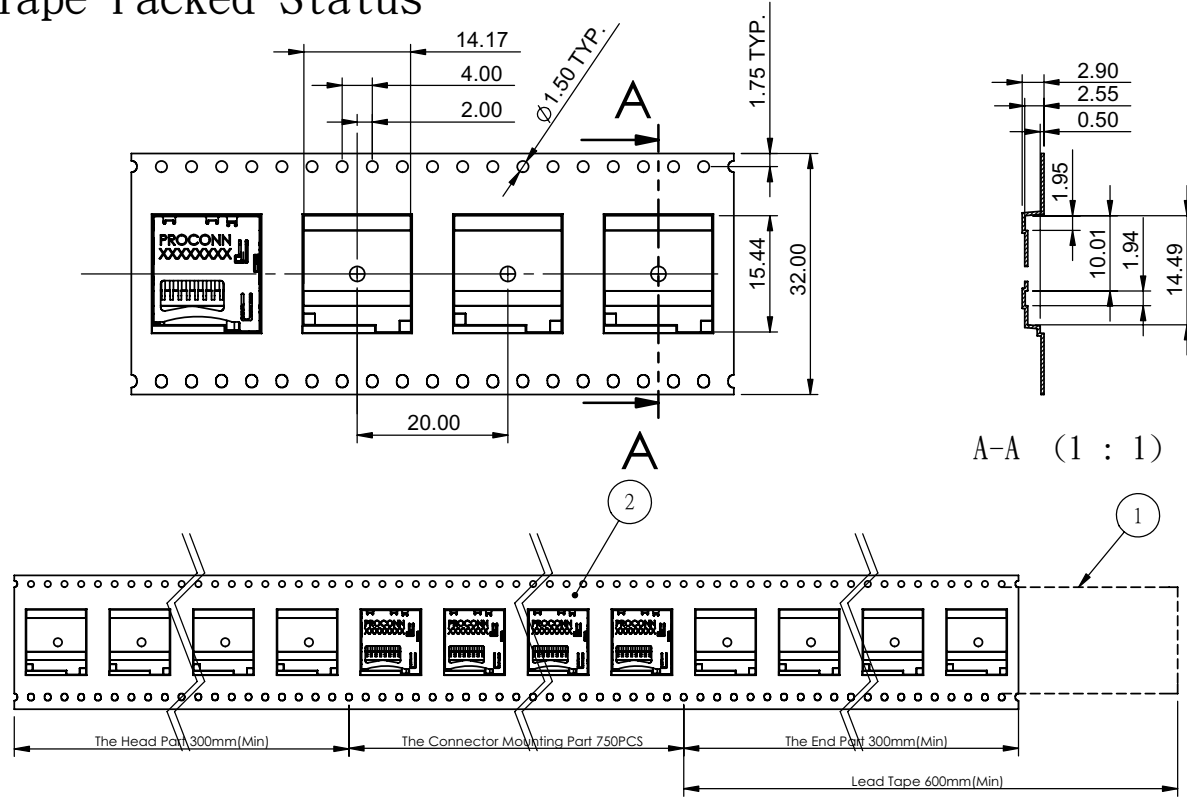
10	Micro-SD C/D Pin
09	GND
08	Micro-SD_DAT 1
07	Micro-SD_DAT 0
06	Micro-SD_VSS
05	Micro-SD_CLK
04	Micro-SD_VDD
03	Micro-SD_CMD
02	Micro-SD_CD/DAT 3
01	Micro-SD_DAT 2
Pin NO.	Description
Pin Assignment	

GENERAL TOLERANCE		Proconn Technology Co., Ltd.	
X $\pm$ 0.40	X $^{\circ}$ $\pm$ 5 $^{\circ}$		
.XX $\pm$ 0.30	.X $^{\circ}$ $\pm$ 2 $^{\circ}$		
.XX $\pm$ 0.20	.XX $^{\circ}$ $\pm$ 1 $^{\circ}$		
.XXX $\pm$ 0.10	.XXX $^{\circ}$ $\pm$ 0.5 $^{\circ}$	TITLE Micro-SD Push Push Type Connector	
CUSTOMER DRAWING		PART NO. MSPN09-A0-2X00	DWG NO. MSPN09-06-E
APPROVAL Tony	CHECKED 张利飞	DRAWN 张利飞	UNIT mm
		SCALE NONE	SHEET 3 / 4
		PROJ. 	REV. E

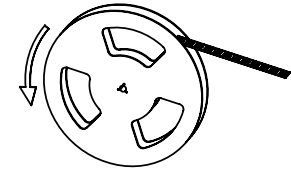


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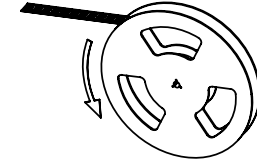
## 1. Tape Packed Status



REV.	MODIFICATION	DRAWN	APPROVED
E	EN073008	ZHANG	Tony

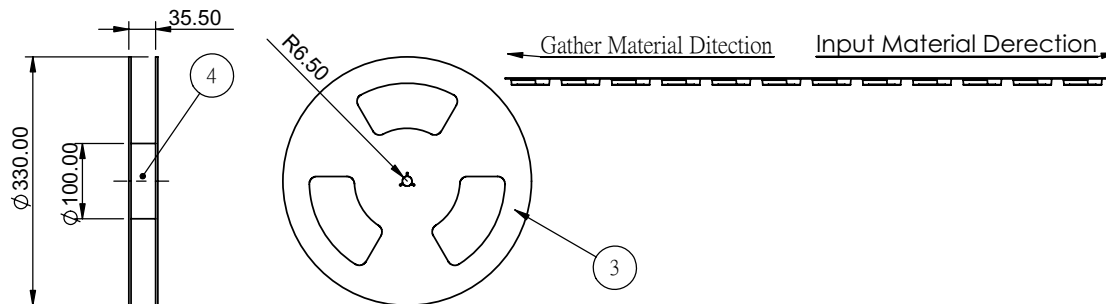


LOADING DERECTION



RELEASING DERECTION

## 2. Reel Packed Status



PACKT-00-0047

Code	Name	Part No.	Spec. (mm)	Notes
4	Reel Spin	PACKL-03-R432	Ø100	Material: PS; Color: Blue
3	Reel Fin	PACKL-03-0010	Ø330	Material: PS; Color: Blue
2	Carrier Tape	PACKS-02-R030	W = 32	Material: PS; Color: Black
1	Cover Tape	PACKS-30-V032 PACKS-30-V132	W = 25.5	Material: PE; Color: Transparent

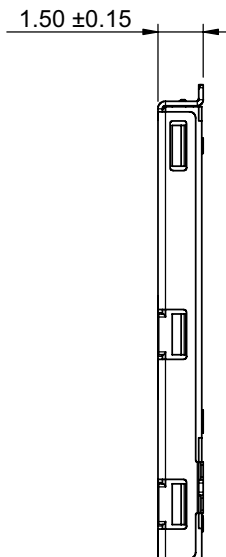
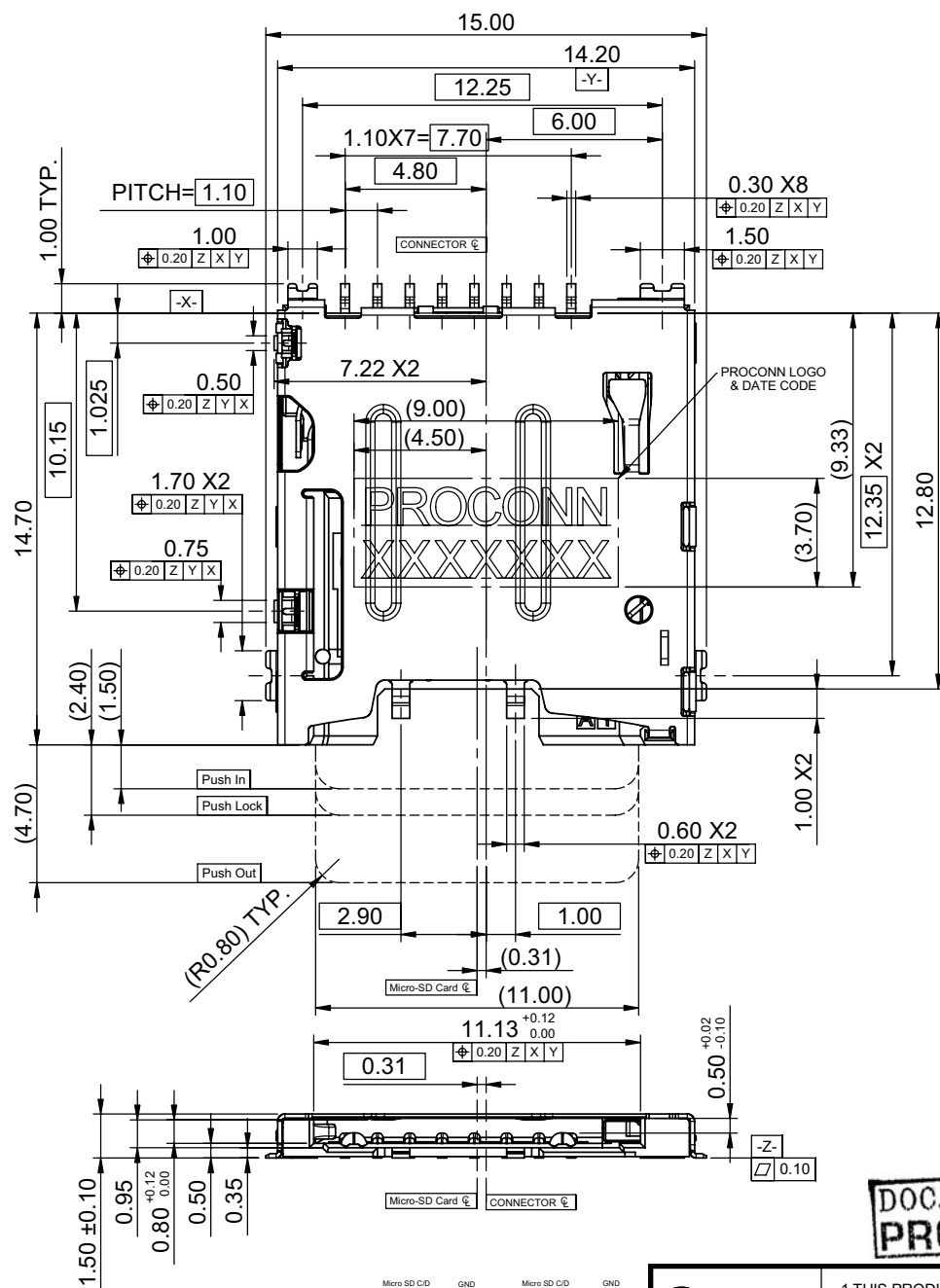
GENERAL TOLERANCE				Proconn Technology Co., Ltd.			
X ± 0.40	X ° ± 5°	X ± 0.30	X ° ± 2°				
.XX ± 0.20	.XX ° ± 1°	.XXX ± 0.10	.XXX ° ± 0.5°	TITLE Micro-SD Push Push Type Connector			
CUSTOMER DRAWING				PART NO. MSPN09-A0-2X00	DWG NO. MSPN09-06-E		
APPROVAL Tony	CHECKED [Signature]	DRAWN [Signature]	UNIT mm	SCALE NONE	SHEET 4 / 4	REV. E	



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機密文件

REV.	MODIFICATION	DRAWN	APPROVED
Xf	EC050108	Wuvenye	LEO



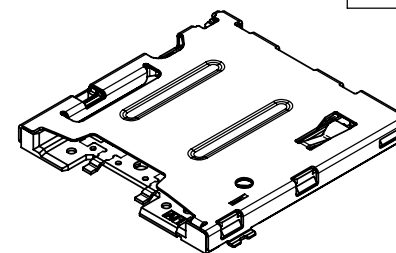
# NOTES :

- Material :  
Housing/Slide : High temperature thermoplastic,UL94-V0.  
Housing Color : Black/Slide Color : Ivory  
Micro-SD Terminal : Copper Alloy.  
Micro-SD C/D PIN & GND PIN : Copper Alloy.  
Micro-SD Lock Pin : Stainless.  
Cover : Stainless.  
Hook/Spring : Stainless.
- Finish :  
Terminal :  
Underplate : Ni over all.  
Solder tail : Lead Free over Ni plate.  
Contact Area : Au over Ni plate.  
C/D PIN & GND PIN :  
Underplate : Ni over all.  
Solder tail : Lead Free over Ni plate.  
Contact Area : Au over Ni plate.  
Cover :  
Underplate : Ni over all.  
Solder tail : Au over Ni plate.
- Solder tail Coplanarity Must Be Within 0.10 mm.
- C/D : Card Detect Switch.
- GND : Ground
- There can't be things to press and hold on the products surface
- Part no:MSPN10-X0-4000



PROCONN LOGO & DATE CODE:  
0:WITH PROCONN LOGO & DATE CODE


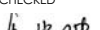


PLATING:  
A: GOLD FLASH  
D : 15µ" Gold

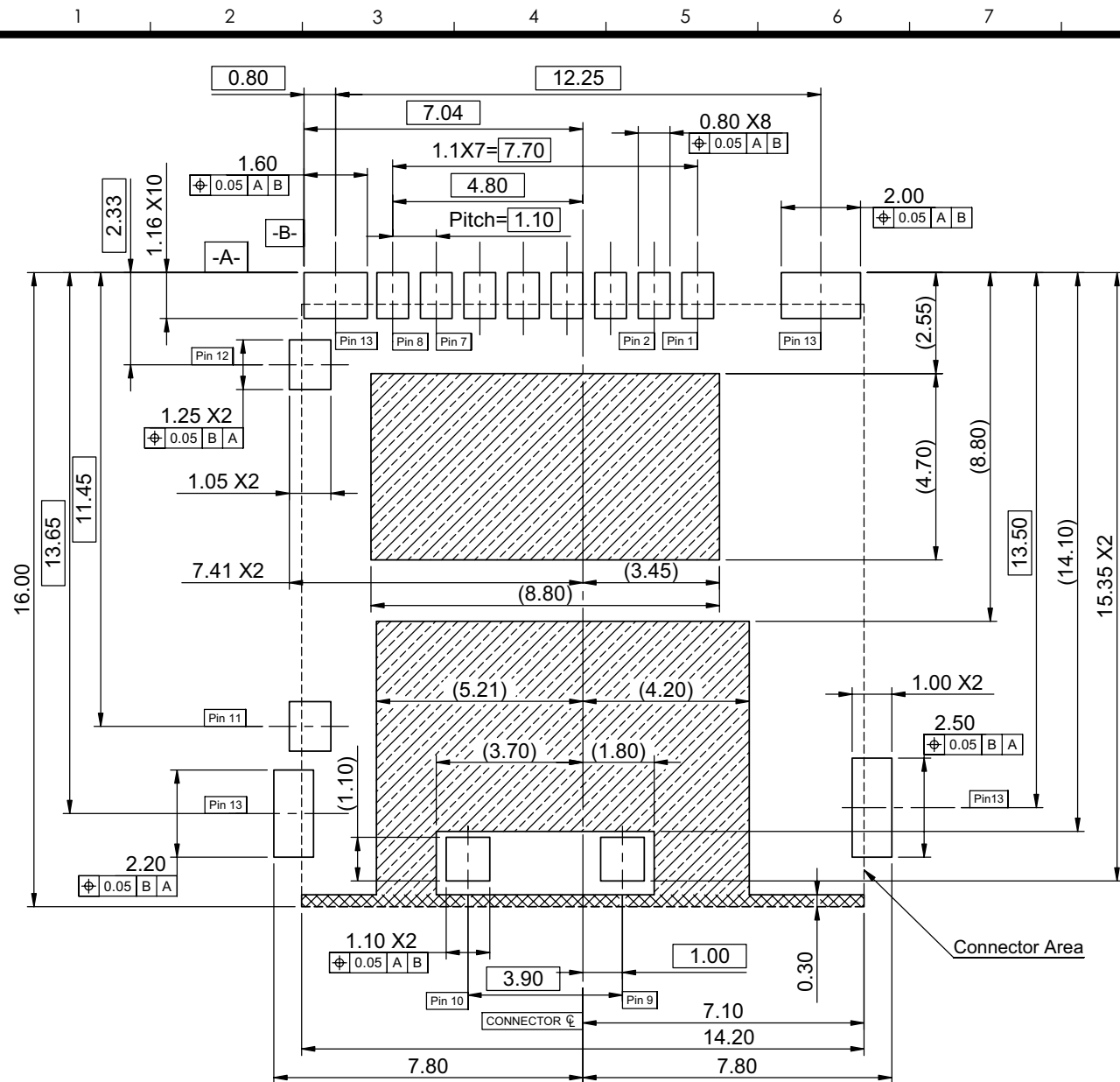


DOC.CONTROL  
PROCONN



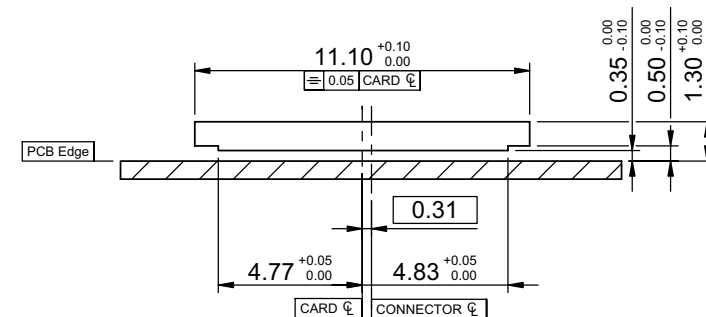
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GENERAL TOLERANCE		Proconn Technology Co., Ltd.			
X± 0.40	X.°± 5°				
.X± 0.30	.X°± 2°				
.XX± 0.20	.XX°± 1°				
.XXX± 0.10	.XXX°± 0.5°				
		TITLE			
		Micro-SD Push Normal Type (H=1.50mm)			
CUSTOMER DRAWING		PART NO.		DWG NO.	
		MSPN10-X0-4000		MSPN10-09-Xf	
APPROVAL	CHECKED	DRAWN	UNIT	SCALE	SHEET
			mm	NONE	1 / 3
				PROJ.	
					X f

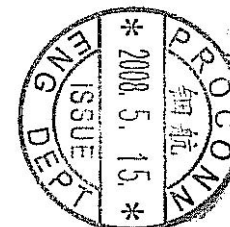


機密文件

REV.	MODIFICATION	DRAWN	APPROVED
Xf	EC010508	Wuwenye	LEO



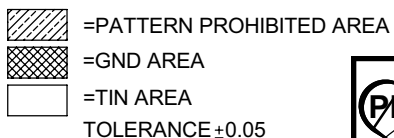
## RECOMMEND CARD SLOT



Micro-SD Each Signal Terminal  
Will Be Functional After Detected.

13	Cover-GND
12	Micro SD-GND
11	Micro SD-CD
10	Micro-SD ANT2
09	Micro-SD ANT1
08	Micro-SD_DAT1
07	Micro-SD_DAT0
06	Micro-SD_VSS
05	Micro-SD_CLK
04	Micro-SD_VDD
03	Micro-SD_CMD
02	Micro-SD_CD/DAT3
01	Micro-SD_DAT2
Pin NO.	Description
Pin Assignment	





## RECOMMEND P.C.B LAYOUT



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GENERAL TOLERANCE	
$X \pm 0.40$	$X^{\circ} \pm 5^{\circ}$
$.X \pm 0.30$	$.X^{\circ} \pm 2^{\circ}$
$.XX \pm 0.20$	$.XX^{\circ} \pm 1^{\circ}$
$.XXX \pm 0.10$	$.XXX^{\circ} \pm 0.5^{\circ}$

**Proconn Technology Co., Ltd.**

.X± 0.30		.X°± 2°		TITLE	Micro-SD Push Normal Type (H=1.50mm)				
.XX± 0.20		.XX°± 1°							
.XXX± 0.10		.XXX°± 0.5°							
CUSTOMER DRAWING				PART NO. MSPN10-X0-4000		DWG NO. MSPN10-09-Xf			
APPROVAL 		CHECKED 		DRAWN 		UNIT mm		SCALE NONE	SHEET 2 / 3
								PROJ. Xf	REV.

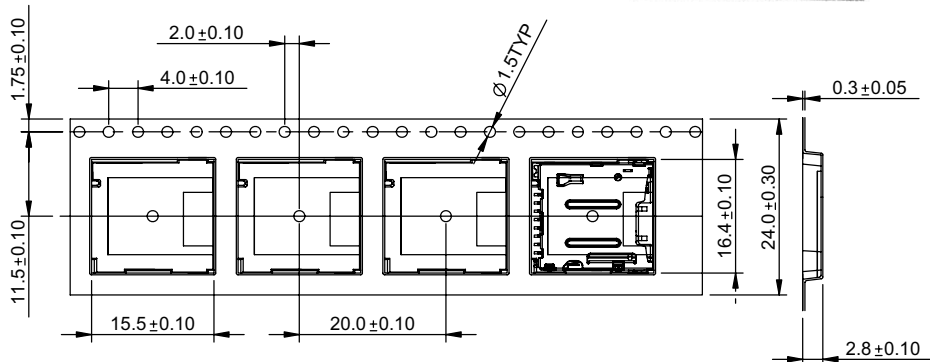
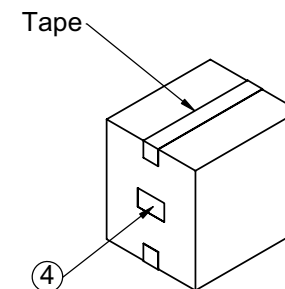
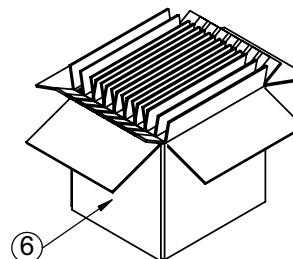
# 1.Tape Packed Status

機密文件

# 3.Carton Containing 8 Reel (See Chart A)

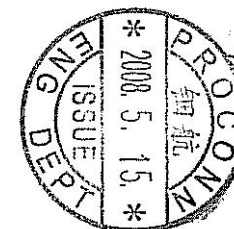
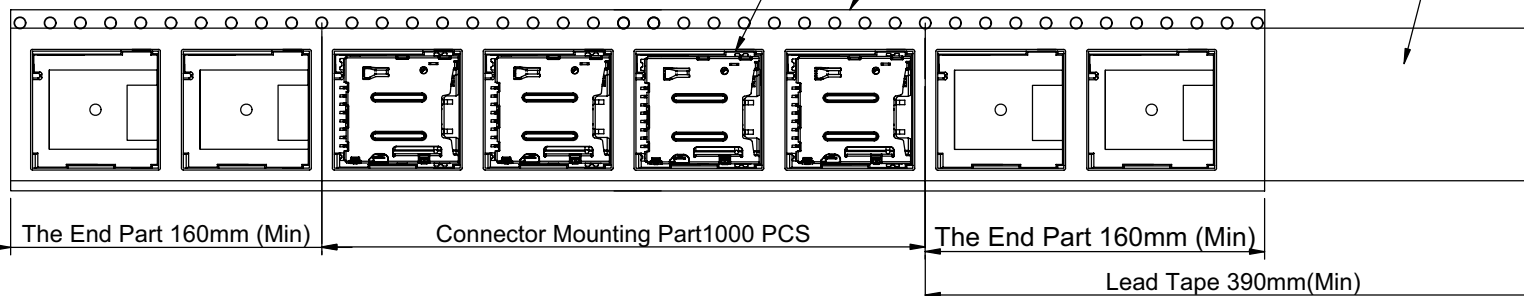
REV.	MODIFICATION	DRAWN	APPROVED
Xf	EC050108	Wuwenye	LEO

A	Packing Quality	
	Reel	Carton
	1000	8000

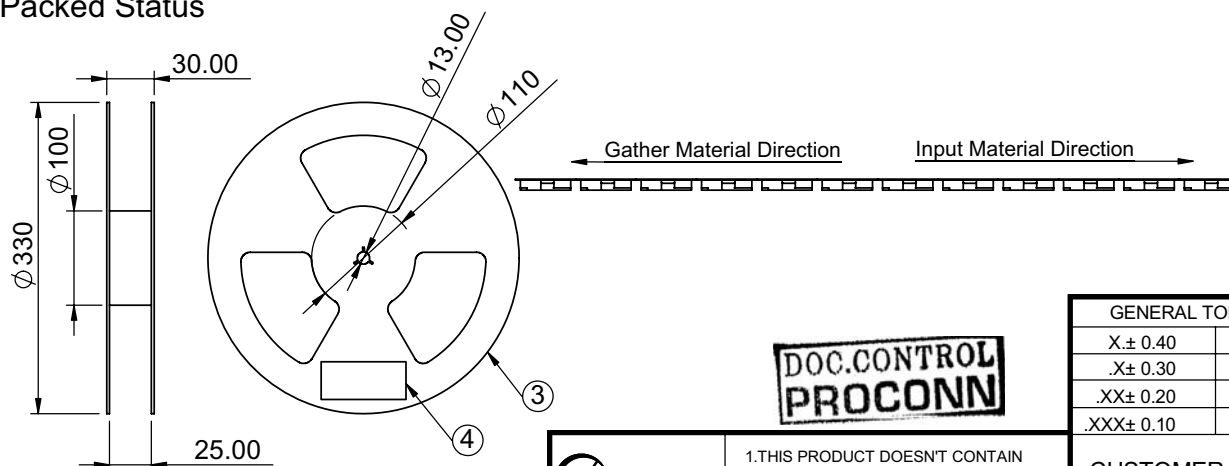


Gather Material Direction

Input Material Direction



# 2. Reel Packed Status



6	Carton	Paper
5	Connector	Other
4	Label	Paper
3	Reel	PS
2	Carrier Tape	PS
1	Cover Tape	PE
Numbers	Name	Material

DOC.CONTROL  
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GENERAL TOLERANCE	
X± 0.40	X°± 5°
.X± 0.30	.X°± 2°
.XX± 0.20	.XX°± 1°
.XXX± 0.10	.XXX°± 0.5°

CUSTOMER DRAWING

APPROVAL	CHECKED

Proconn Technology Co., Ltd.

TITLE Micro-SD Push Normal Type (H=1.50mm)

PART NO. MSPN10-X0-4000

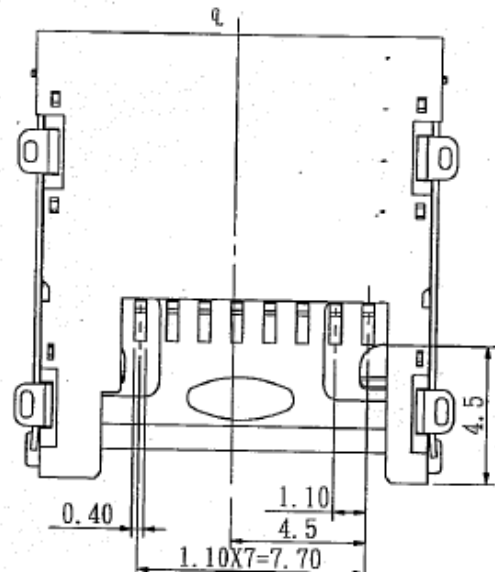
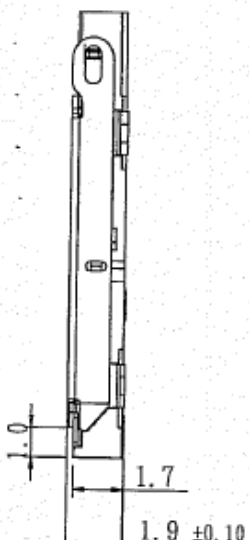
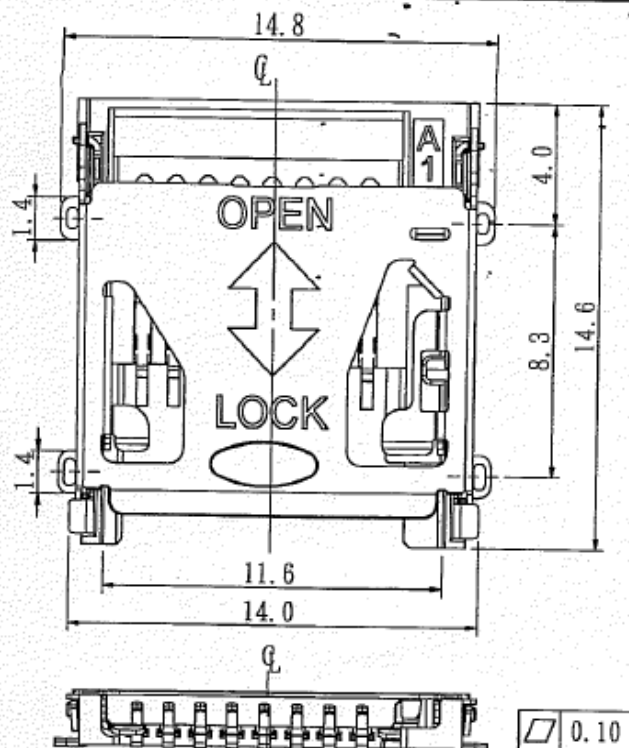
DWG NO. MSPN10-09-Xf

SCALE	NONE
PROJ.	

SHEET	3 / 3
REV.	Xf

QP-04-33-B





REV.	MODIFICATION	DRAWN	APPROVED
E	EN 071207	陈忠胜	Sea

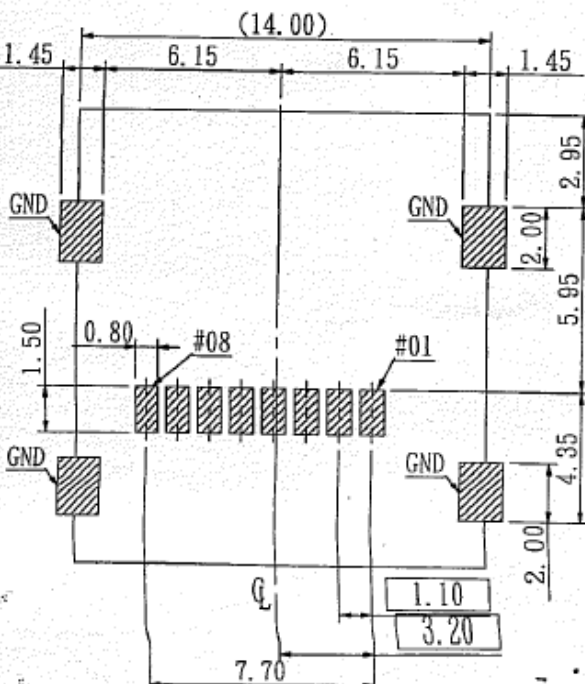
- NOTES:
1. MATERIAL:  
INSULATOR: HIGH TEMPERATURE THERMOPLASTIC  
FLAMMABILITY RATING: UL94V-0 COLOR: BLACK  
CONTACT: COPPER ALLOYS  
COVER: STAINLESS STEEL
  2. CONTACT AREA PLATING: GOLD OVER Ni
  3. P/N: MSHN08-A0-0013

PROCONN  
TECHNOLOGY CO., LTD.

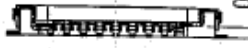
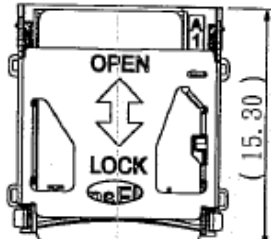
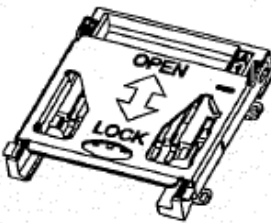
MICRO SD



COVER OPEN ⇌ COVER LOCK



PIN NO.	NAME
#01	DAT2
#02	CD/DAT3
#03	CMD
#04	VDD
#05	CLK
#06	VSS
#07	DAT0
#08	DAT1



GENERAL TOLERANCE	
X ± 0.40	X° ± 5°
X ± 0.30	X° ± 2°
XX ± 0.20	XX° ± 1°
XXX ± 0.10	XXX° ± 0.5°

Proconn Technology Co., Ltd.

TITLE  
MICRO SD CONNECTOR  
- HINGE TYPE

CUSTOMER DRAWING

MSHN08-A0-0013

DWG. NO. MSHN08-02-E

APPROVAL

CHECKED

DRAWN

UNIT

SCALE

NONE

SHEET

1/2



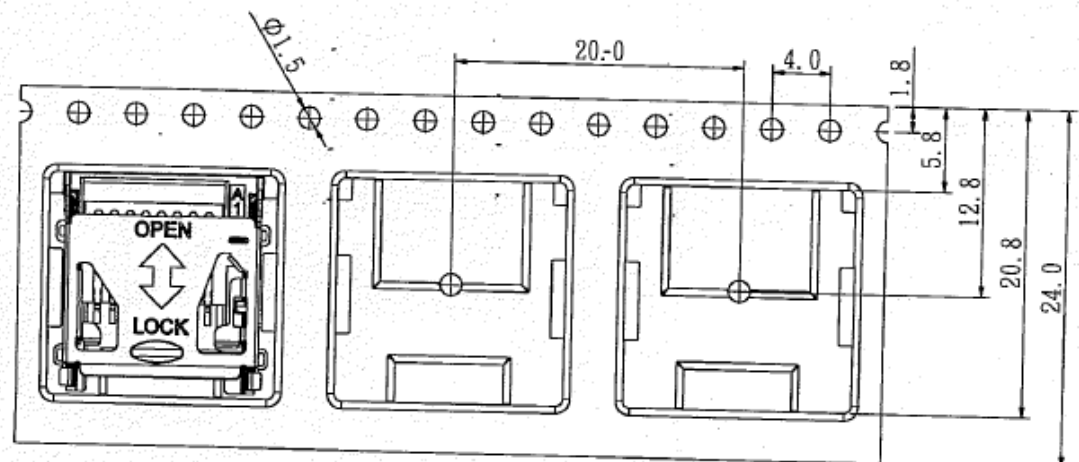
E



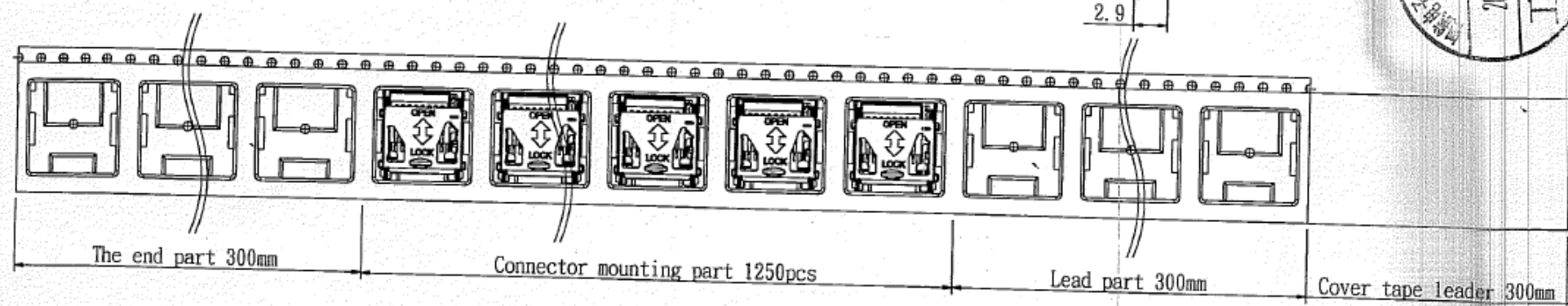
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RECOMMEND P.C.B. LAYOUT  
TOLERANCE ± 0.05

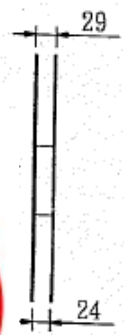
REV.	MODIFICATION	DRAWN	APPROVED
E	EN071207	43512	Leo




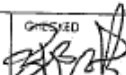
PROCONN  
TECHNOLOGY CO., LTD.



**PROCONN**  
 陳 R:15986752481  
 Q Q:1852100835  
 www.proconn.icoc.cn  
**鉅航連接器**



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GENERAL TOLERANCE		Proconn Technology Co., Ltd.	
X± 0.40	X°± 5°		
X± 0.30	X°± 2°		
XX± 0.20	XX°± 1°		
XXX± 0.10	XXX°± 0.5°	TYPE	MICRO SD CONNECTOR HINGE TYPE
CUSTOMER DRAWING		MSHN08-A0-0013	DWG NO. MSHN08-02-E
APPROVAL	DRAWN	UNIT	SCALE
		mm	NONE
			2 / 2
			E

# NOTES :

## 1.Material :

Housing : High temperature thermoplastic,UL94-V0.

Color : Black

Micro-SD Terminal : Copper Alloy.

Cover : Stainless Steel.

C/D Pin : Copper Alloy.

## 2.Finish :

Terminal : Underplate : Ni over all.

Contact area : Au over Ni plate.

Solder tail : Lead free over Ni plate.

Cover : Underplate : Ni over all.

Solder tail : Au over Ni plate.

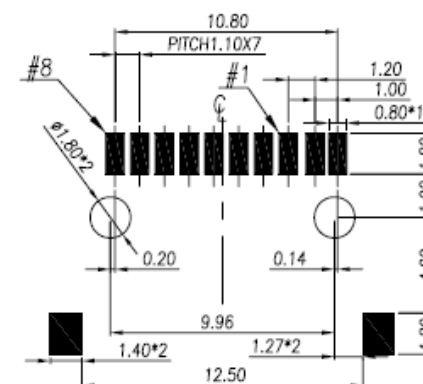
## 3.Coplanarity Must Be Within 0.10 Max.

## 4.C/D : Card Detect Switch.

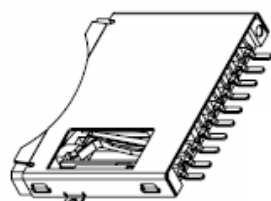
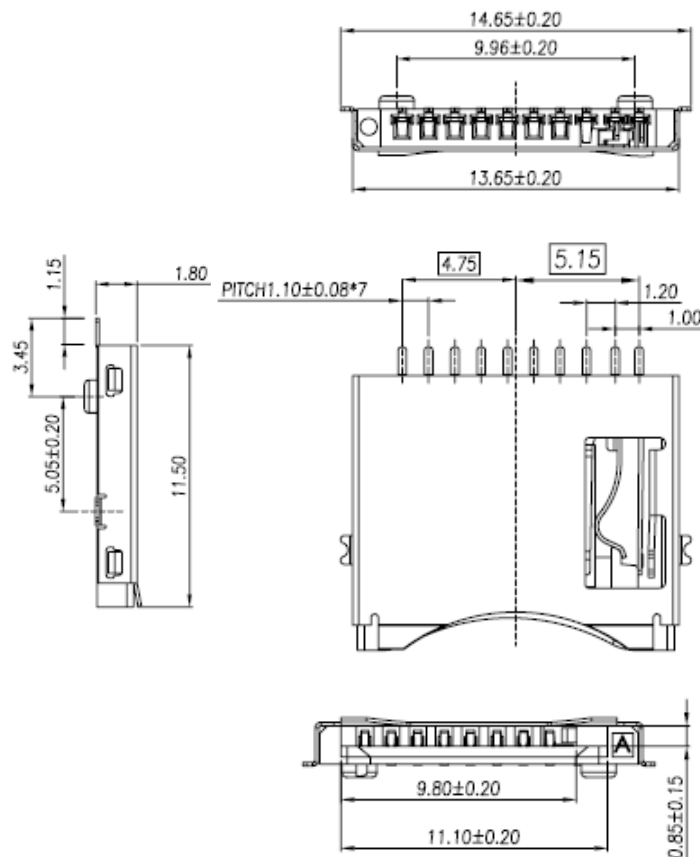
## 5.Part no : MSPN09-A0-8X00

PLATING:  
A : GOLD FLASH.

LOGO :  
0 : WITH LOGO.  
1 : W/O LOGO.



RECOMMEND PCB LAYOUT  
GENERAL TOLERANCE  $\pm 0.05$



PROCONN

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Q Q:1852100835

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GENERAL TOLERANCE		Proconn Technology Co., Ltd.	
X $\pm 0.40$	X $^{\circ}\pm 5^{\circ}$		
.X $\pm 0.30$	.X $^{\circ}\pm 2^{\circ}$	TITLE	
.XX $\pm 0.20$	.XX $^{\circ}\pm 1^{\circ}$	MICRO SD SIMPLE TYPE W/DETECT PIN	
XXX $\pm 0.10$	XXX $^{\circ}\pm 0.5^{\circ}$	PART NO.	
CUSTOMER DRAWING		MSPN09-A0-8X00	
APPROVAL	CHECKED	DRAWN	UNIT
Tony	張緯	張緯	mm
DWG NO.		MSPN09-12-Xa	
SCALE		NONE	
SHEET		1 / 1	
REV.		Xa	