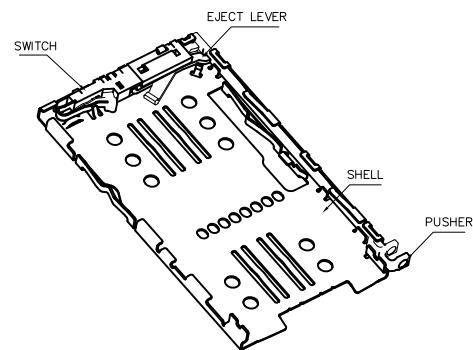
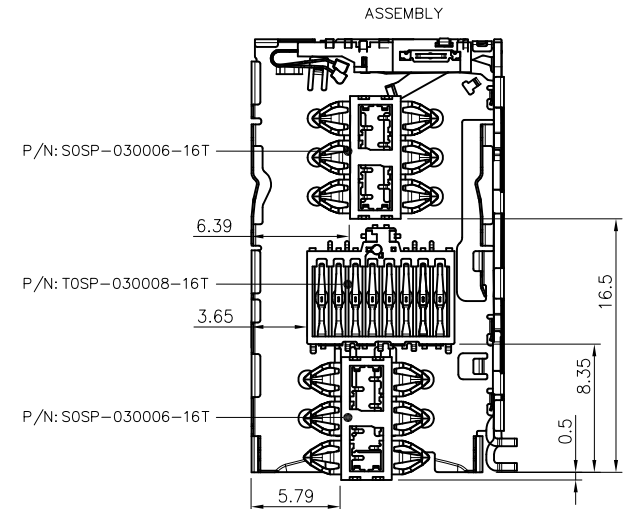
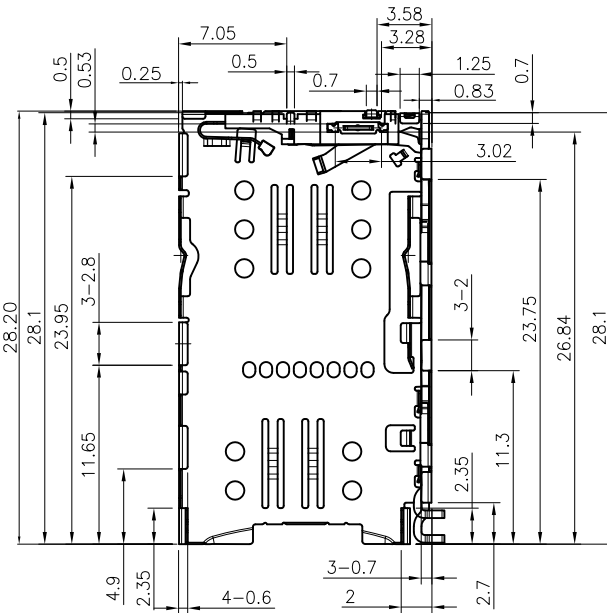
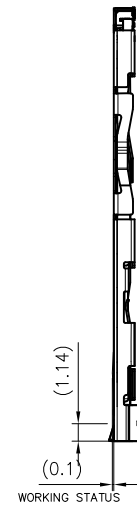
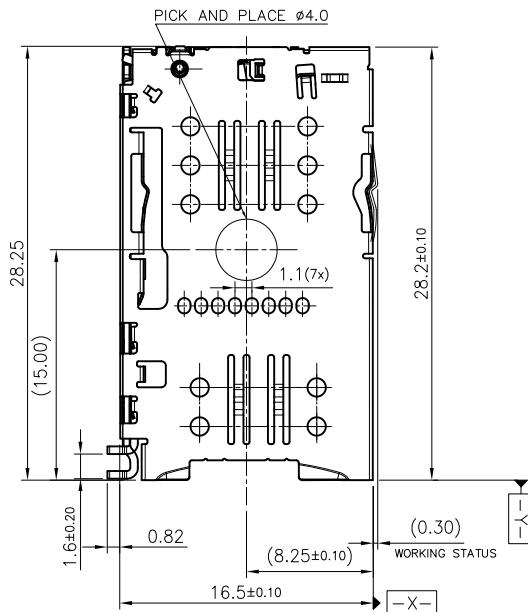


REV.	ECN NO OR DESCRIPTION	REVISED	DATE
△	PROPOSE ONLY	ALLEN	2015.05.23



ISOMETRIC VIEW

Item	Description	Q'TY	Material	Finished
1	Switch Block	1	LCP	Contact area: Gold plating
	Detect pin	1	SUS	Under plate: 1.25 um Min Ni
2	Shell	1	SUS	Solder area: Gold plating
				Under plate: 1.25 um Min Ni
3	Pusher		SUS	N/A
4	Eject lever		SUS	N/A

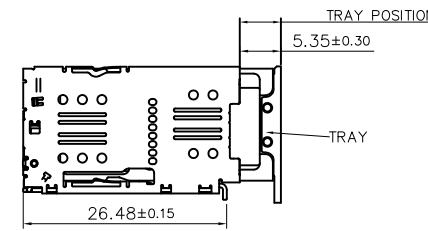
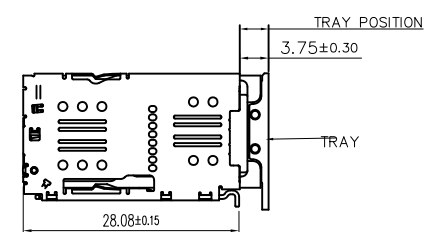
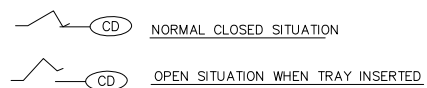
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UNLESS OTHERWISE SPECIFIED TOLERANCES	
DECIMALS:	ANGLES:
X :±0.5	X :±2°
X.X :±0.20	X.X :±1°
X.XX :±0.10	

TITLE	1.35H Nano&tf 3in2 with tray (Pin Push)Conn.Assem.			
DWN	ALLEN	PART NO. TS0PL-130020-01GB		
CHKD	KEVIN	SCALE:1:1	UNIT: mm	
APVD	ERIC.W	SIZE: A3	SHEET:1OF 1	REV: A
CUSTOMER COPY				

Timing sequence

When tray insert first time, Detect Sw. is activated



SPECIFICATION

CONTACT RESISTANCE (data) ≤100 mΩ INITIAL

INSULATION RESISTANCE >1000MΩ

HIGH VOLTAGE RESISTANCE 500 V AC 1 MINUTE

OPERATING VOLTAGE (SELV) 10 V DC

PEAK CURRENT Max.0.5 A

OPERATING TEMPERATURE -20°C/+85°C

STORAGE TEMPERATURE -20°C/+85°C

"RoHS" COMPLIANT

MECHANICAL LIFETIME Min.3000 MATING CYCLE

CONTACT FORCE 0.2N

CO-PLANARITY Max.0.08 MM BEFORE REFLOW

Max.0.10 MM AFTER REFLOW

6. PART No.: TS 0 PL - 13 00 20- 01 G B

TF&SIM CON.

0=WITHOUT POST

PL=PUSH LEVER

13:HEIGHT 1.3mm

B=B Type

G=gold flash

01=Product Order

Pin NO. 20=20Pin

00=NORMAL TYPE.(ON PCB)

REV.	ECN NO OR DESCRIPTION	REVISED	DATE
	PROPOSE ONLY	ALLEN	2015.05.23

PACKAGING DRAWING



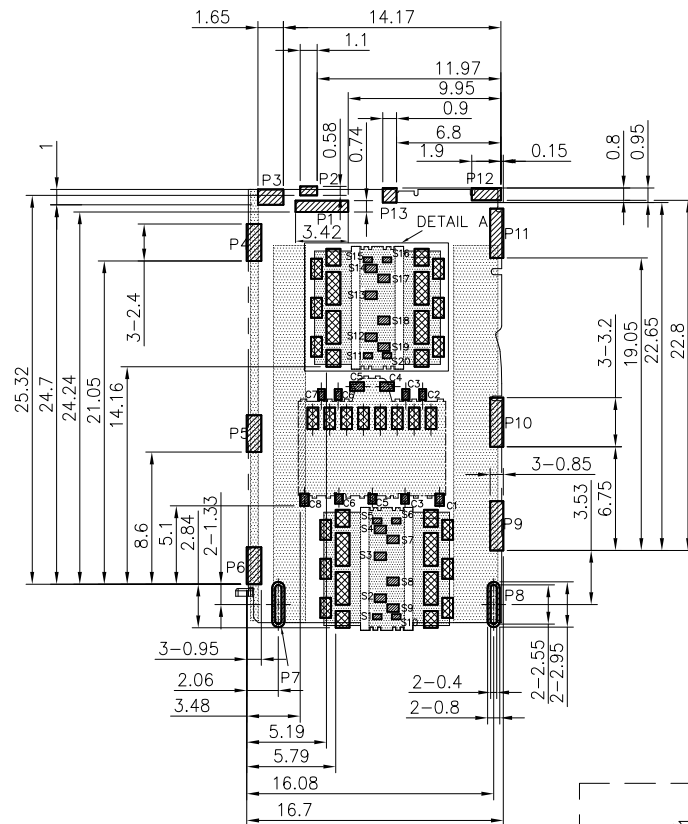
Pin	NAME
C1	DAT2
C2	CD/DAT3
C3	CMD
C4	V _{DD}
C5	CLK
C6	V _{SS}
C7	DAT0
C8	DAT1

SIM Block Pin Definition

NANO SIM	NAME
S1,S11,S2,S12	Vcc
S3,S13	RST
S4,S5,S14,S15	CLK
S6,S7,S16,S17	I/O
S8,S18	Vpp
S9,S10,S19,S20	GND

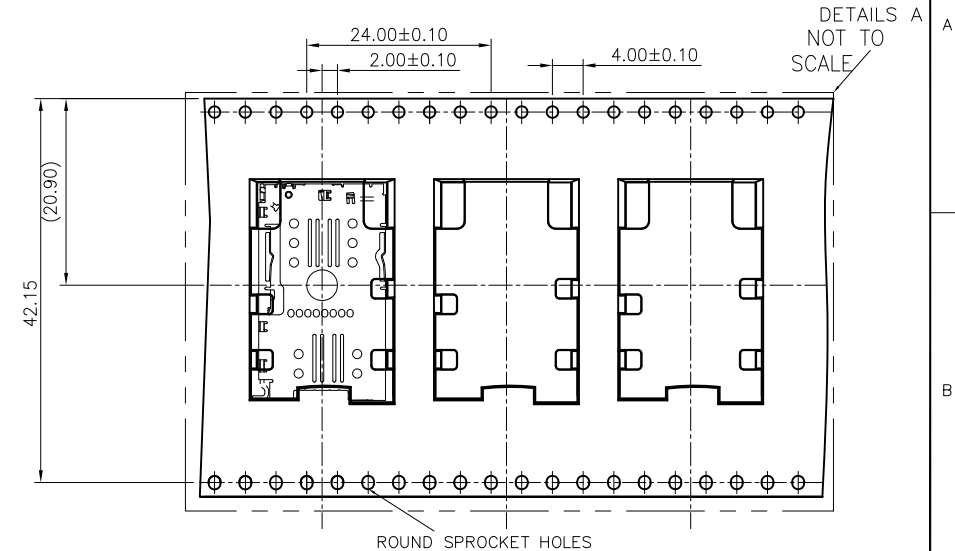
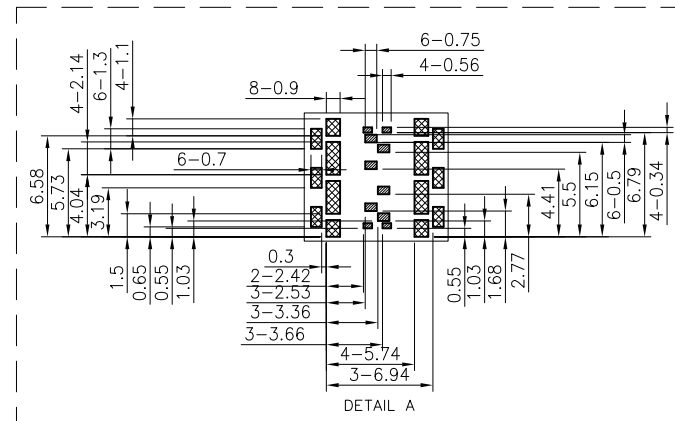
Holder Pin Definition

Pin	NAME
P1~P12	Ground
P13	Detect Switch



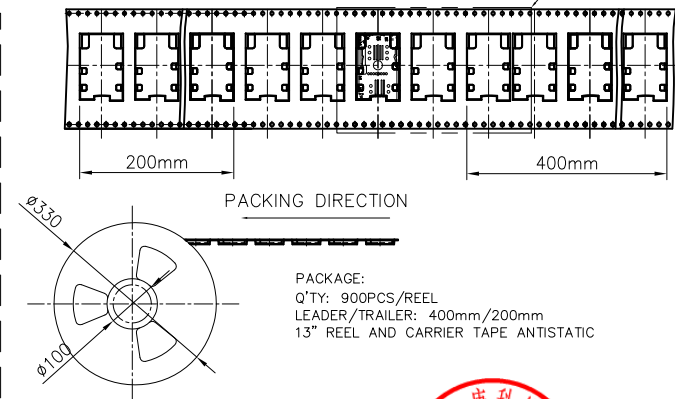
Recommend PCB Layout

Recommend tolerance: ± 0.05
Recommend Stencil Thickness: 0.10



USER DIRECTION OF UNREELING

See details A



PACKAGE:
Q'TY: 900PCS/REEL
LEADER/TRAILER: 400mm/200mm
13" REEL AND CARRIER TAPE ANTISTATIC

UNLESS OTHERWISE
SPECIFIED TOLERANCES

DECIMALS:		ANGLES:	
X	: ± 0.5	X	: $\pm 2^\circ$
X.X	: ± 0.20	X.X	: $\pm 1^\circ$
X.XX	: ± 0.10		

深圳市顺宏康科技有限公司

TITLE	1.35H Nano&tf 3in2 with tray (Pin Push)Conn.			
DWN	ALLEN	PART NO. TS0PL-130020-01GB		
CHKD	KEVIN	SCALE:1:1	UNIT: mm	
APVD	ERIC.W	SIZE: A3	SHEET:1OF 1	REV: A

CUSTOMER COPY

 Soldering Pad area

 Open wire restricted area
 (possibility touch of components on PCB)

 Connector outline

 Open wire & copper restricted area

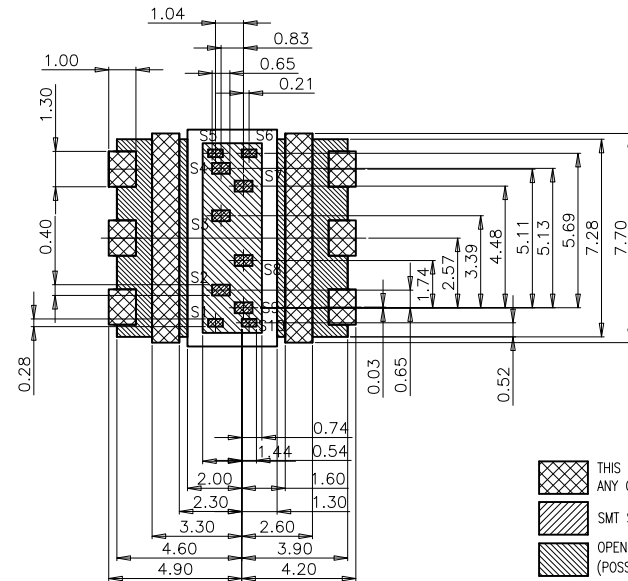
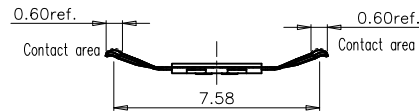
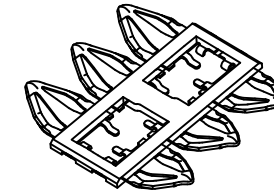
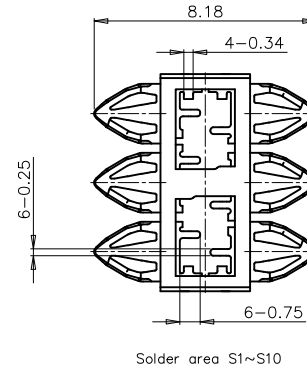
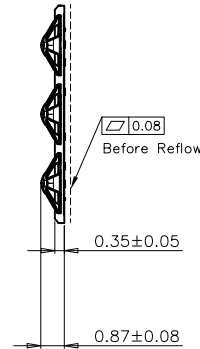
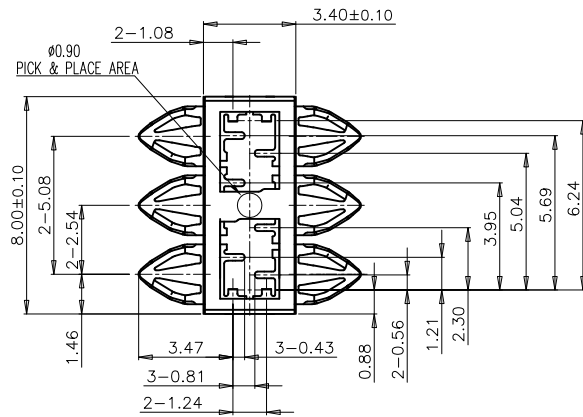
1.Touch area of contact tips, No electrical function and only for mechanical function
2.No first PCB-Layer circuits in the area

 None solder Pad area

None solder pad area

- 1.Touch area of contact tips, No electrical function and only for mechanical function
- 2.Don't brush Tin pasted on the area during SMT process

REV.	ECN NO OR DESCRIPTION	REVISED	DATE
▽	PROPOSE ONLY	ALLEN	2015.05.23



- THIS AREA SHOULD BE FREE OF ANY CONDUCTIVE TRACES
- SMT SOLDER AREA
- OPEN WIRE RESTRICTED AREA (POSSIBLY TOUCH OF COMPONENTS ON PCB)

RECOMMEND PCB LAYOUT (TOLERANCE ±0.05)

NANO SIM Pin definition

PIN	NAME
S1,S2	Vcc
S3	RST
S4,S5	CLK
S6,S7	I/O
S8	Vpp
S9,S10	GND

NOTES:

- MATERIAL:SEE TABLE 1.
- SPECIALITY:
 - Rated current:0.5A Max
 - Rated voltage:10V DC
 - Contact Resistance:60mΩ MAX
 - Insulation Resistance:1000MΩ MIN 500V DC
 - Dielectric withstanding voltage: 500V AC 1 MINUTE.
 - Solder ability:245±5℃, 5±0.5s.
 - Durability:3000 Cycles Min.
 - Operating condition:Temperature-20℃~+85℃; Humidity 80% R.H MAX
- MECHANICAL:
 - Contact Force:0.2N Min
- PLEASE CONTACT KRCONN SALES REPRESENTATIVE TO VERIFY PRODUCT DETAILS & AVAILABILITY

5. PART No.:

S 0 SP - 03 00 06 - 16 T
 0=WITHOUT POST
 SP=SIMPLE TYPE
 03:HEIGHT 0.3mm
 T= 端子接触点防渍设计
 16=Product Order
 Pin NO. 6=6Pin
 00=NORMAL TYPE.(ON PCB)

②	Housing	1	LCP 6808	COLOUR:BLACK	UL 94V-0
①	Contact	1	NKT-322	Contact area:Plating Au 0.25um min Solder area:Plating Au 0.025um min Under Plating:Ni 1.25um min	T=0.08±0.01mm

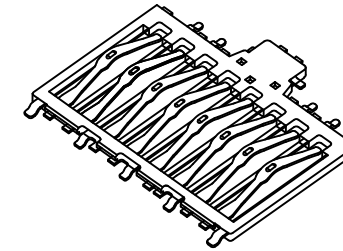
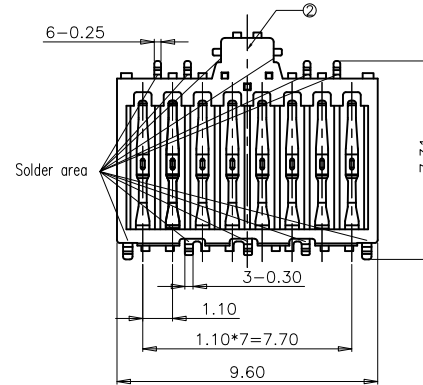
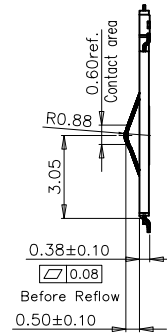
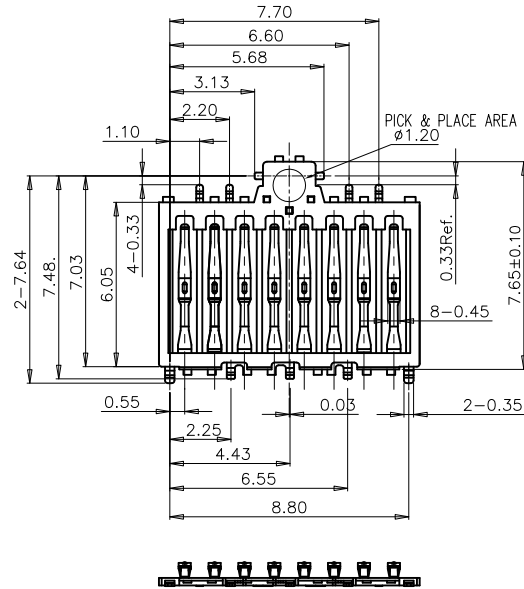
NO.	PART NAME	QTY	MATERIAL	DESCRIPTION	REMARK
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UNLESS OTHERWISE SPECIFIED TOLERANCES

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DECIMALS:	ANGLES:	TITLE	0.3H SIM CARD CONN.
X :±0.5	X :±2°	DWN	ALLEN
X.X :±0.20	X.X :±1°	CHKD	KEVIN
X.XX :±0.10		APVD	ERIC.W
			SCALE:1:1
			UNIT: mm
			SIZE: A3
			SHEET:1OF 1
			REV: A1
			CUSTOMER COPY

REV.	ECN NO OR DESCRIPTION	REVISED	DATE
▽	PROPOSE ONLY	ALLEN	2015.05.23

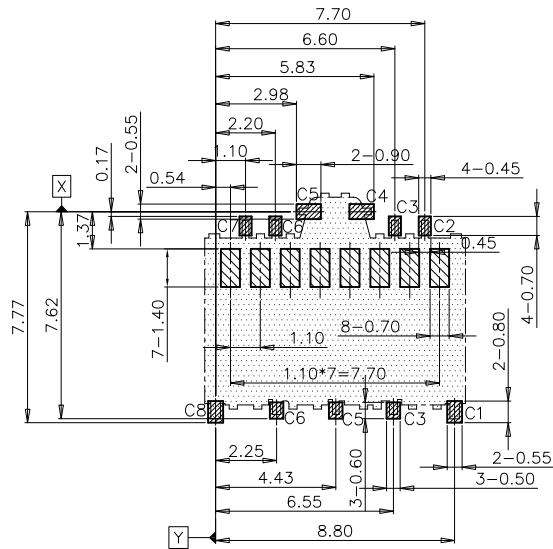


- NOTES:
- MATERIAL:SEE TABLE 1.
 - SPECIALITY:
 - Rated current:0.5A Max
 - Rated voltage:10V DC
 - Contact Resistance:60mΩ MAX
 - Insulation Resistance:1000MΩ MIN 500V DC
 - Dielectric withstanding voltage: 500V AC 1 MINUTE.
 - Solder ability:245±5℃, 5±0.5s.
 - Durability:3000 Cycles Min.
 - Operating condition:Temperature-20℃~+85℃; Humidity 80% R.H MAX
 - MECHANICAL:
 - Contact Force:0.2N Min
 - PLEASE CONTACT KRCONN SALES REPRESENTATIVE TO VERIFY PRODUCT DETAILS & AVAILABILITY

5. PART No.:
 TF CON. 0 SP - 03 00 08- 16 T
 0=WITHOUT POST
 SP=SIMPLE TYPE
 03=HEIGHT 0.3mm
 T= 端子接触点防渍设计
 16=Product Order
 Pin NO. 8=8Pin
 00=NORMAL TYPE.(ON PCB)

μSD Block Pin Definition

PIN	NAME
C1	DATA2
C2	CD/DATA3
C3	CMD
C4	VCD
C5	CLK
C6	Vss2
C7	DATA0
C8	DATA1



- Soldering Pad area
 Open wire restricted area (possibly touch of componets on PCB)
 Connector outline
 Pad area(only for mechanical function)
 1. Touch area of contact tips, no electrical function and only for mechanical function
 2. Don't brush Tin pasted on the area during SMT process.

RECOMMEND PCB LAYOUT (TOLERANCE ±0.05)

②	Housing	1	LCP	COLOUR:BLACK	UL 94V-0
①	Contact	1	COPPER ALLOY	Contact Area: Au 3U"Min, Solder area: Au 1U"Min ;Under plate Ni 50u"Min all over	T=0.08±0.01mm
NO.	PART NAME	QTY	MATERIAL	DESCRIPTION	REMARK
UNLESS OTHERWISE SPECIFIED TOLERANCES			深圳市顺宏康科技有限公司		
DECIMALS:		ANGLES:		TITLE 0.3H Micro SD CARD BLOCK CONN.	
X	:±0.5	X	:±2°	DWN ALLEN PART NO. T0SP-030008-16T	
X.X	:±0.20	X.X	:±1°	CHKD KEVIN SCALE:1:1 UNIT: mm	
X.XX	:±0.10			APVD ERIC.W SIZE: A3 SHEET:1OF 1 REV: A1	
CUSTOMER COPY					