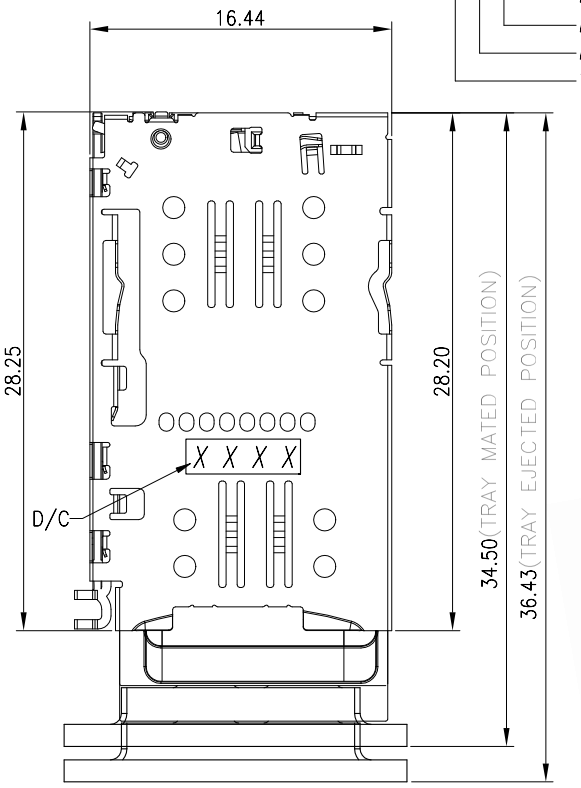
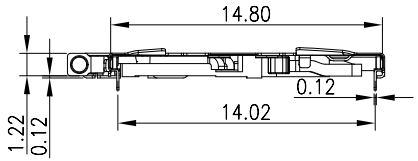
ROHS Compliant

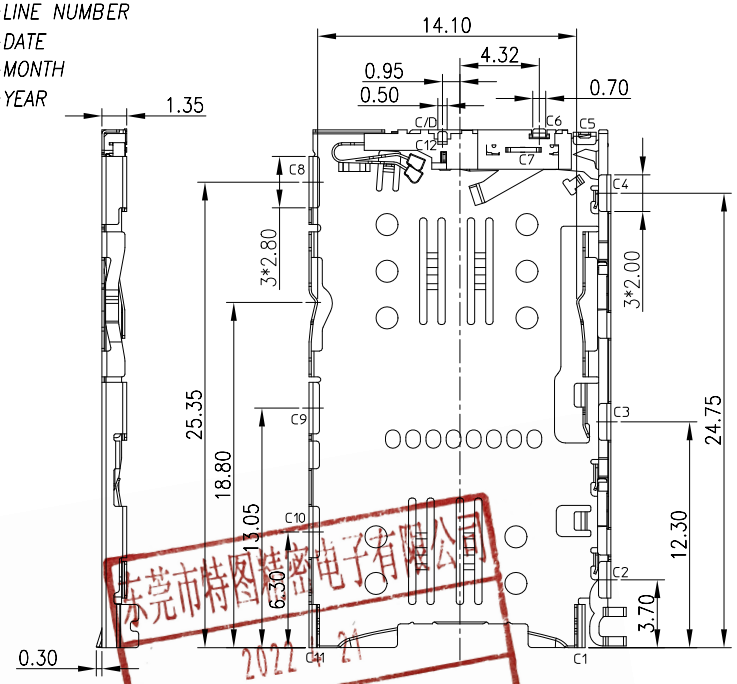
THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN TETULL PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM TETULL LTD.

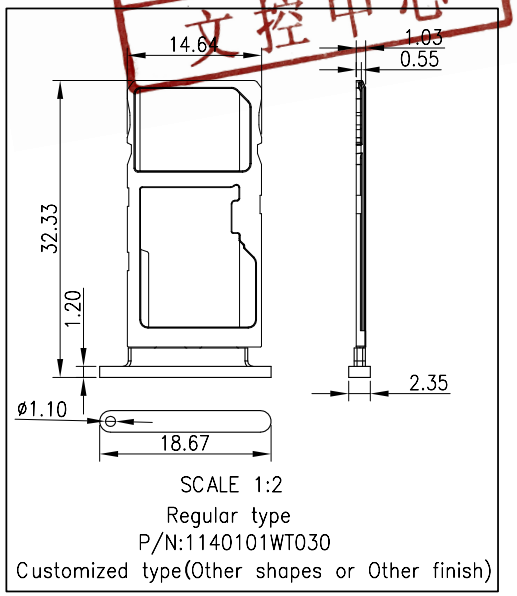
REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PRODUCT RELEASE	ZHARKO	2021.03.22

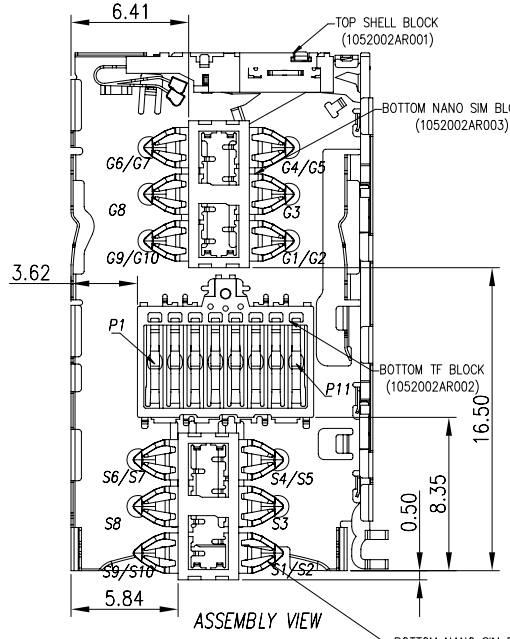
D/C ANNOTATION
X X X X
LINE NUMBER
DATE
MONTH
YEAR











CIRCUIT DIAGRAM FOR DETECTION SWITCH OF TRAY

TRAY INSERTION CONDTION	TRAY DETECT SWITCH	CIRCUIT TRAY S/W SWITCH TERMINAL
NORMAL	CLOSE	C/D — GND
TRAY INSERTION	OPEN	C/D — GND

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
F	HOOK	1	LCP UL94-V0	BLACK
E	DETECT SWITCH	1	COPPER ALLOY	G/F plated on contact area G/F plated on Solder tail All over Nickel Plated .
D	CRANK	1	STAINLESS STEEL	
C	LEVER	1	STAINLESS STEEL	
B	SHELL	1	STAINLESS STEEL	G/F plated on contact area G/F plated on Solder tail All over Nickel Plated .
A	HOUSING	1	LCP UL94-V0	BLACK

1.SPECIFICATIONS:
1-1.VOLTAGE RATING: 10V;
1-2.CURRENT RATING:0.5A;
1-3.INSULATION RESISTANCE: 1,000MΩ MIN;
1-4.CONTACT RESISTANCE: 150mΩ MAX;
1-5.DURABILITY: 5,000 CYCLES;
2.RoHS 2011/65/EU COMPLIANT.
3.MPQ : 900PCS/REEL.

SCALE 1:2
Regular type
P/N:1140101WT030
Customized type(Other shapes or Other finish)

东莞市特图精密电子有限公司
2022.2.1
文控中心

UNLESS OTHERWISE SPECIFED TOLERANCES

DECIMALS: ANGLES:
X :±0.5 X :±2°
X.X :±0.3 X.X :±1°
X.XX :±0.2

TETULL

TITLE: NANO SIM*2+TF CARD 20P三选二卡座中间扣点分体式-SHELL BLOCK 1.35H

PART NO.	1052002AR001	
DWN	ZHARKO	2021.03.22
CHKD		
APVD		
SCALE 1:1	UNIT: mm	
CUSTOMER COPY	SIZE: A4	SHEET: 10F4 REV: A

TETULL CORPORATION

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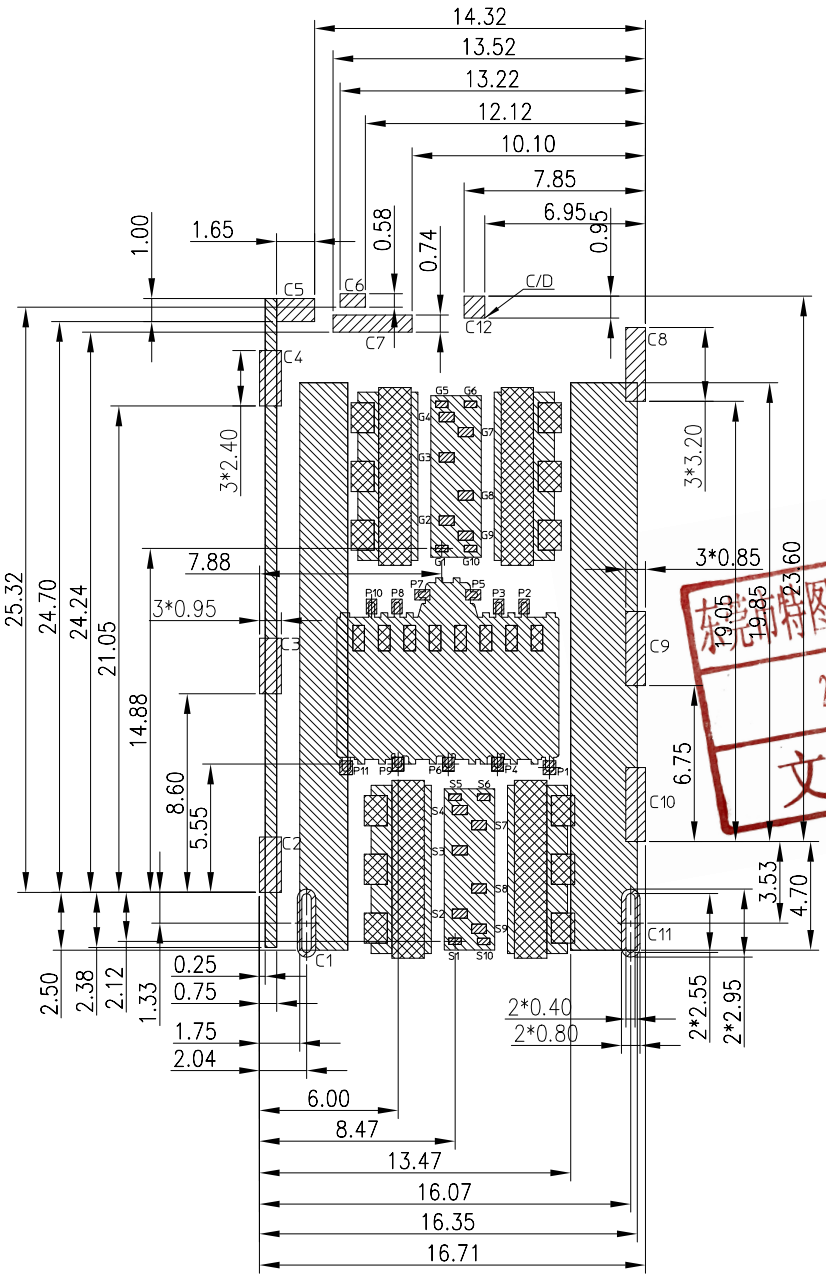
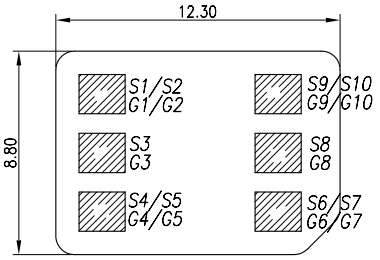
REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PRODUCT RELEASE	ZHARKO	2021.03.22

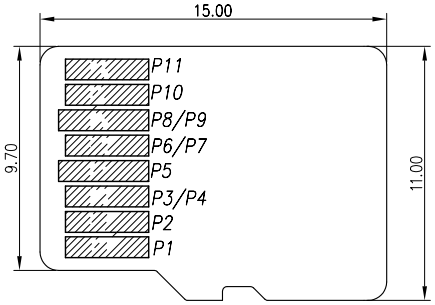


TF-PIN	
PIN NO.	PIN NAME
P1	DAT2
P2	CD/DAT 3
P3 P4	CMD
P5	VDD
P6 P7	CLK
P8 P9	VSS
P10	DAT 0
P11	DAT 1

HOLDER PIN	
PIN NO.	PIN NAME
C1~C11	GND
C12	DETECT



NANO SIM CARD
ELECTRICAL



TF CARD ELECTRICAL

NANO SIM-PIN	
PIN NO.	PIN NAME
S1 S2	VCC
S3	RST
S4 S5	CLK
N/A	Reserved
S9 S10	GND
S8	VPP
S6 S7	I/O
N/A	Reserved

NANO SIM-PIN	
PIN NO.	PIN NAME
G1 G2	VCC
G3	RST
G4 G5	CLK
N/A	Reserved
G9 G10	GND
G8	VPP
G6 G7	I/O
N/A	Reserved

东莞市特图精密电子有限公司
2022 4 21
文控中心

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
RECOMMEND MASK THICKNESS:0.10MM

UNLESS OTHERWISE SPECIFED TOLERANCES

DECIMALS:		ANGLES:	
X	:±0.5	X	:±2°
X.X	:±0.3	X.X	:±1°
X.XX	:±0.2		

CUSTOMER COPY

TITLE:	NANO SIM*2+TF CARD 20P三选二卡座中间扣点分体式-SHELL BLOCK 1.35H	
PART NO.	1052002AR001	
DWN	ZHARKO	2021.03.22
CHKD		
APVD		
SCALE 1:1	UNIT: mm	
SIZE: A4	SHEET: 2OF4	REV: A

TETULL CORPORATION

ROHS Compliant

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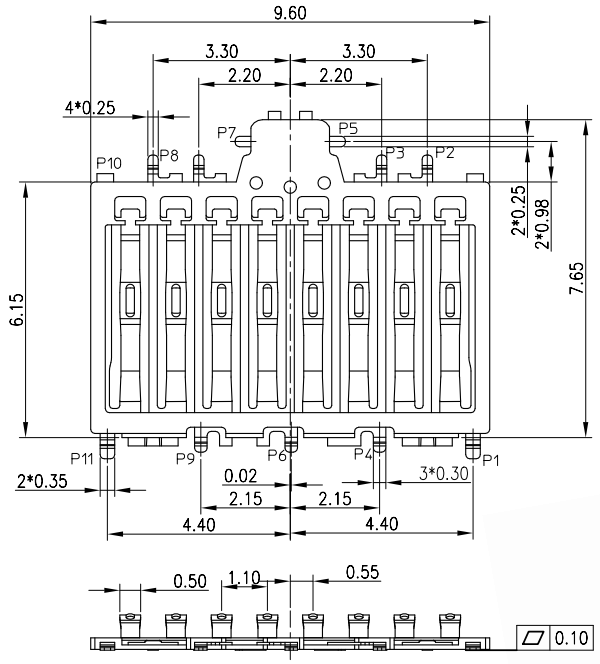
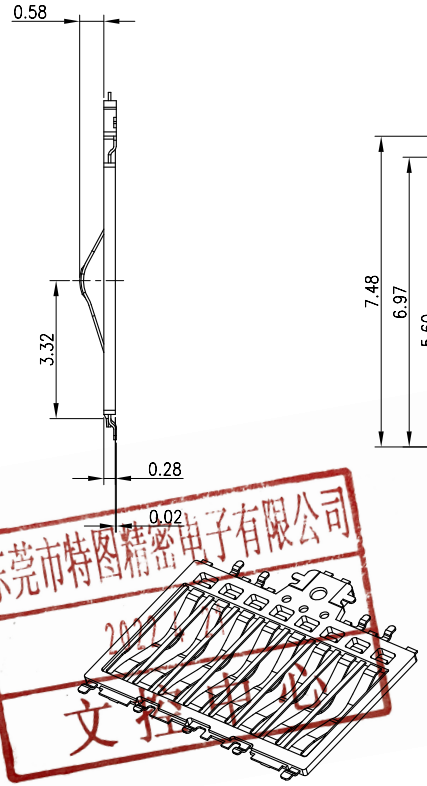
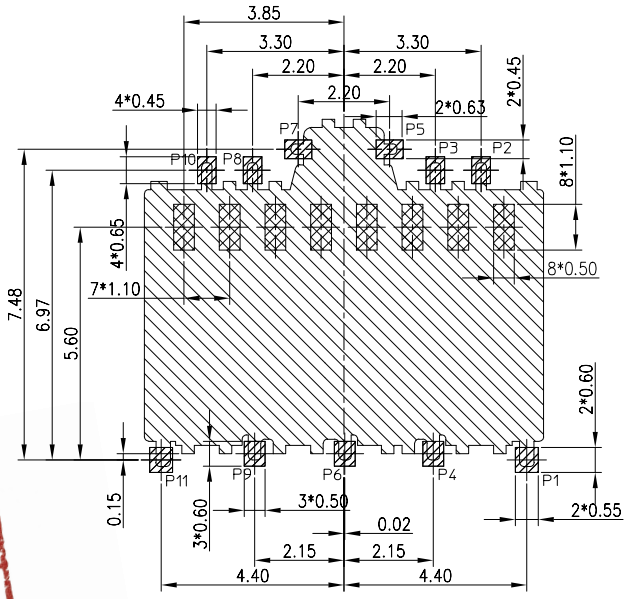
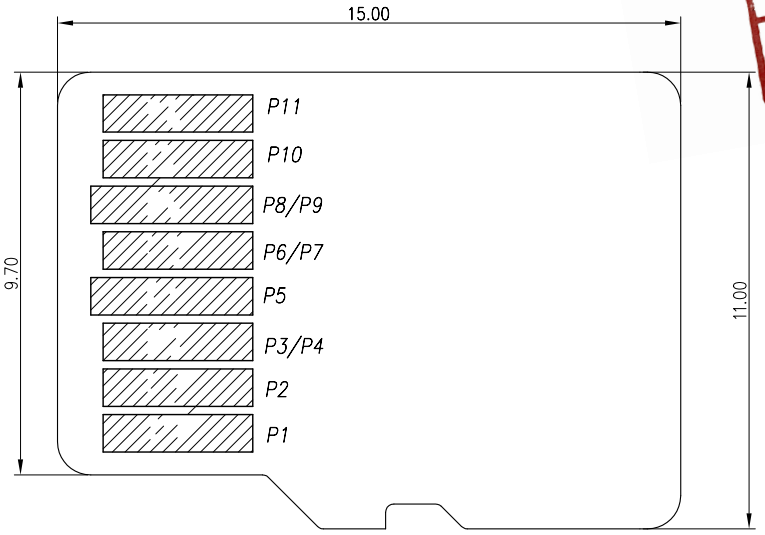
REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PRODUCT RELEASE	ZHARKO	2021.03.22









TF CARD ELECTRICAL

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

RECOMMEND MASK THICKNESS:0.10MM

TF-PIN	
PIN NO.	PIN NAME
P1	DAT2
P2	CD/DAT 3
P3 P4	CMD
P5	VDD
P6 P7	CLK
P8 P9	VSS
P10	DAT 0
P11	DAT 1

1.SPECIFICATIONS:
- 1-1.VOLTAGE RATING: 10V;
- 1-2.CURRENT RATING:0.5A;
- 1-3.INSULATION RESISTANCE: 1,000MΩ MIN;
- 1-4.CONTACT RESISTANCE: 50mΩ MAX;
- 1-5.DURABILITY: 5,000 CYCLES;

2.MPQ : 3500PCS/REEL.

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
B	CONTACT	8	COPPER ALLOY	Gold plated on contact area 1u" Au plated on Solder tail All over 50u"Nl Plated .
A	HOUSING	1	TEMPERATURE PLASTIC UL94-V0	BLACK

UNLESS OTHERWISE SPECIFED TOLERANCES

DECIMALS:	ANGLES:
X :±0.5	X :±2°
X.X :±0.3	X.X :±1°
X.XX :±0.2	

TETULL

TITLE: NANO SIM*2+TF CARD 20P三选二卡座中间扣点分体式-TF BLOCK 8P 0.28H

PART NO.	1052002AR002	
DWN	ZHARKO	2021.03.22
CHKD		
APVD		
SCALE 1:1	UNIT: mm	
CUSTOMER COPY	SIZE: A4	SHEET: 30F4 REV: A

TETULL CORPORATION

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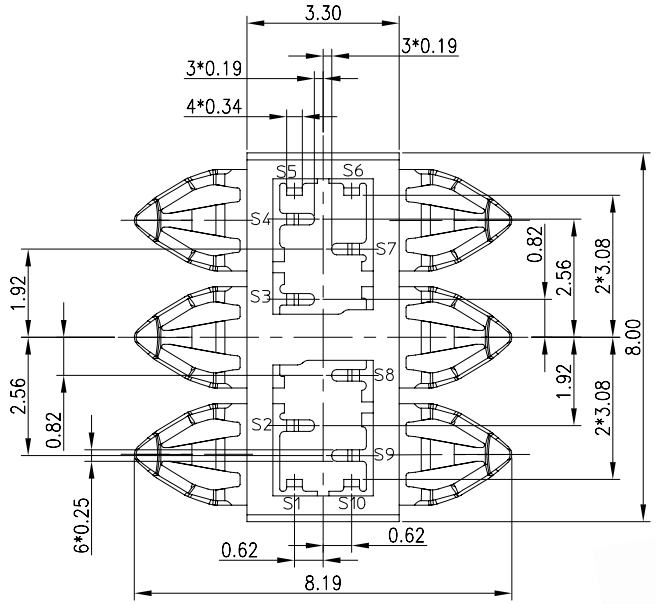
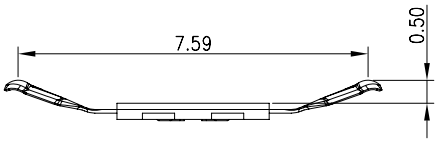
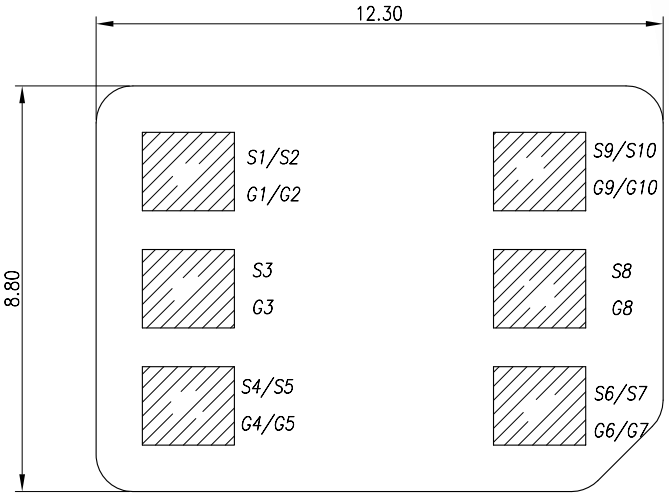
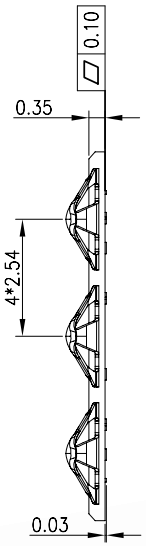
REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PRODUCT RELEASE	ZHARKO	2021.03.22

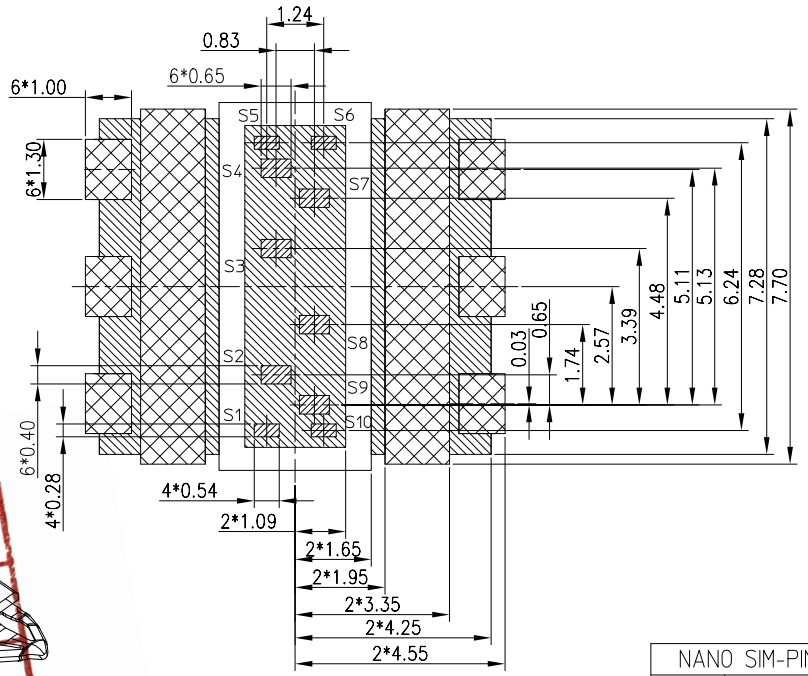


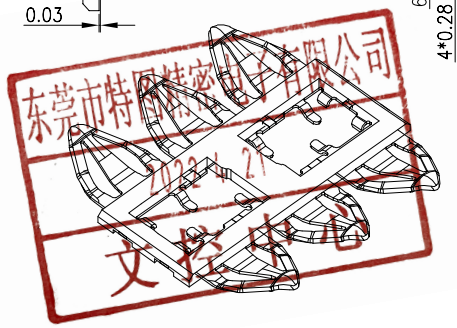




NANO SIM CARD ELECTRICAL







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

RECOMMEND MASK THICKNESS:0.10MM

NANO SIM-PIN	
P/N	NAME
S1 S2	VCC
S3	RST
S4 S5	CLK
N/A	Reserved
S9 S10	GND
S8	VPP
S6 S7	I/O
N/A	Reserved

1.SPECIFICATIONS:
1-1.VOLTAGE RATING: 10V;
1-2.CURRENT RATING:0.5A;
1-3.INSULATION RESISTANCE: 1,000MΩ MIN;
1-4.CONTACT RESISTANCE: 50mΩ MAX;
1-5.DURABILITY: 5,000 CYCLES;
2.MPQ : 3200PCS/REEL.

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
B	CONTACT	6	COPPER ALLOY	Gold plated on contact area 1u" Au plated on Solder tail All over 50u"Nl Plated .
A	HOUSING	1	TEMPERATURE PLASTIC UL94-V0	BLACK

UNLESS OTHERWISE SPECIFED TOLERANCES

DECIMALS:	ANGLES:
X :±0.5	X :±2°
X.X :±0.3	X.X :±1°
X.XX :±0.2	

TETULL

TITLE:	NANO SIM*2+TF CARD 20P三选二卡座中间扣点分体式-NANO SIM BLOCK 6P 0.35H	
PART NO.	1052002AR003	
DWN	ZHARKO	2021.03.22
CHKD		
APVD		
SCALE 1:1	UNIT: mm	
CUSTOMER COPY	SIZE: A4	SHEET: 4OF4 REV: A

TETULL CORPORATION