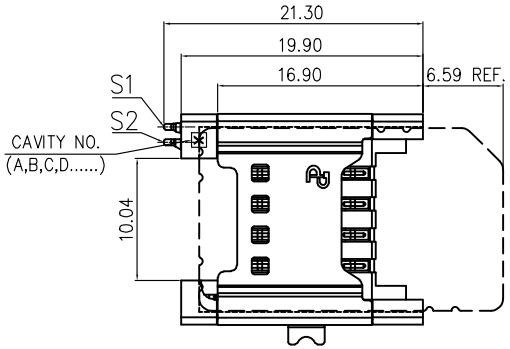
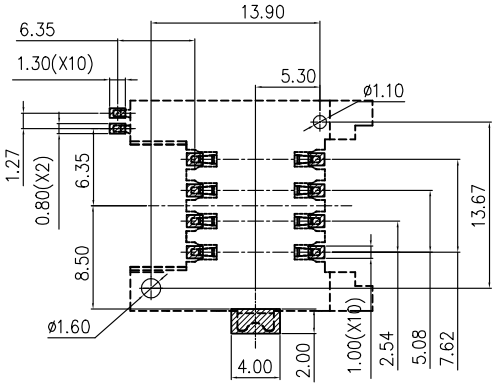
ABIDE BY RoHS,MEETS PT ENVIRONMENTAL Q3-7584

PATENT PENDING 5089.06US01

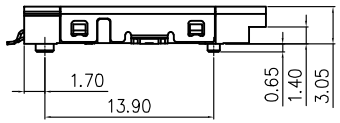
REV.	DESCRIPTION	ECN NO.	NEW DESIGNER
A	NEW RELEASE	\	Genway 2016.08.15
B	Modify structure to make insert card more smoothly	PN17030201	陈小军 2017.03.02
C	Modify the position of the cavity NO.	PN17070601	陈小军 2017.07.06
D	Correct section A and SMT dimensional tolerance	PN17081501	陈小军 2017.08.17

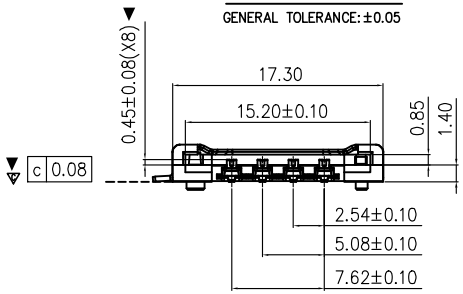


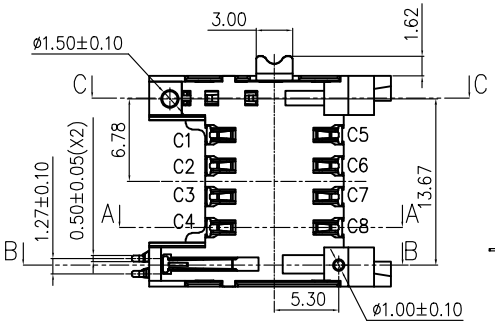


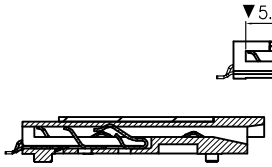
RECOMMENDED PCB LAYOUT

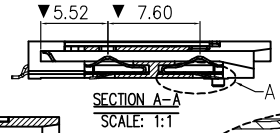
GENERAL TOLERANCE: ±0.05

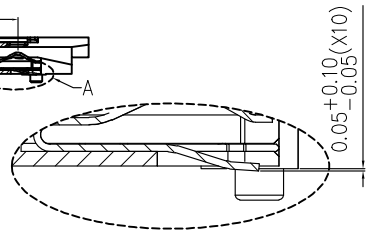












DETAIL A
SCALE 4:1

NOTES:

1.MATERIAL:
- HOUSING: 30% GF THERMOPLASTIC,BK,UL94V-0
- CONTACT PIN: PHOSPHOR BRONZE,T=0.15mm
- SWITCH PIN: PHOSPHOR BRONZE,T=0.20mm
- DETECT PIN: PHOSPHOR BRONZE,T=0.20mm
- SPRING PIN: STAINLESS STEEL,T=0.20mm

2.PLATING:
- CONTACT: NICKEL UNDERPLATING OVERALL; PLATED GOLD ON CONTACT AREA, OR REFERENCE PART NO. CODE; G/F PLATED ON SOLDER TAIL;
- SHELL: PLATED NICKEL OVERALL,G/F PLATED ON SOLDER TAIL;

3.PACKAGING SPECIFICATION: TAPE&REEL

4.ELECTRICAL CHARACTERISTICS:

VOLTAGE:	50V MAX
CURRENT:	1A MAX
CONTACT RESISTANCE:	100 mohm MAX.
INSULATION RESISTANCE:	1000 Mohm/500VDC.
DIELECTRIC WITHSTANDING VOLTAGE:	500 VAC
SWITCH TYPE:	BLADE NORMALLY OPEN(NO)
OPERATING TEMPERATURE:	-25°~+85°C

5.MECHANICAL CHARACTERISTICS:

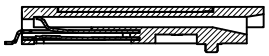
DURABILITY:	10000 CYCLES
NORMAL FORCE:	0.4N~0.8N
INSERTION FORCE:	400grm~800grm
EXTRACTION FORCE:	300grm MIN.
CONTACT LOCATION:	PER GSM 11.11 STANDARD
PUSH FORCE:	7.6kg AVERAGE

PART NUMBERING CODE:

SIM004 - ① 8 ② K ③ * ④ - * ⑤ R ⑥

1. SERIES: SIM004: 8 PIN SIM CARD WITH SWITCH
2. POSITIONS: 8: 8 POSITIONS.
3. INSULATOR COLOR: K : BLACK; W : WHITE
4. CONTACT PLATING: 1: Au 1u"; 2: Au 3u"; 3: Au 10u"; 4: Au 15u"; 5: Au 30u"; O: Au 6u"
5. ENVIRONMENT: O: RoHS; H: HALOGEN FREE
6. WAY OF PACKING: T: TRAY; R: TAPE & REEL; B: WATERPROOF BAG

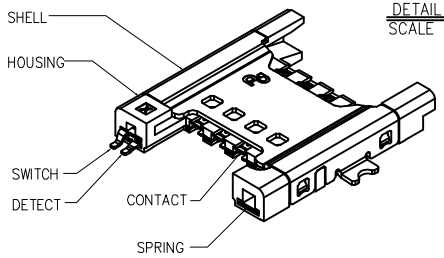
CIRCUIT DIAGRAM FOR CARD DETECT SWITCH



SECTION B-B
SCALE: 1:1

NORMAL=OPEN

INSERTING CARD=CLOSE



GENERAL TOLERANCE: X. ±0.30, .X ±0.20, .XX ±0.13, .XXX ±0.05	ANGLE TOLERANCE: X.° ±3.0°, .X° ±2.0°, .XX° ±1.0°	NAME(INTENDED USE): MANUFACTURE DRAWING	PALCONN TECHNOLOGY CO.,LTD.
		PART NO. CODE: SIM004-8K*-*R	TITLE: 8PIN SIM CARD WITH SWITCH
MAJOR(QC CHECKED) ▼= 5 places	SCALE: 1:1	APPROVED:	
CRITICAL: ▽= 1 places	UNIT: mm	CHECKED:	SERIES: CARD SERIES / SIZE: A4
SHEET 1 OF 1		DESIGN:	DRAWING NO.: E-SIM004-03 / REV.: D