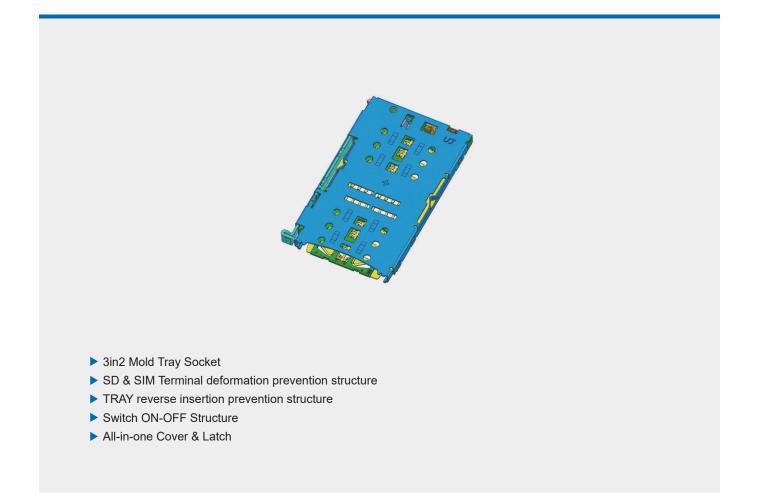


Applications | Mobile phone, Computer, Laptop, Medical equipment, Video recorder, Smart Car



Specifications

Current Rating	Contact Resistance	Insulation Resistance	Dielectric Strength	Temperature Range
0.5A/Pin	100mΩ [Max.]	1,000MΩ [Min.]	AC 500V	-40°C ~ 85°C

Mating Size & Product No.

PINS	РІТСН	WIDTH	HEIGHT	LENGHT	CODE
21	2.54	16.74	1.35	26.75	TS254-C21B-C14-A

Applications | Mobile phone, Computer, Laptop, Medical equipment, Video recorder, Smart Car

Product Specification

	Rated	0.5A/Pin	Operating	-40°C	Storage	-5°C to +40 °C	
Potingo	current	0.5A/FIII	temperature range	to +85°C 1	temperature range	(With packing)	
Ratings	Rated	Max 10V	Operating	10% to 80%	Storage	65%RH	
	voltage	AC(RMS) or DC	humidity range	RH 2	humidity range	03%KH	

1) Including terminal temperature rise.

2) Storage area is to be free of corrosive gases and dew formation.

Items	Specifications	Conditions	
1. Contact resistance	100mΩ [Max.]	- Open circuit voltage: 20mV. - Test current: 10mA.	
2. Insulation resistance	1,000MΩ [Min.]	- Test voltage: 500V d.c. - Test time: 1 minute ± 5 seconds.	
3. Withstanding voltage	No flashover or dielectric breakdown	AC 500V for 1minute	
4. Tray insert force	1,000gf [Max.]	Insert the tray at a rate of 25±3 mm/min. (actual card used)	
5. Rod withdrawal force	- SIM1+SIM2 : 400~1200gf - SIM1+SD : 400~1300gf	 Press Rod with a pin. (Speed 25 mm/min) Measure the force at the third time when the actual use card is mounted. 	
6. Durability	 Check whether the SIM card terminal surface is split and the card terminal is short. contact resistance - Max 100mΩ Pin removal force (2,000 times) SIM1+SIM2 : 400~1200gf SIM1+SD : 400~1300gf 	 Attach and detach 500 times. Attach and detach 2,000 times. Reattach the 0.7T SD/SIM card tested in Sample No.2 and attach/detach an additional 3,000 times 	
7. Vibration	Discontinuity : 1.0 microsec. MAX.	 Acceleration : 50G (490%) Duration : 11ms Number of shocks : 3 both axial directions, 3 times each, 18 times in total Test voltage : 5V d.c. Test current : 1mA d.c. 	
8. Shock resistance	Discontinuity : 1.0 microsec. MAX.	On concrete : 1.8m Height, six axis 3 times, 150g total weight On tile : 0.1m Height, XYZ axis 3,500 times, 150g total weight	
9. Humidity	- MAX. Change from Initial contact resistance $40m\Omega$ MAX. - Insulation resistance : $100M\Omega$ Min	Temperature : 40°C±2°C Humidity : 90% ~ 95% Duration : 96hr	
10. Temperature cycle	- MAX. Change from Initial contact resistance 40mΩ MAX. - Insulation resistance : 100MΩ Min	- 40±3(°C) : 30 minutes → 85±2(°C) : 30 minutes, 96 cycles	
11. Solder heat resistance	 No have something wrong of push functions. No have deformation and fall off. No have something wrong outward appearance and structure. 	Reflow condition. (Refer to Reflow)	

Materials / Finish

Part	Materials	Finish	UL Regulation
Base	LCP	Black	UL94V-0
Terminal	Copper Alloy	Au-Pd , Ni plated	-
Cover	Stainless Steel	Ni plated	-
Switch	Copper Alloy	Au-Pd , Ni plated	-
Eject Rod	Stainless Steel	-	-
Lever	Stainless Steel	-	-





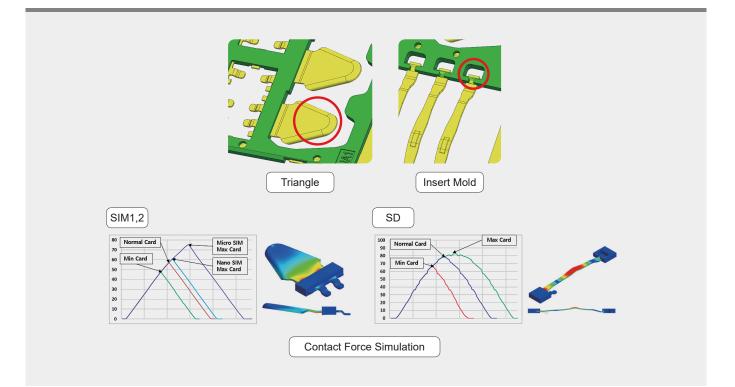
Applications | Mobile phone, Computer, Laptop, Medical equipment, Video recorder, Smart Car

FEATURES AND ADVANTAGES

- Minimum size Combo 3in2 (microSD & nano-SIM) Assembled Type Socket
 - Easy to manage inventory control
 - Easy to manage product solder twist (one assembly)



- SIM & SD Terminal deformation prevention structure
 - Strengthen contact stability
 - Improving product quality reliability



SOCKET

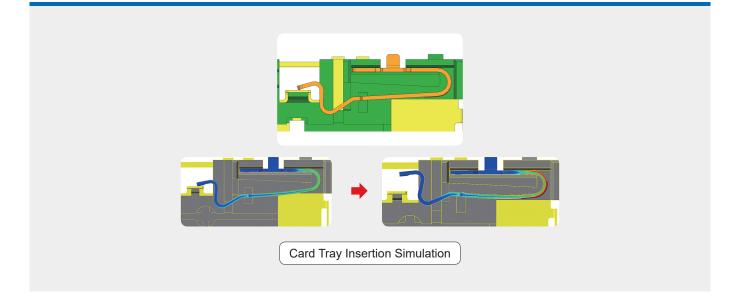
SIM and Memory Card Socket Connector

Applications | Mobile phone, Computer, Laptop, Medical equipment, Video recorder, Smart Car

FEATURES AND ADVANTAGES

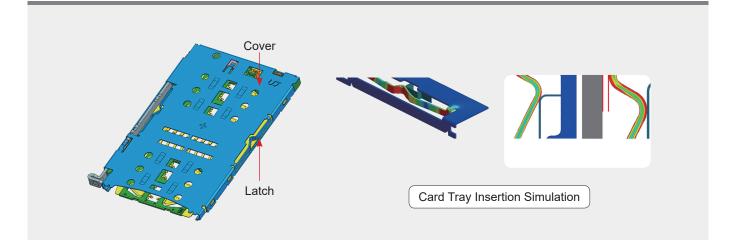
Switch y-axis ON-OFF structure

- Normal [CLOSE] \rightarrow Tray inserted [OPEN]
- Strengthen contact stability
- Improving product quality reliability



Cover & Latch all in one structure

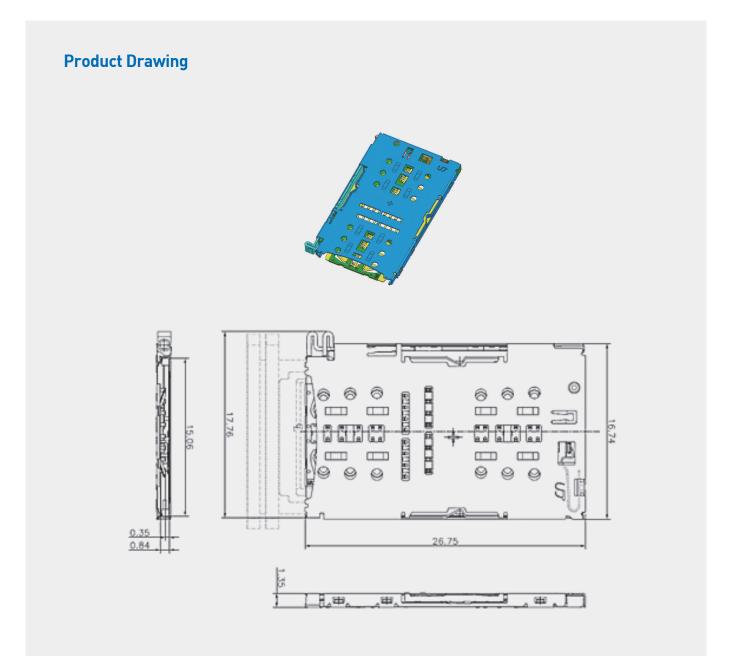
- Improving product strength
- Improving product quality reliability







Applications | Mobile phone, Computer, Laptop, Medical equipment, Video recorder, Smart Car



Applications | Mobile phone, Computer, Laptop, Medical equipment, Video recorder, Smart Car

Recommended PCB Dimensions 8.245 7.025 6.43 5.34 3.39 1.94 1.55 0.58 1.00 [PC8 out line] 0.40 1.10 1.00 0.87 0.87 0.70 0.55 0.55 2.90 0.55 2.90 2.07 3.67 26.515 26.675 26.60 7.70 3-0.70 Pitch1.10 8-0.70 22.45 21.55 18.525 8-0.50 5.455 0.55 6.79 0.55 .90 0.30 0.55 795 0//12 1.44 0.75 0.72 24-0.50 1.70 0.75 0.055 ROD working area. 0.75 Product out line 0.75 24-0 55 ∽PSR INK Coating area 1 735 1.295 2.60 7.07 0.225 0.665 6.395 7.51 8.245 8.245 RECOMMENDED P.C.B LAYOUT (FRONT VIEW) TOLERANCE : ± 0.05 (🖂) No trace / No VIA (No signal / No ground) Recommend metal mask is thickness 0.1mm with aperture ratio 150% for soldering. (메탈마스크 권장 두께는 0.1mm, 개구율은150%) [NANO SIM CARD PIN-MAP] [micro SD CARD PIN-MAP] Pin No. Description Pin No. Description #1 DAT2 VCC #2 CD/DAT3 C2-1 C2-2 RST #3 CMD C3-1 C3-2 CLK #4 VDD C5-1 C5-2 GND #5 CLK C6-1 C6-2 VPP #6 VSS C7-1 C7-2 I/O #7 DATO #8 DAT1 G1~G10 GND or NOT CONNECT s/w GROUND TRAY D/T TRAY DETECTOR [TIMING SEQUENCE] ~ o-OPEN SITUATION WHEN TRAY INSERTED NORMAL CLOSED SITUATION WHEN TRAY DISERT FIRST TIME. DETECT SWITCH

