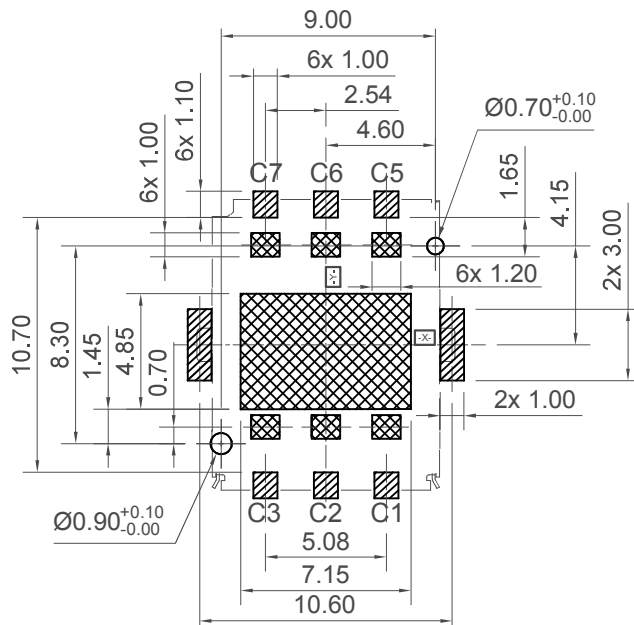
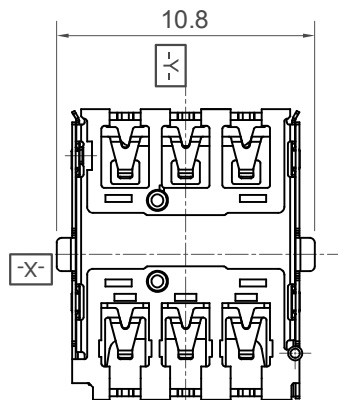
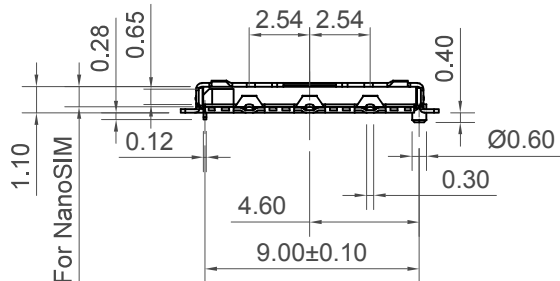


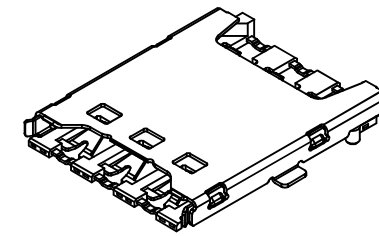
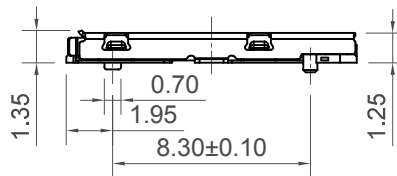
Section A-A



**Recommended PCB Layout**

As viewed from component side General Tolerance  $\pm 0.05$   
Locating peg holes only applicable to locating peg version

▨ Solder Area ▩ Keep Out Area □ Component Outline



**Specification**

**Material**

Plastic Housing: LCP 30%GF, UL94V-0, Black  
Contact Terminal: Phosphor Bronze, T=0.12mm  
Cover: SUS301-H, T=0.15mm

**Plating:**

Contact Terminal:  
Contact Area:  $3\mu^2$  Gold  
Solder area: Gold Flash  
Underplating: Ni overall  $50\mu^2$  min.  
Cover: Ni overall  $50\mu^2$  min.

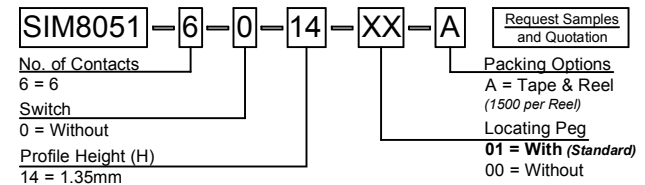
**Electrical**

Voltage Rating: 30V max.  
Current Rating: 0.5A max.  
Dielectric Withstanding Voltage: 100V AC (60 Sec min.)  
Insulation Resistance: 1000 M $\Omega$  min.  
Contact Resistance: 100 m $\Omega$  max.

**Mechanical & Environmental**

Operating Temperature: -40°C to +85°C  
Durability: 1500 cycles

**Ordering Grid**

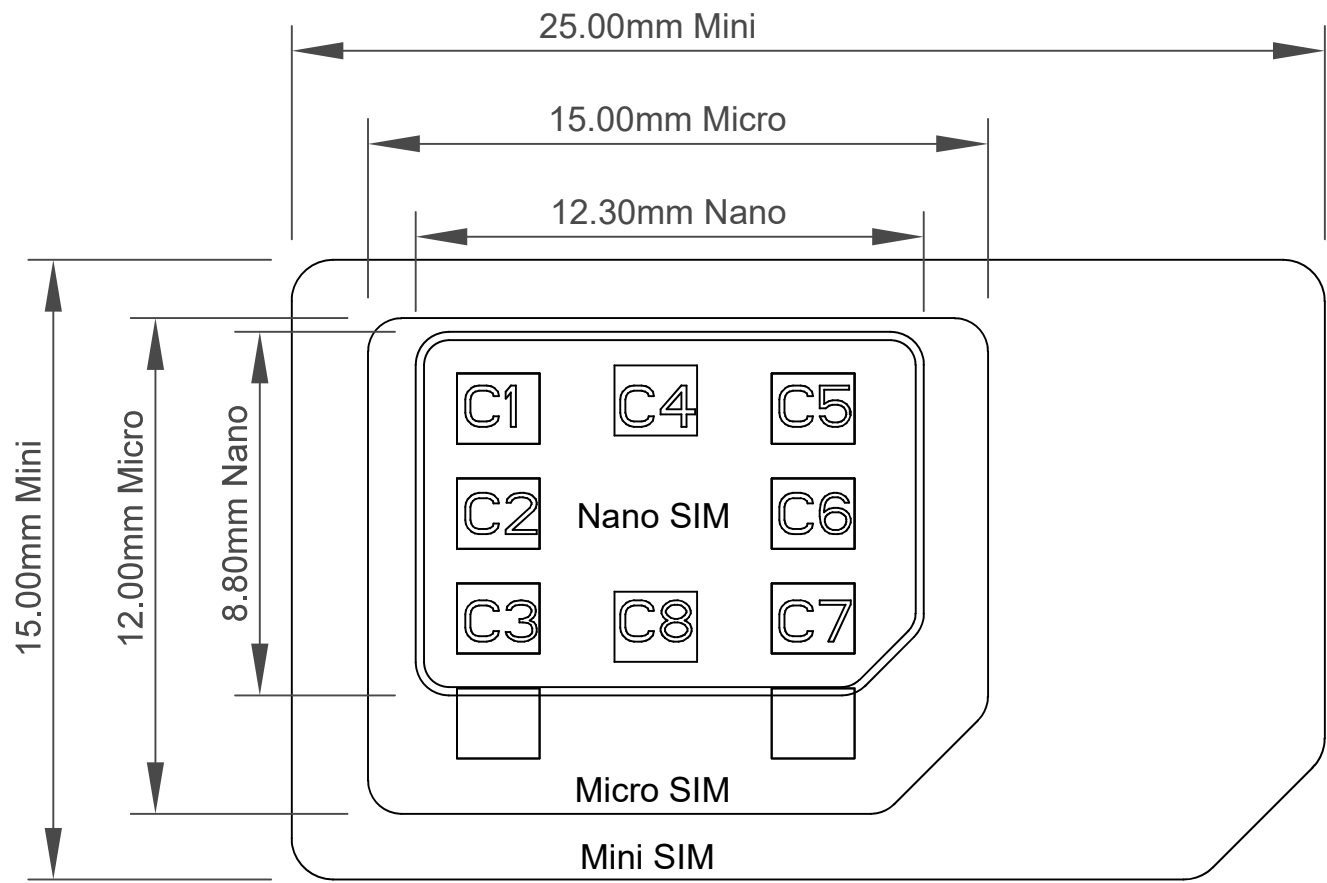


Part Number		Product Description	
SIM8051		Nano SIM Card Connector	
Drawing Date		Push-Pull Type, 6 Pin, SMT, Profile 1.35mm	
28th April 2015			
By	CC	Tolerances (Except as Noted)	Units:
Detail	SIM8051	Length	Metric (mm)
Revision	D PCN	X. $\pm 0.35$	
Date	22/01/21	X.X $\pm 0.25$	
		X.XX $\pm 0.15$	
		X.XXX $\pm 0.10$	

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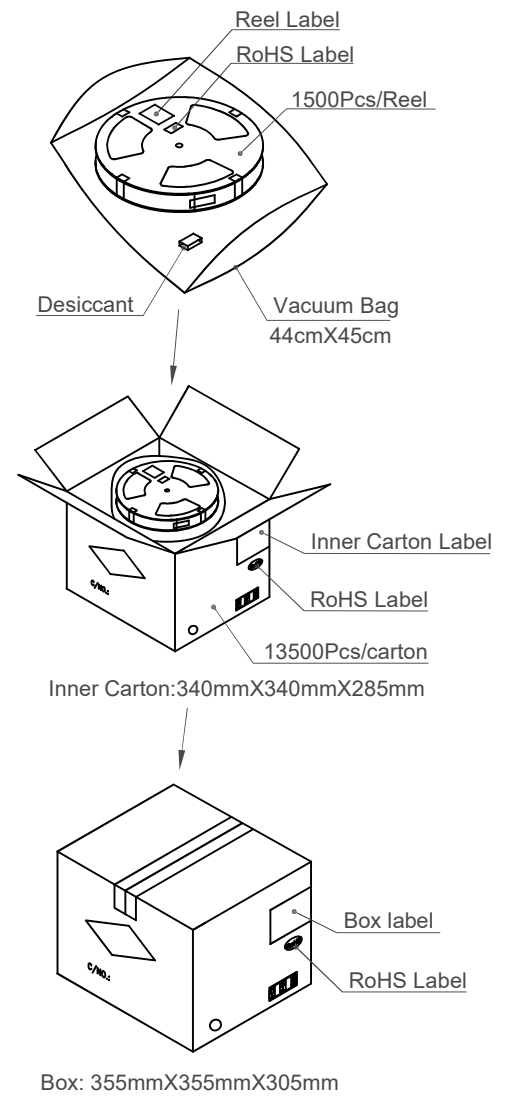
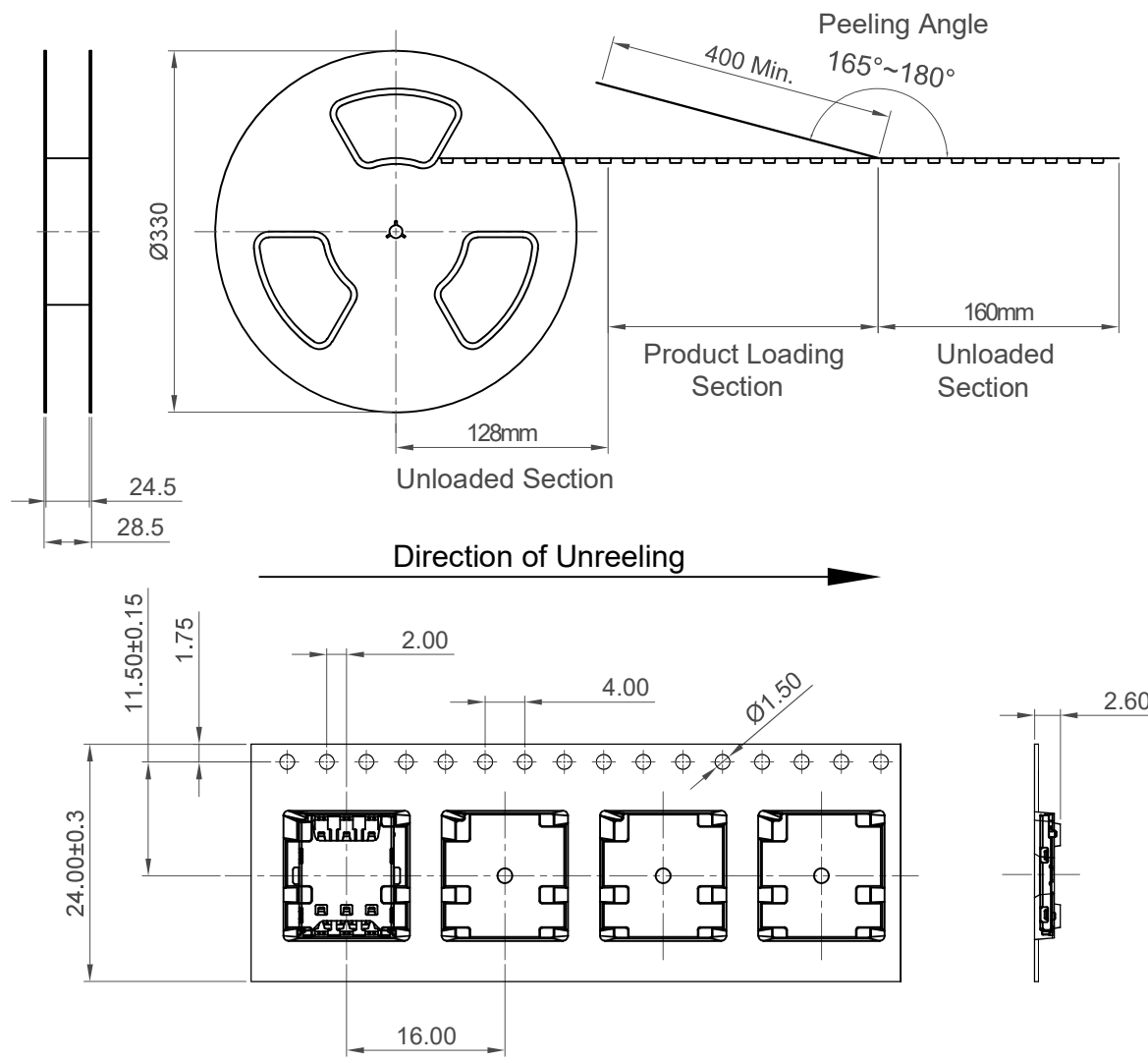
Not to Scale Drawn By AJO Sheet No. 1/3



- C1---->VCC
- C2---->RST
- C3---->CLK
- C5---->GND
- C6---->Vpp
- C7---->I/O

# Reference




Part Number		SIM8051		Product Description		Nano SIM Card Connector	
Drawing Date		28th April 2015		Units:		Metric (mm)	
By		CC		Tolerances (Except as Noted)		 This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE	
Detail		SIM8051 D PCN		Length		 3rd Angle Projection	
Revision		D5		Angle		All ± 2°	
Date		22/01/21		X. ± 0.35		 <a href="http://www.gct.co">www.gct.co</a>	
				X.X ± 0.25		Not to Scale	
				X.XX ± 0.15		Drawn By	
				X.XXX ± 0.10		AJO	
						Sheet No.	
						2/3	



Notes:  
Peeling off force of top tape: 0.1-1.3N (Peeling direction as shown)

Materials:  
Carrier Tape: Polystyrene (PS)  
Top Tape: PE  
Reel Tape: Polystyrene (PS)  
Vacuum Bag: PE

Products P/N	Pcs / Reel	Reels/Carton	Reels/Carton
SIM8051	1500	9	13500

Part Number SIM8051		Product Description Nano SIM Card Connector		 <a href="http://www.gct.co">www.gct.co</a>
Drawing Date 28th April 2015		Push-Pull Type, 6 Pin, SMT, Profile 1.35mm		
By CC	Tolerances (Except as Noted) Length Angle	Units: Metric (mm)	This drawing is confidential and copyright of Global Connector Technology Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE	
Detail SIM8051 D PCN		 		
Revision D5				
Date 22/01/21				
				Not to Scale Drawn By AJO Sheet No. 3/3