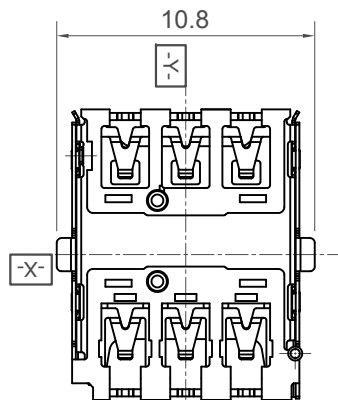
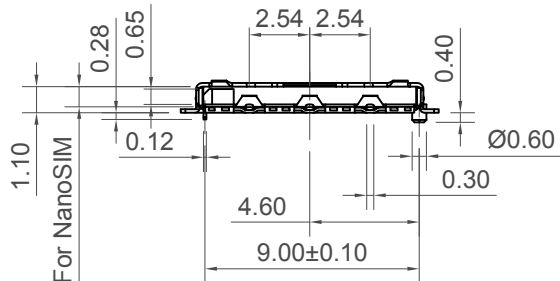
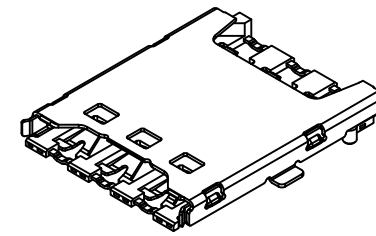


Section A-A



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



**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:  $3\mu$  Gold  
 Solder area: Gold Flash  
 Underplating: Ni overall  $50\mu$  min.  
 Cover: Ni overall  $50\mu$  min.

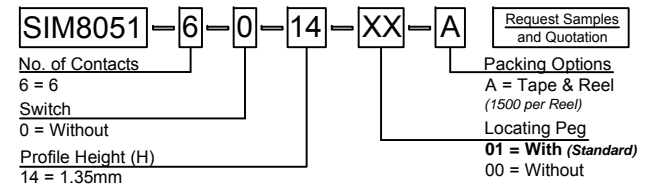
**Electrical**

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**



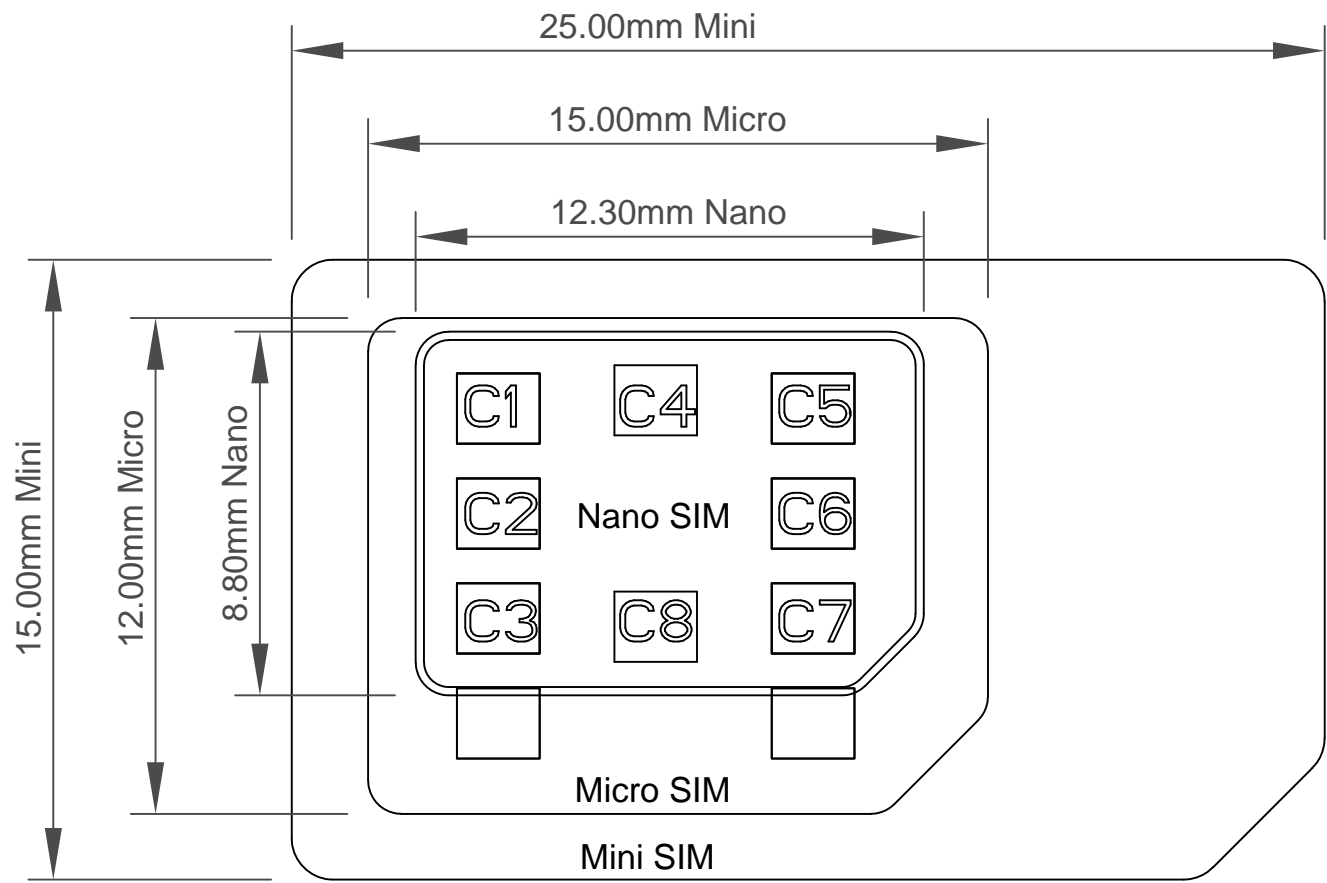
Part Number		Product Description	
SIM8051		Nano SIM Card Connector	
Drawing Date		Push-Pull Type, 6 Pin, SMT, Profile 1.35mm	
28th April 2015			
By	CC	Tolerances (Except as Noted)	Units:
Detail	SIM8051 D PCN	Length X. $\pm 0.35$ X.X $\pm 0.25$ X.XX $\pm 0.15$ X.XXX $\pm 0.10$	Metric (mm)
Revision	D5	Angle	All $\pm 2^\circ$
Date	22/01/21	3rd Angle Projection	



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Not to Scale	Drawn By AJO	Sheet No. 1/3
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- C1----->VCC
- C2----->RST
- C3----->CLK
- C5----->GND
- C6----->Vpp
- C7----->I/O

# Reference

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 D PCN	Length X. ± 0.35	Metric (mm)
Revision	D5	Angle X.X ± 0.25	
Date	22/01/21	X.XX ± 0.15	All ± 2°
		X.XXX ± 0.10	



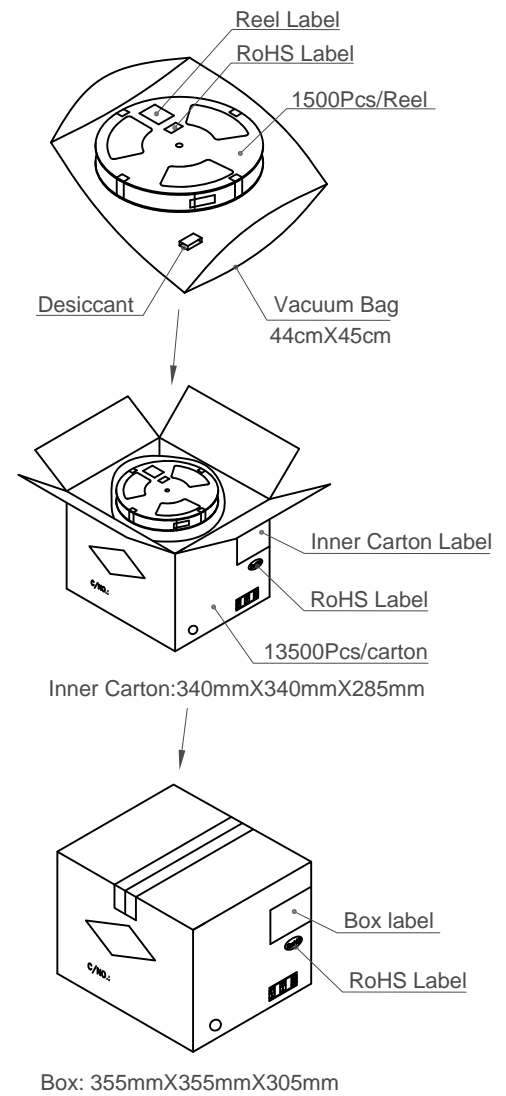
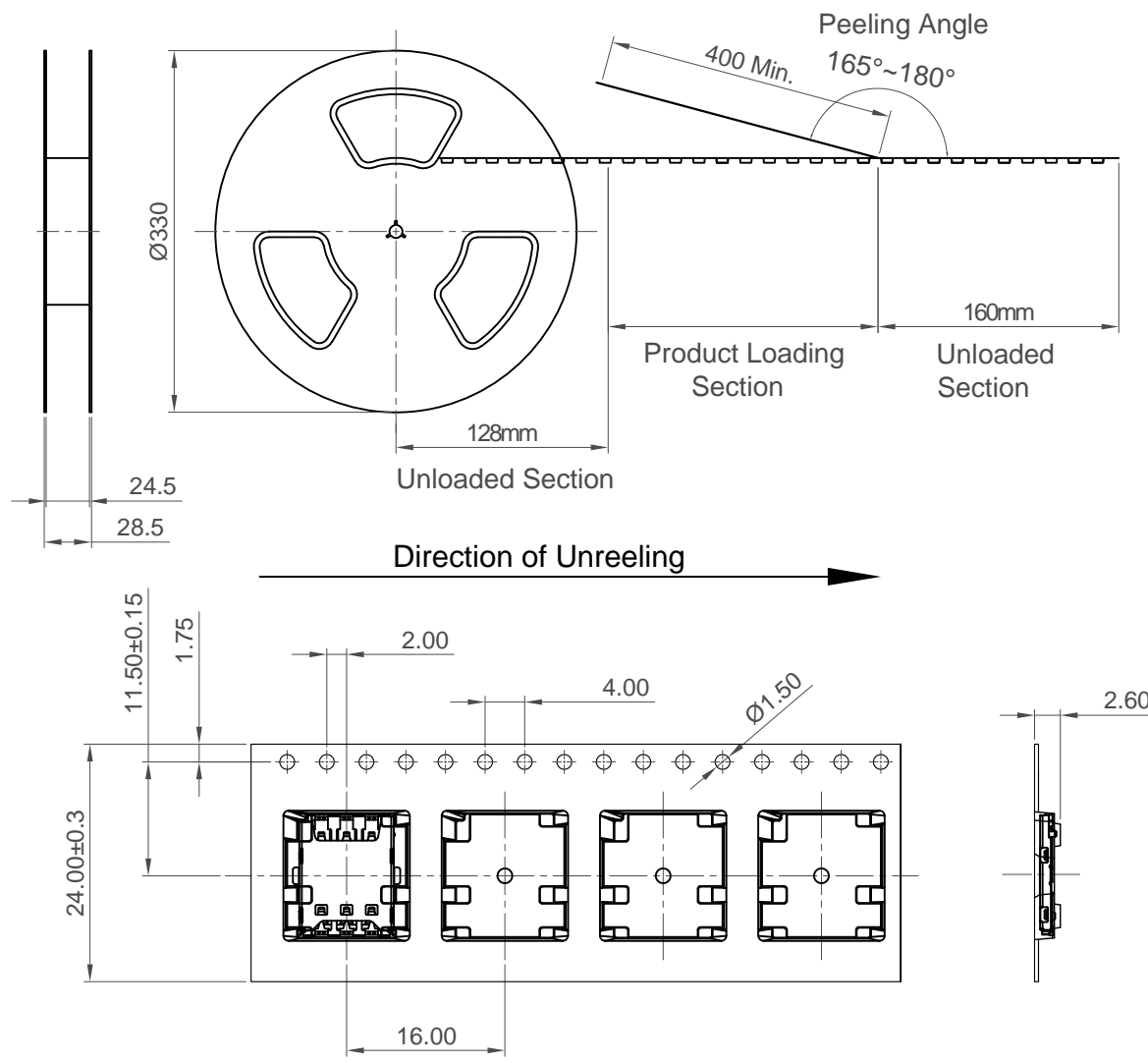
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Not to Scale	Drawn By AJO	Sheet No. 2/3
--------------	-----------------	------------------

H  
G  
F  
E  
D  
C  
B  
A

1 2 3 4 5 6 7 8



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 Push-Pull Type, 6 Pin, SMT, Profile 1.35mm	
Drawing Date 28th April 2015			
By CC	Tolerances (Except as Noted) Length	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	Angle	3rd Angle Projection	
Revision D5			
Date 22/01/21			
		 <a href="http://www.gct.co">www.gct.co</a>	
		Not to Scale	Drawn By AJO Sheet No. 3/3

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