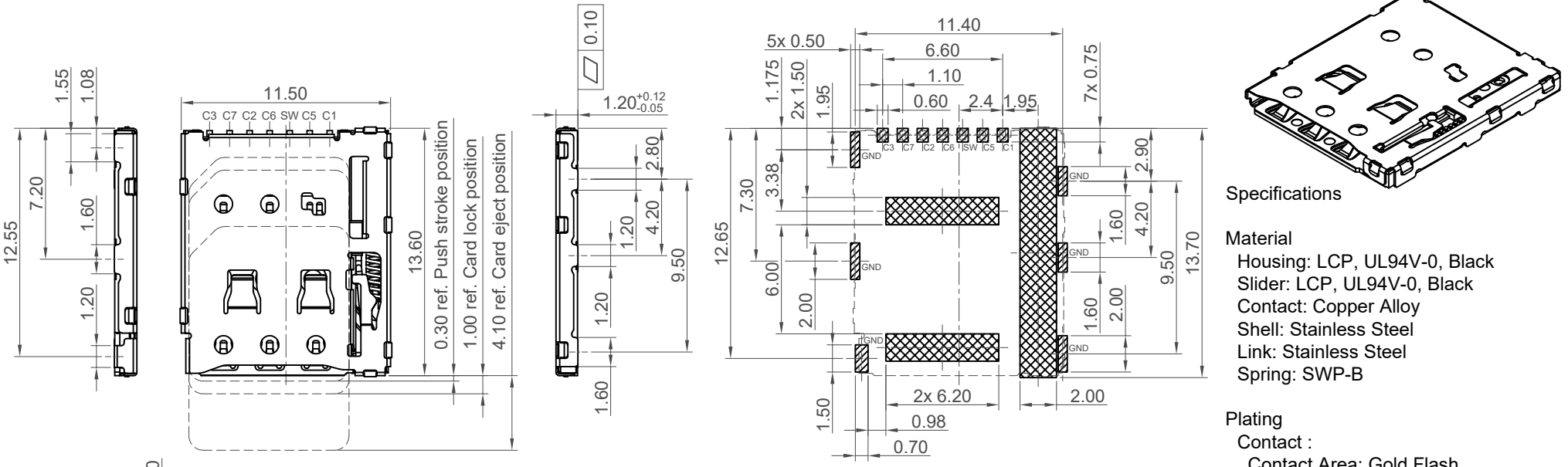

Recommended PCB Layout

(Viewed from Component Side - Tolerance:±0.05mm)

Solder Area Keep Out Area Component Outline

Circuit Diagram for Card Detect Switch

Card Inserted	Without Card (Normally Open)
SW — C5	SW — C5

Ordering Grid

SIM8075 — 6 — 1 — 12 — 00 — A

Request Samples and Quotation

- No. of Contacts: 6
- Switch: 1 = With
- Profile Height: 12 = 1.20mm
- Locating Peg: 00 = Without
- Packing Options: A = Tape & Reel *(1600pcs per reel)*

Specifications

Material
- Housing: LCP, UL94V-0, Black
- Slider: LCP, UL94V-0, Black
- Contact: Copper Alloy
- Shell: Stainless Steel
- Link: Stainless Steel
- Spring: SWP-B

Plating
- Contact :
  - Contact Area: Gold Flash
  - Solder Tail: Gold Flash
  - Underplating: 50µ" min. Nickel
- Shell:
  - Solder Tail: Gold Flash
  - Underplating: 30µ" min. Nickel
- Link: Clear
- Spring: Nickel

Electrical
- Voltage Rating: 30V AC/DC
- Current Rating: 0.5A
- Contact Resistance:
  - Signal contact: 100 mΩ Max.
- Dielectric Withstanding Voltage:
  - 500V AC (60 Sec Min.)
- Insulation Resistance:
  - 1000 MΩ Min.@500V DC

Mechanical & Environmental
- Operating Temperature: -40°C to +75°C
- Durabillity : 5,000 cycles

Part Number	Product Description
SIM8075	Nano SIM Card Connector Push-Push Type, SMT, 6Pin, 1.20mm Profile
Drawing Date: 15th December 2025	

By	KY	Tolerances (Except as Noted) Length	Angle	Units: Metric (mm)
Detail	Drawing Release	X.X ± 0.30	± 2°	3rd Angle Projection
Revision	A	X.XX ± 0.20		
Date	15/12/25	X.XXX ± 0.10		

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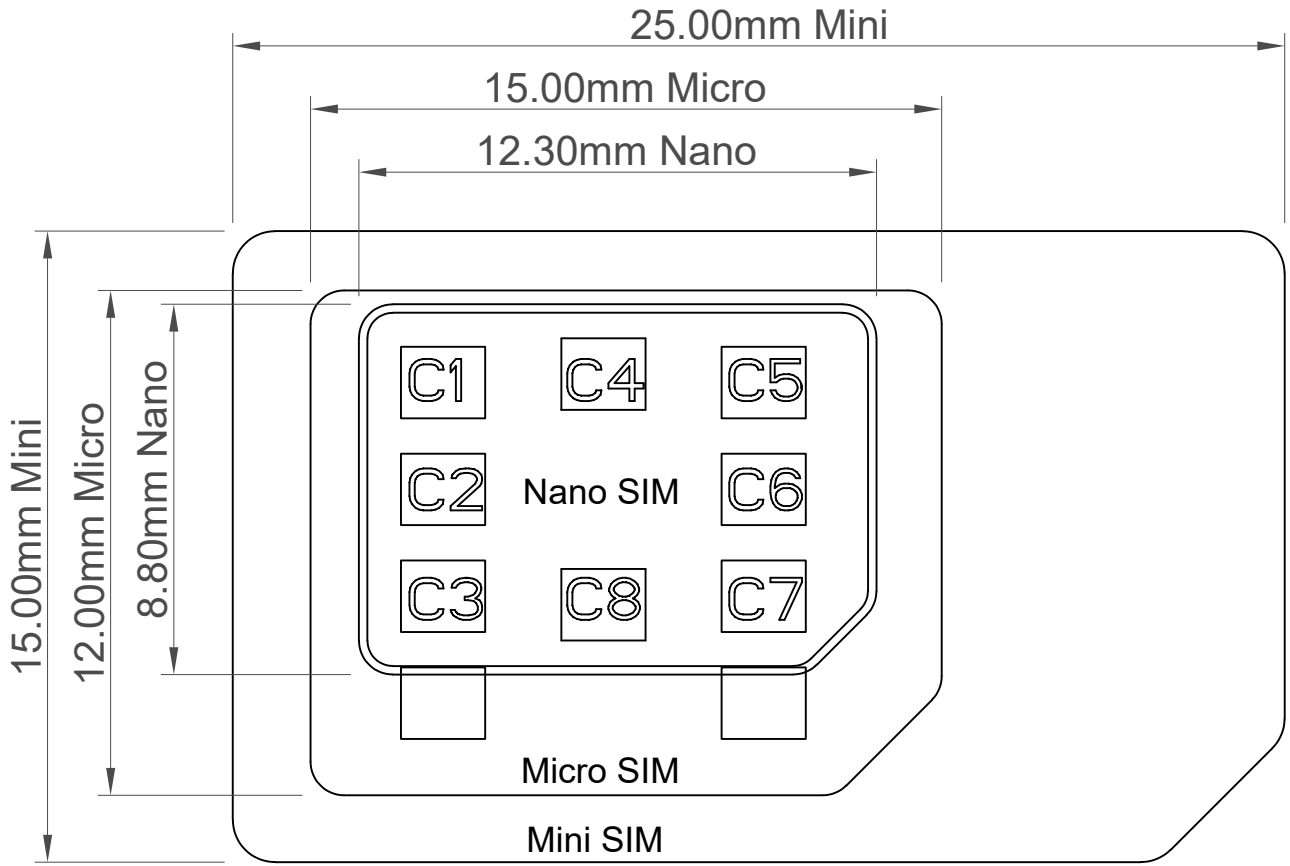
GCT www.gct.co

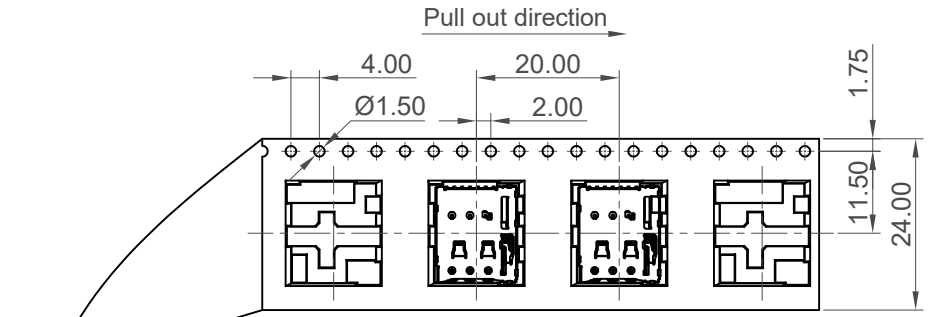
Not to Scale	Drawn By KY	Sheet No. 1/3

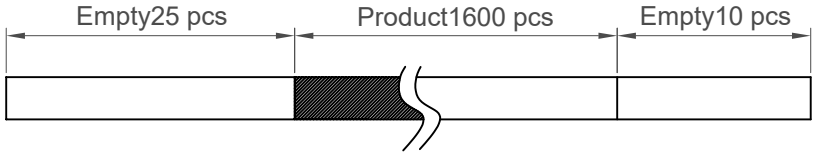


C1----->VCC
C2----->RST
C3----->CLK
C5----->GND
C6----->Vpp
C7----->I/O

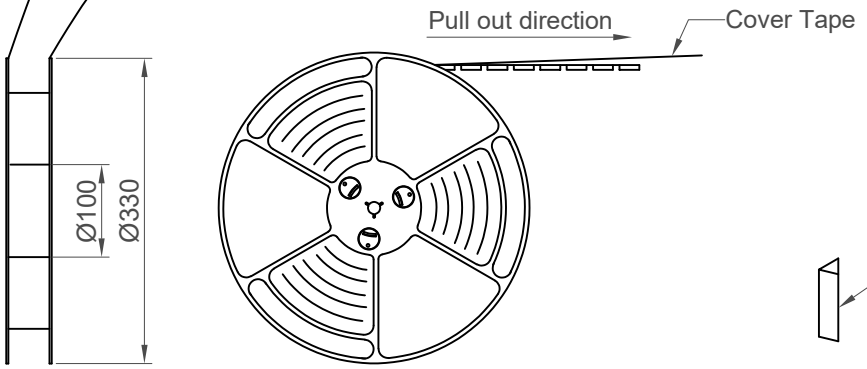
Reference

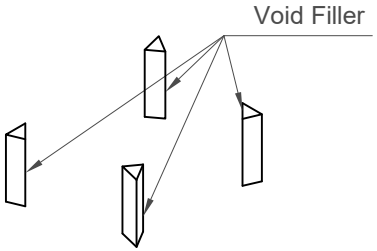
Part Number: SIM8075		Product Description: Nano SIM Card Connector Push-Push Type, SMT, 6Pin, 1.20mm Profile					
Drawing Date: 15th December 2025							
By	KY	Tolerances (Except as Noted) Length: X.X ± 0.30, X.XX ± 0.20, X.XXX ± 0.10	Angle: ± 2°	Units: Metric (mm)	RoHS COMPLIANT 2011/65/EU Deca-BDE	© 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	www.gct.co
Detail	Drawing Release			3rd Angle Projection			Not to Scale / Drawn By KY / Sheet No. 2/3
Revision	A						
Date	15/12/25						

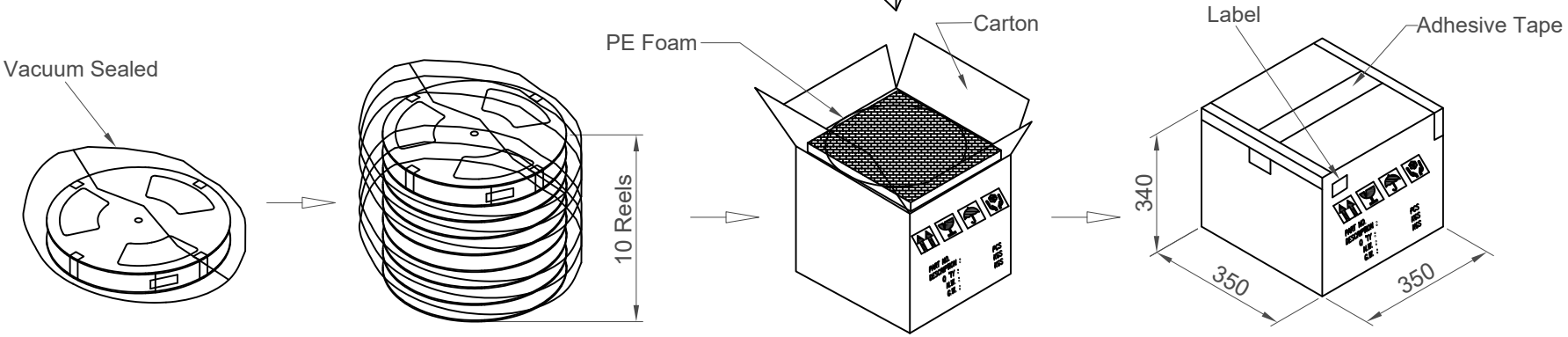




Pcs/Reel	Reels/Carton	Pcs/Carton
1600	10	16000







Part Number	Product Description
SIM8075	Nano SIM Card Connector Push-Push Type, SMT, 6Pin, 1.20mm Profile
Drawing Date	
15th December 2025	

By	KY	Tolerances (Except as Noted) Length	Angle	Units: Metric (mm)	RoHS COMPLIANT 2011/65/EU Deca-BDE	©	www.gct.co
Detail	Drawing Release	-	-	3rd Angle Projection		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	Not to Scale / Drawn By KY / Sheet No. 1/3
Revision	A						
Date	15/12/25						