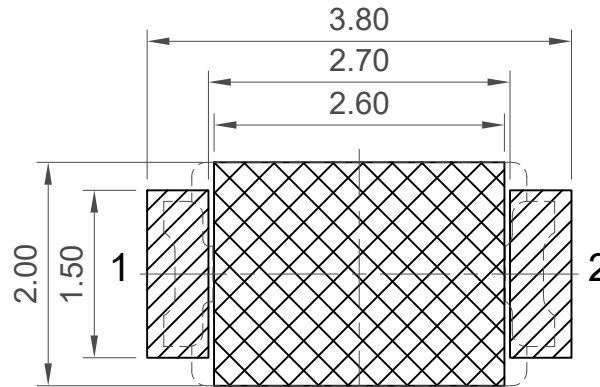
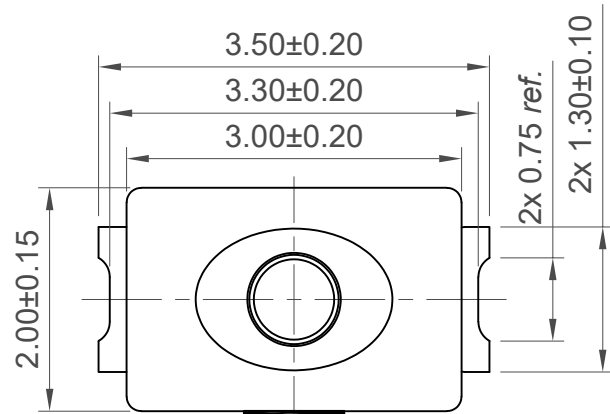
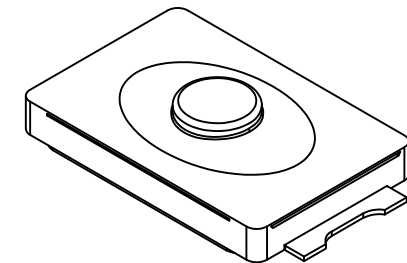




Recommended PCB Layout

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

Solder Area Keep Out Area Component Outline



Specifications

Material

Housing: PPA, Black
Button: PA, Black
Terminal: Phosphor Bronze
Contact: Stainless Steel
Cover: PA, Translucent

Plating

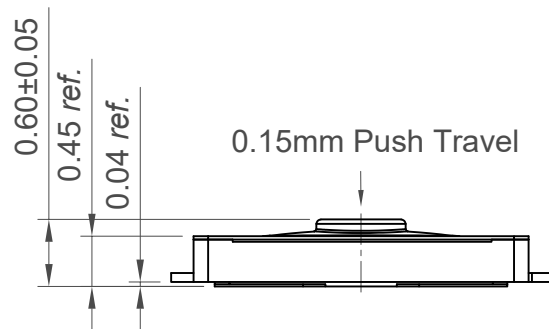
Terminal: Silver Plated
Contact: Silver Plated

Electrical

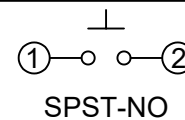
Voltage & Current rating:
12V DC, 50mA Max.
2V DC, 10uA Min.
Contact Resistance: 500mΩ Max.
Dielectric Withstanding Voltage: 250V AC
Insulation Resistance: 50MΩ Min

Mechanical & Environmental

Operating Temperature: -40°C to +85°C
Operating Force: 160±40gf
Travel: 0.15±0.05mm
Durability: 300000 cycles
Ingress Protection Rating: IP67
Solder Tails Co-planarity: 0.10mm Max.



Circuit Diagram



Ordering Grid

SWT7016 - 0060 16 S S A

Profile Height
0060 = 0.60mm

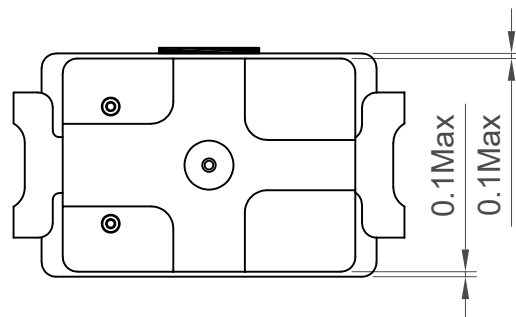
Operating Force
16 = 160±40gf

Lead Type
S = SMT

Request Samples
and Quotation

Packing Options
A = Tape & Reel
(10000pcs per reel)

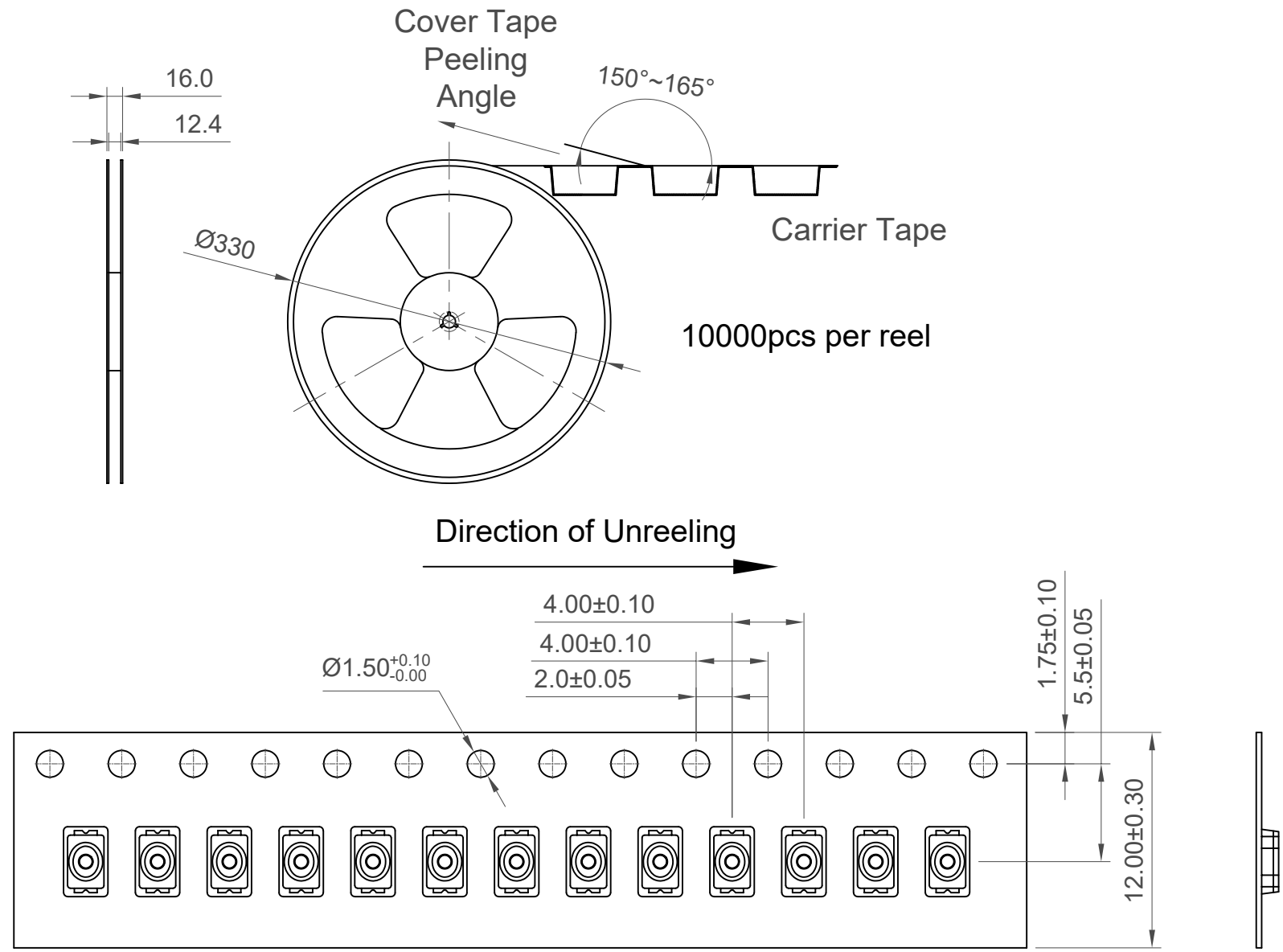
Contact Plating
S = Silver



Part Number SWT7016			Product Description Tactile Switch, 3.0 x 2.0mm, Top Actuated, SMT, SPST- NO, IP67		
Drawing Date 25th April 2025					
By CC	Drawing Release	Tolerances (Except as Noted) Length X.XX ± 0.20 X.XXX ± 0.10	Angle -	Units: Metric (mm)	RoHS COMPLIANT 2011/05/UE
Detail	A	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	
Revision	25/04/25			Not to Scale	
Date				Drawn By CC	
				Sheet No. 1/2	

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H
G
F
E
D
C
B
A



Part Number		Product Description				 www.gct.co Not to Scale Drawn By CC Sheet No. 2/2
SWT7016		Tactile Switch, 3.0 x 2.0mm, Top Actuated, SMT,				
Drawing Date		SPST- NO, IP67				
25th April 2025						
By	CC	Tolerances (Except as Noted)		Units:	 RoHS COMPLIANT 2011/65/EU Deca-SIDE  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	Drawing Release	Length	Angle	Metric (mm)		
Revision	A	-	-	 3rd Angle Projection		
Date	25/04/25	-	-			