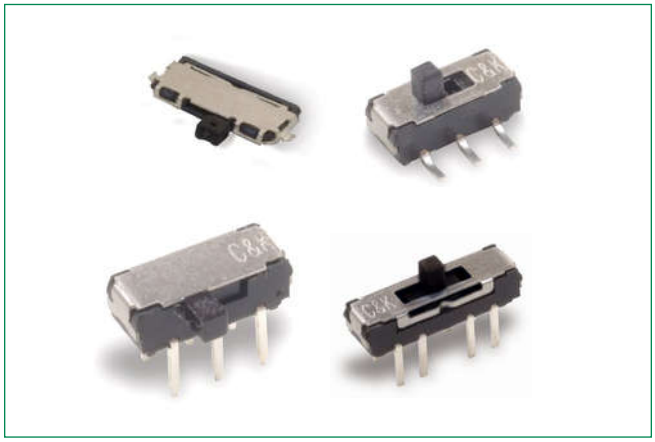
JS Series
Sub-Miniature Slide Switches



Description

Designers of telecommunication products, computer peripherals, thermostat select switches, and other various instrumentations need a switch that's low-profile while still performing at a high level. The JS series sub-miniature slide switches feature positive detent, an IR reflow to 260° solder profile, surface and thru hole mounting – and are available in SPDT, DPDT and DP3T models.

Features & Benefits

- Positive detent
- Low profile
- IR reflow to 260° solder profile
- Surface and thru hole mounting
- SPDT, DPDT, DP3T models
- RoHS compliant

Applications

- Telecommunication products
- Computer peripherals
- Thermostat select switch
- Instrumentation
- Medical

Specifications

Contact Rating	0.3A @ 6VDC or 0.1A @ 30VDC
Electrical Life	5,000 make-and-break cycles
Contact Resistance	70 m Ω max.
Insulation Resistance	100 M Ω min. @ 500V
Dielectric Strength	500 VAC min. @ sea level
Operating Temperature	-40°C to 85°C
Storage Temperature	-40°C to 85°C

Materials

Housing	4/6 nylon, black
Actuator	4/6 nylon, black (some options white)
Contacts	Copper alloy, silver or gold plated
Terminals	Brass, silver or gold plated

Notes: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

Ordering Number

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.

JS - xxxx - xx - xx - x - N - x

Switch Function
1020: SPDT
2020: DPDT
2030: DP3T
2070: DP3T, Mom.
(Termination C, SC & JC only)

Sequence Number
11: Standard
00: Available for JS102000SAQN only

Termination
A: Right Angle, PC Thru-hole
C: Vertical, PC Thru-hole
SA: Right Angle, Gullwing (JS10 model only)
SC: Vertical, Gullwing
JA: Right Angle, J Bend
JC: Vertical, J Bend

Contact Material
Q: Silver
B: Gold

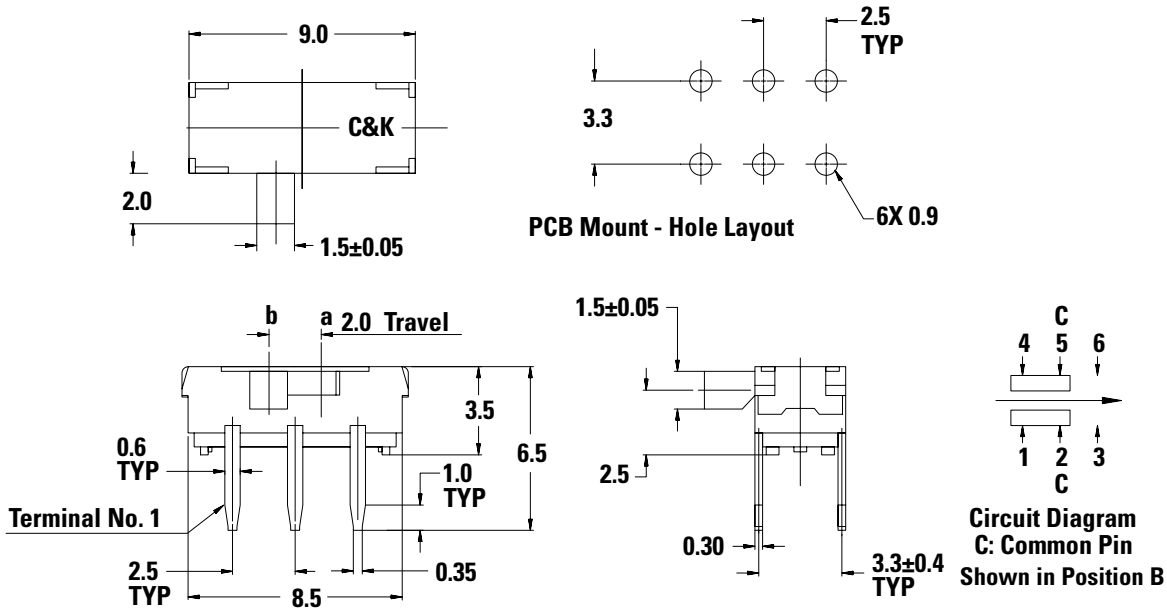
Non-Shorting
N: Non-shorting

NONE: Non-Momentary
R: Momentary on the right
L: Momentary on the left

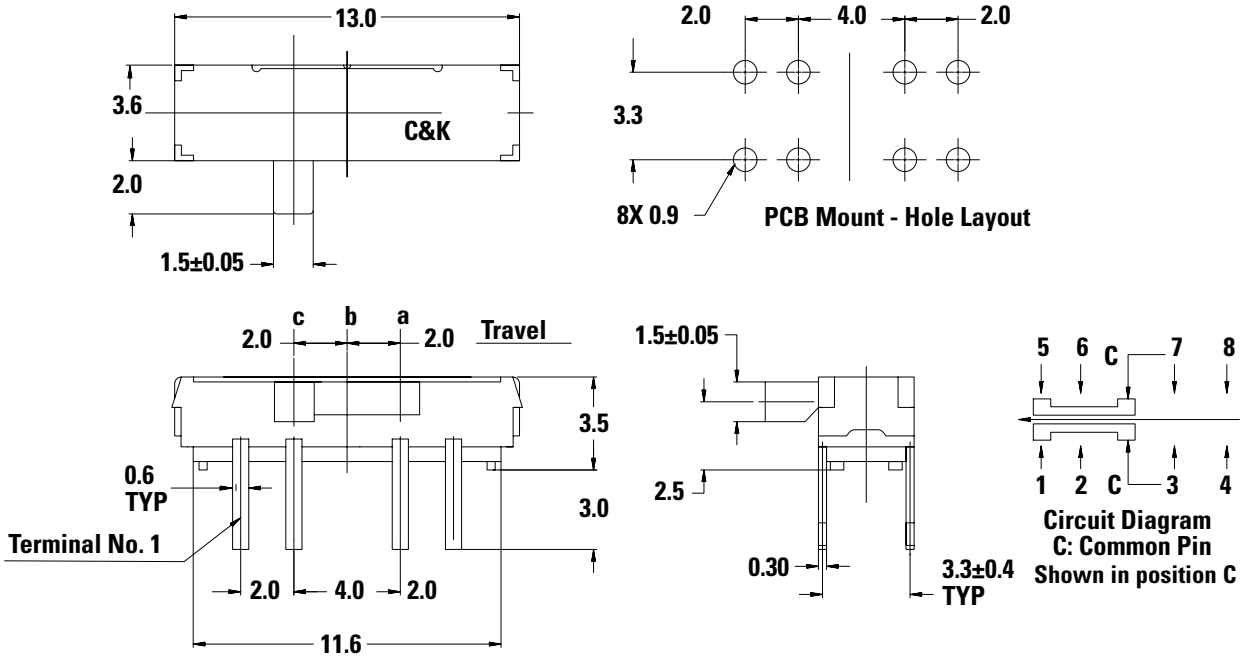
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Revised: CM.08/27/24

Right Angle, PC Thru-hole

JS202011AQN DPDT Shown in Position B



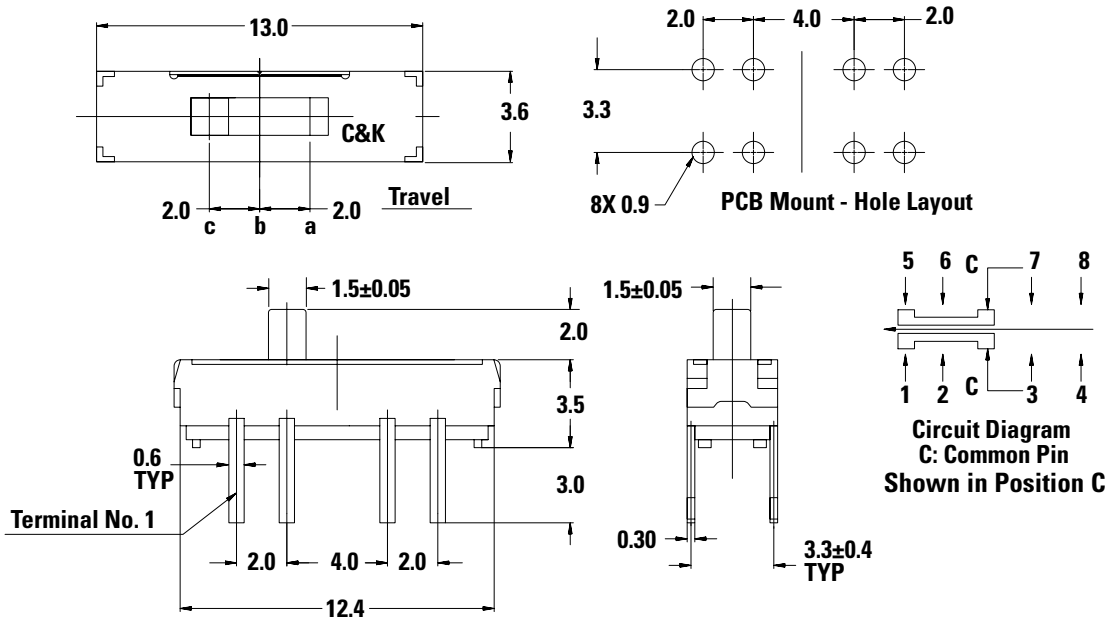
JS203011AQN DP3T Shown in Position B



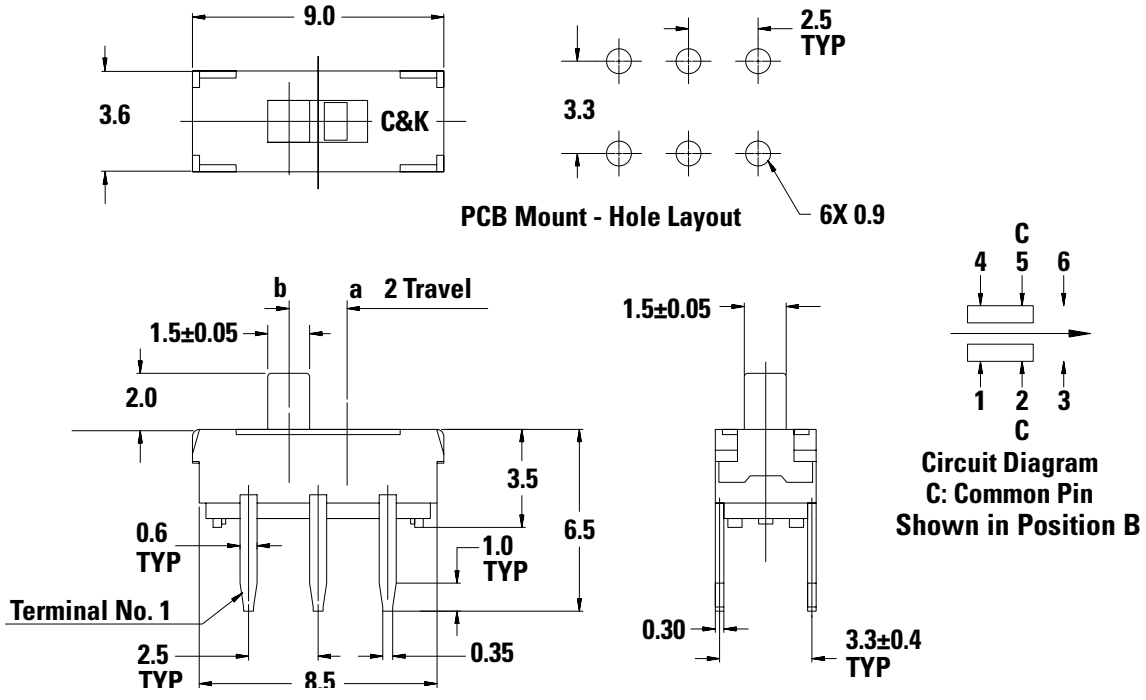
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PC Thru-hole

JS203011CQN DP3T Shown in Position B



JS202011CQN DPDT Shown in Position A

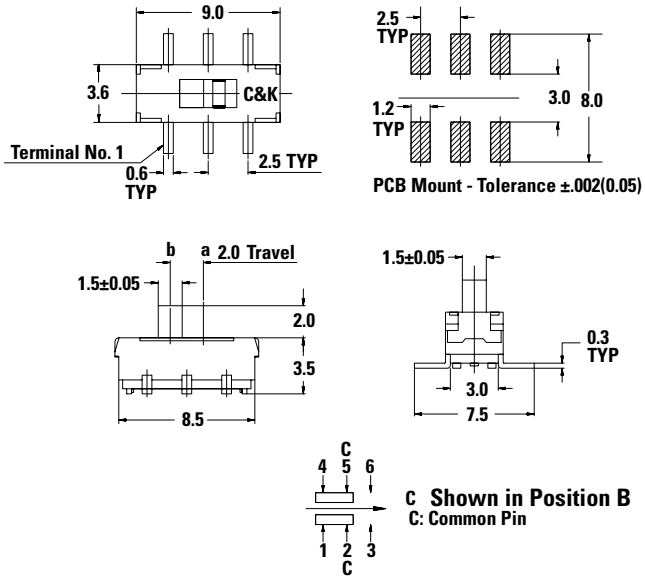


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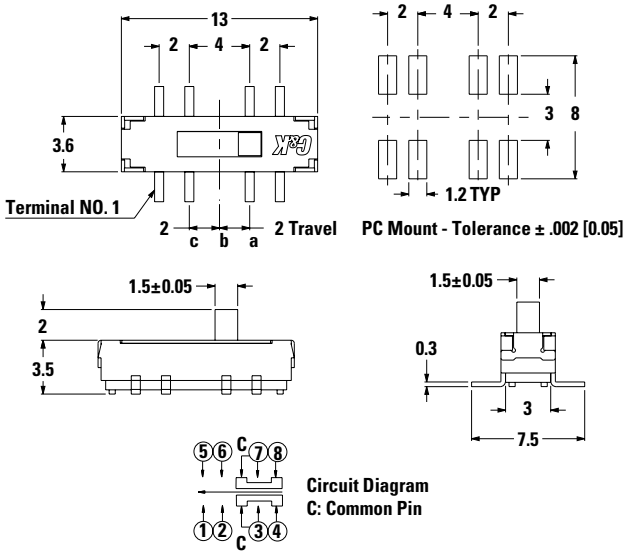
JS Series
Sub-Miniature Slide Switches

Surface Mount

JS202011SCQN DPDT Shown in position B. Quantity per reel 1000. Available in tape & reel only

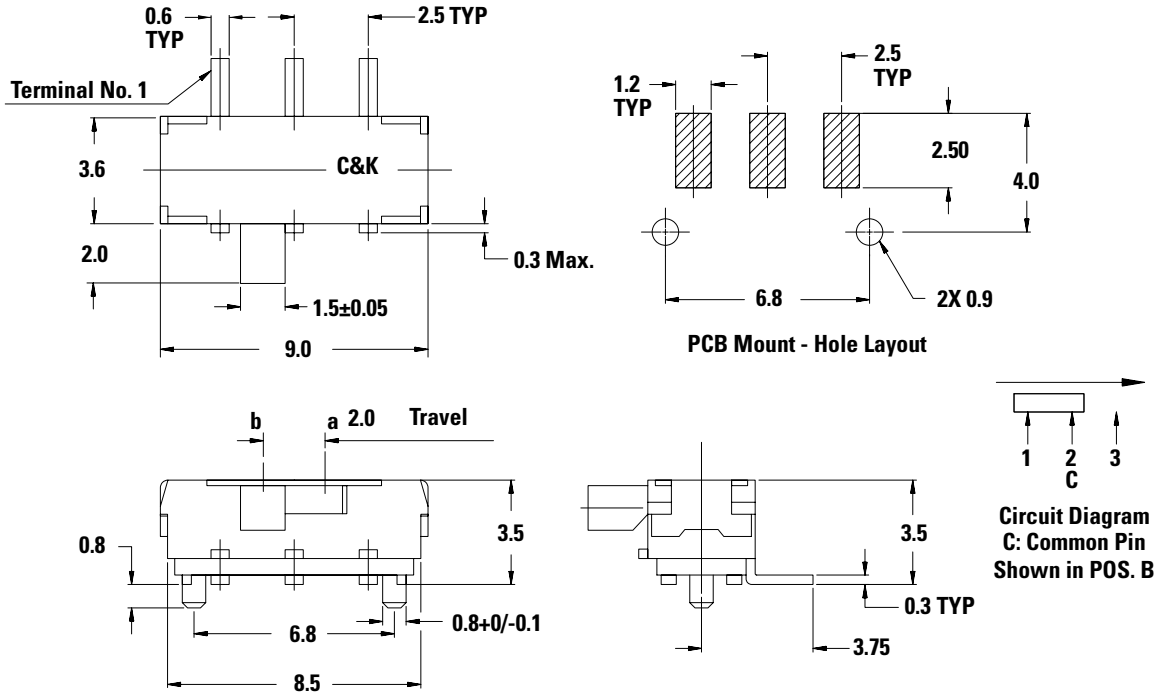


JS203011SCQN DP3T Quantity per reel 900. Available in tape & reel only



Right Angle Surface Mount

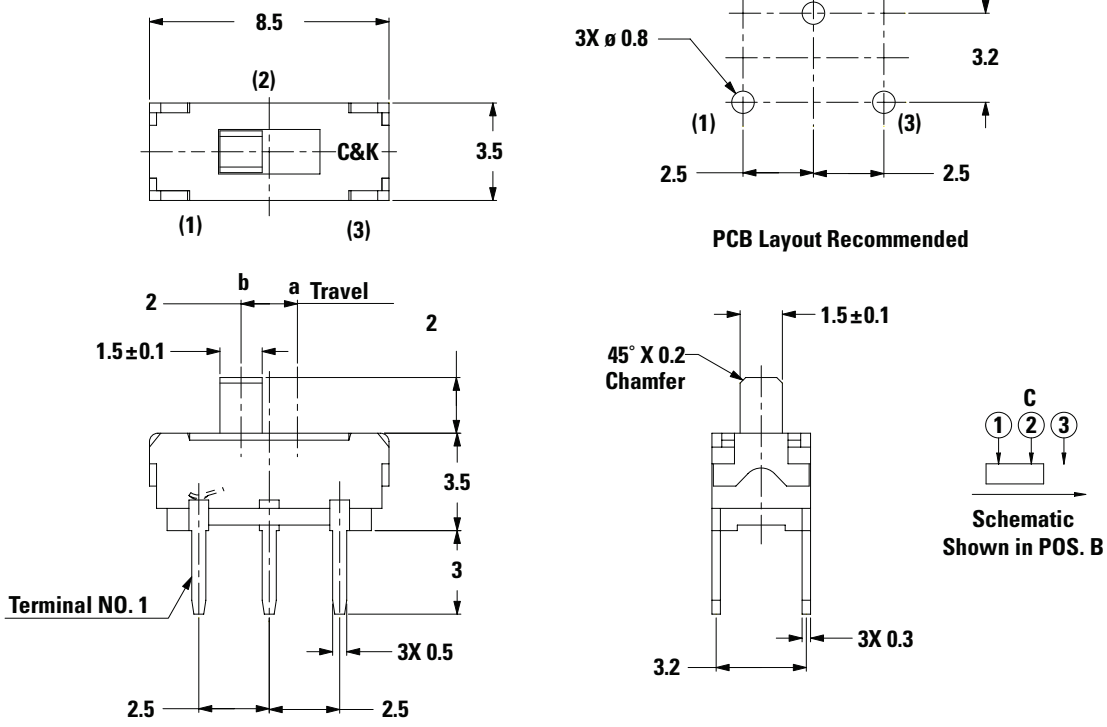
JS102011SAQN SPDT Shown in position A. Available in tape & reel only



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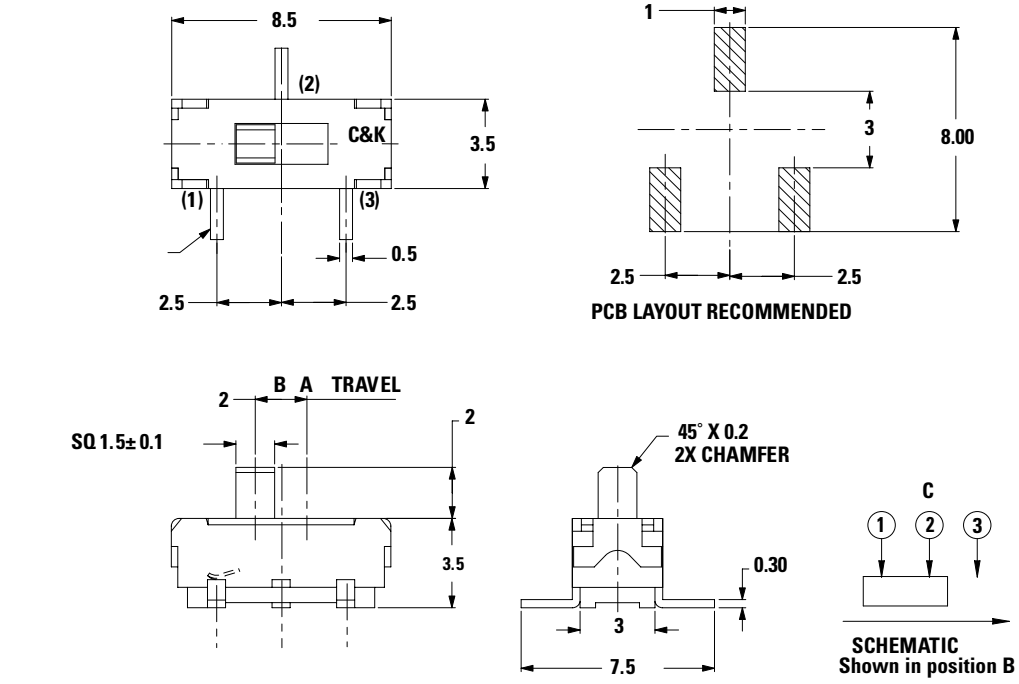
PC Thru-hole

JS102011CQN SPDT Shown in position A.



Surface Mount

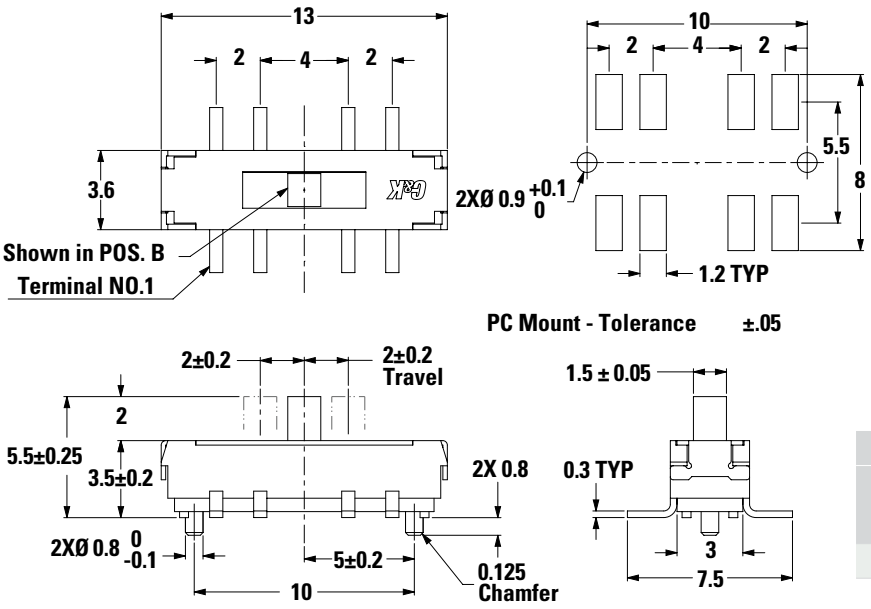
JS102011SCQN SPDT

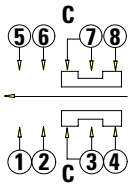


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JS Series
Sub-Miniature Slide Switches

Surface Mount
JS207011SCQNR DP3T Shown in position B.





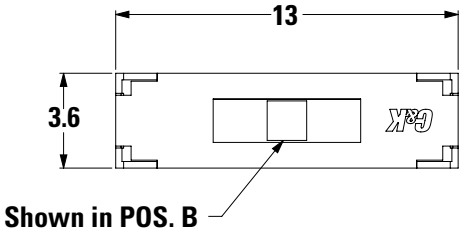
Circuit Diagram
C: Common Pin
Bottom View

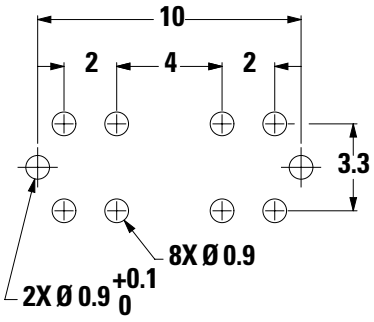
Switch Function		
POS.C C&K	POS.B C&K	POS.A C&K
(MOM)	On	
Connected Terminals		
1-3, 5-7	2-3, 6-7	3-4, 7-8

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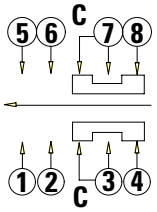
JS Series
Sub-Miniature Slide Switches

PC Thru-hole
JS207011CQNR DP3T shown in position B

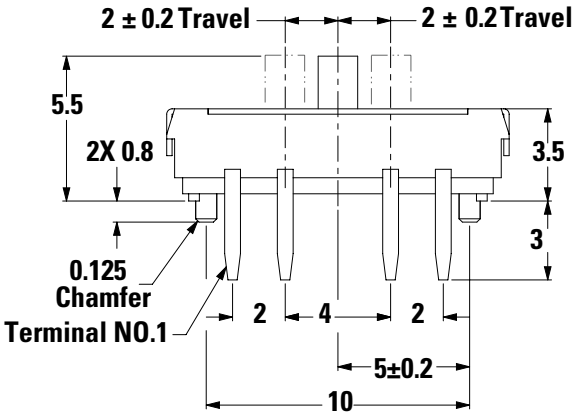


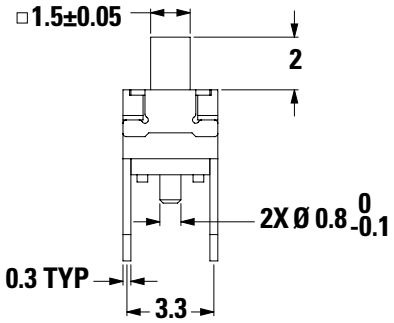


PC Mount - Tolerance ± .05



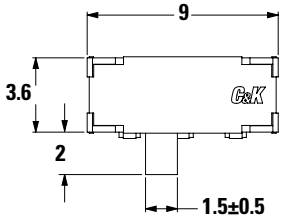
Circuit Diagram
C: Common Pin
Bottom View

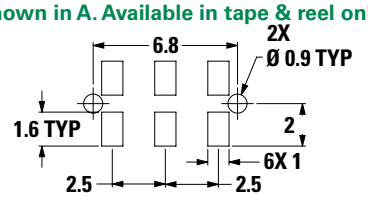




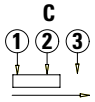
Switch Function		
POS.c	POS.b	POS.a
(MOM)	On	
Connected Terminals		
1-3, 5-7	2-3, 6-7	3-4, 7-8

Right Angle Surface Mount
JS102011JAQN SPDT Shown in A. Available in tape & reel only

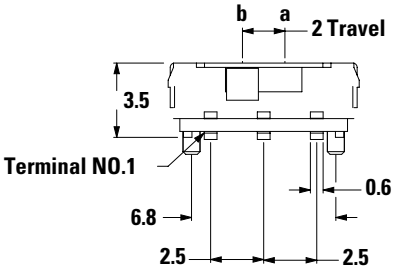


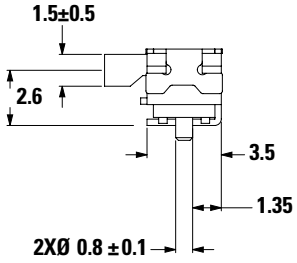


PCB Layout Recommended



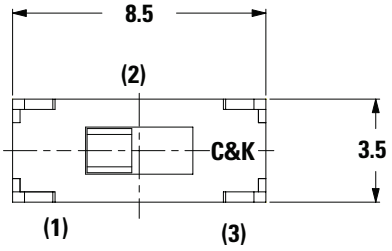
Circuit Diagram
C: Common Pin
Bottom View

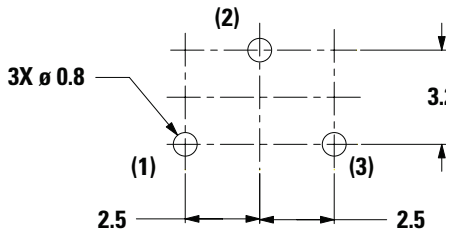




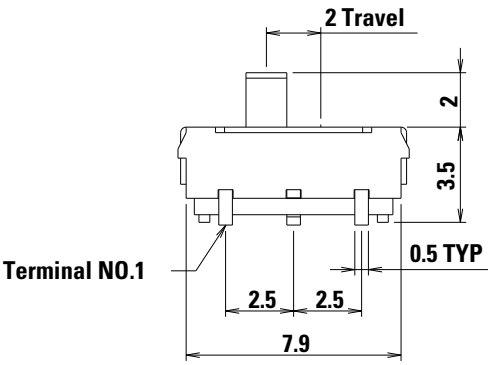
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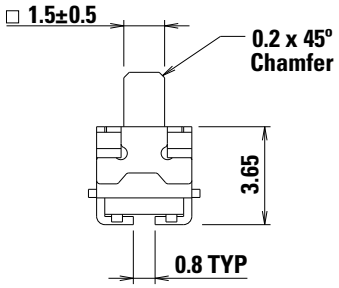
Vertical Mount SMT - J Bend
JS102011JCQN SPDT. Available in tape & reel only



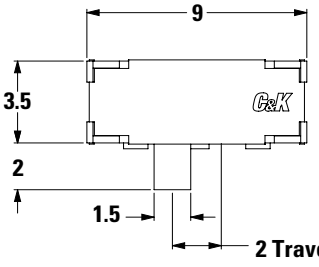


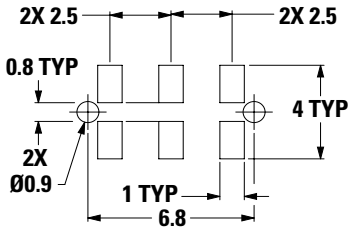
PCB Layout Recommended



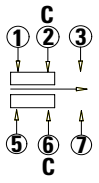


Right Angle Surface Mount
JS202011JAQN DPDT Shown in Position A. Available in tape & reel only

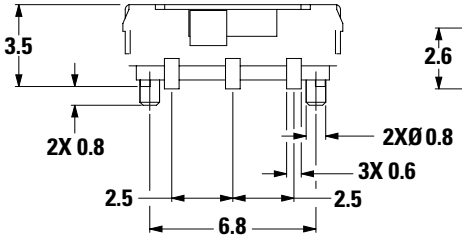


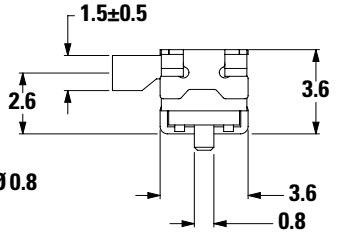


PCB Layout Recommended



Circuit Diagram
C: Common Pin
Bottom View

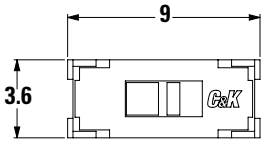


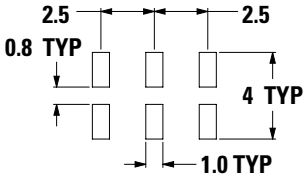


(Gap Between Terminals)

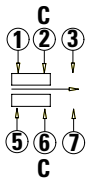
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Vertical Mount SMT - J Bend
JS202011JCQN DPDT Shown in position B. Available in tap & reel only

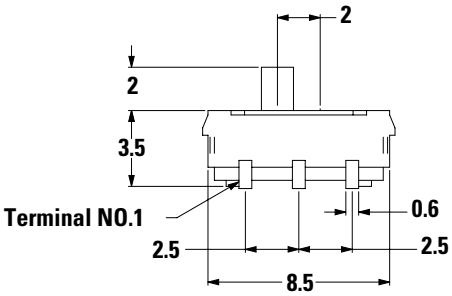


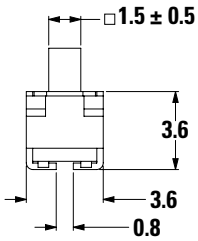


PCB Layout Recommended

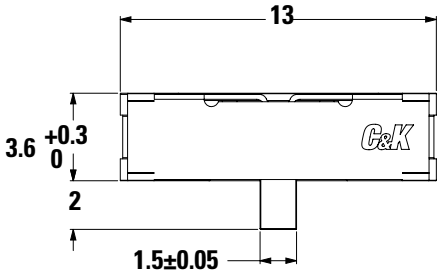


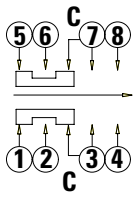
Circuit Diagram
C: Common Pin
Bottom View



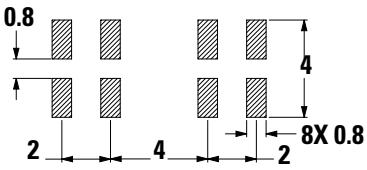


Right Angle Mount SMT - J Bend
JS203011JAQN DP3T Shown in position B. Available in tape & reel only

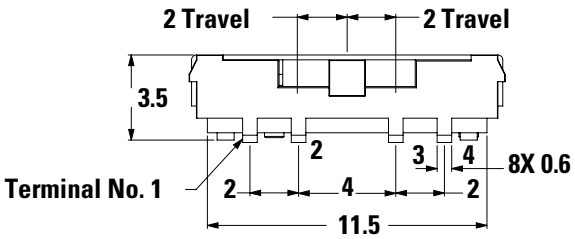


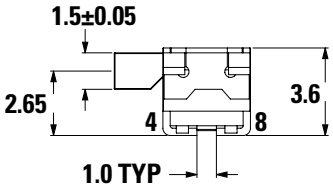


Schematic
C: Common Pin



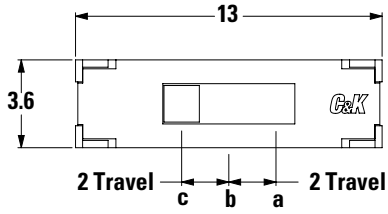
PCB Layout Recommended

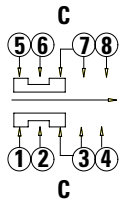




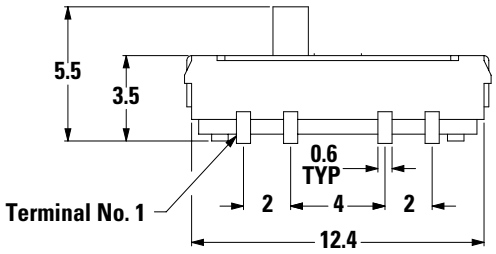
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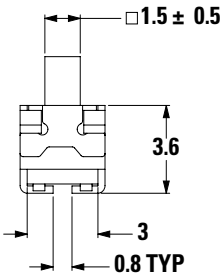
Vertical Mount SMT - J Bend
JS203011JCQN DP3T Shown in position B. Available in tape & reel only

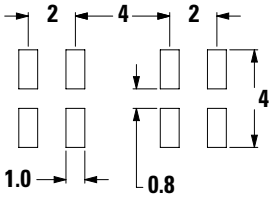




Schematic
C: Common Pin

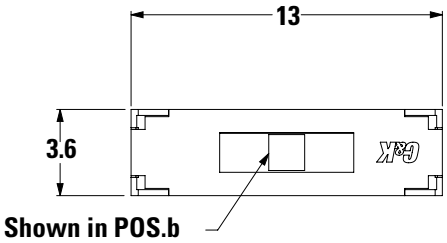


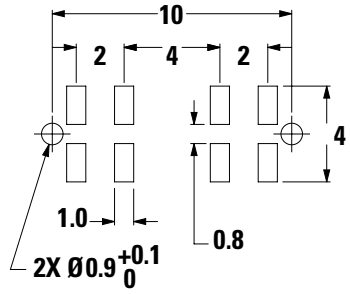




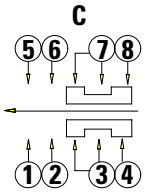
PCB Layout Recommended

Surface Mount - J Bend
JS207011JCQNR DP3T. Available in tape & reel only

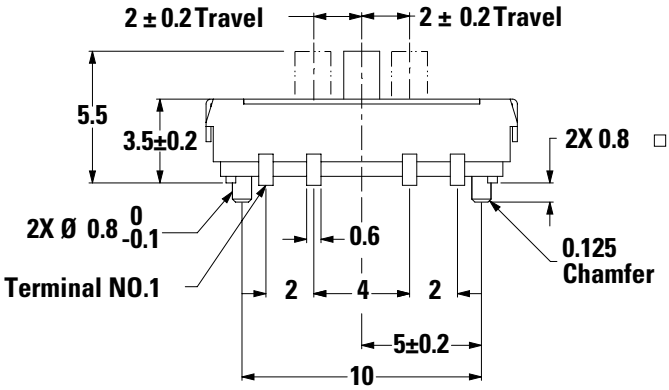


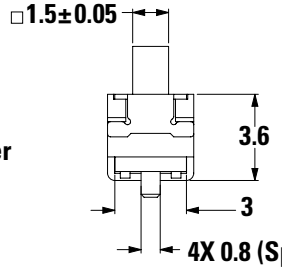


PC Mount - Tolerance ± .05



Circuit Diagram
C: Common Pin
Bottom View

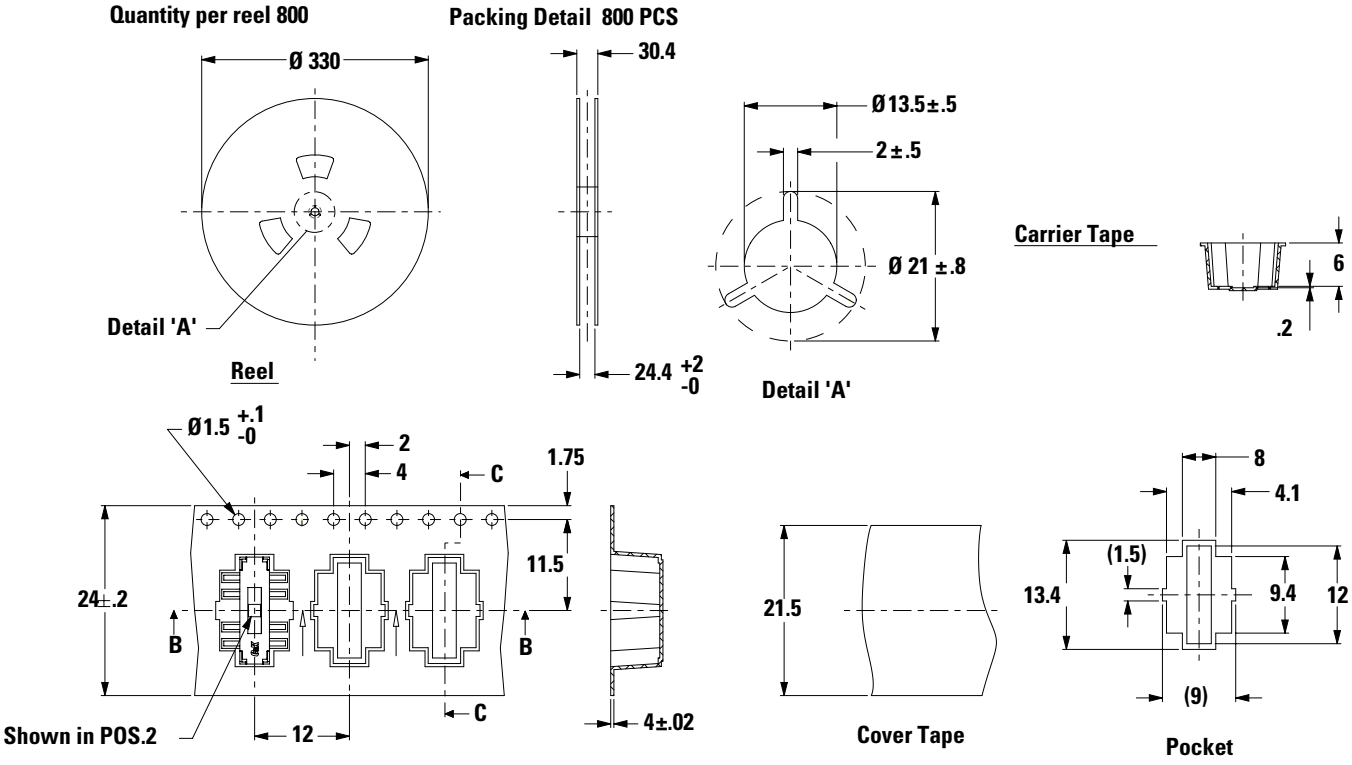




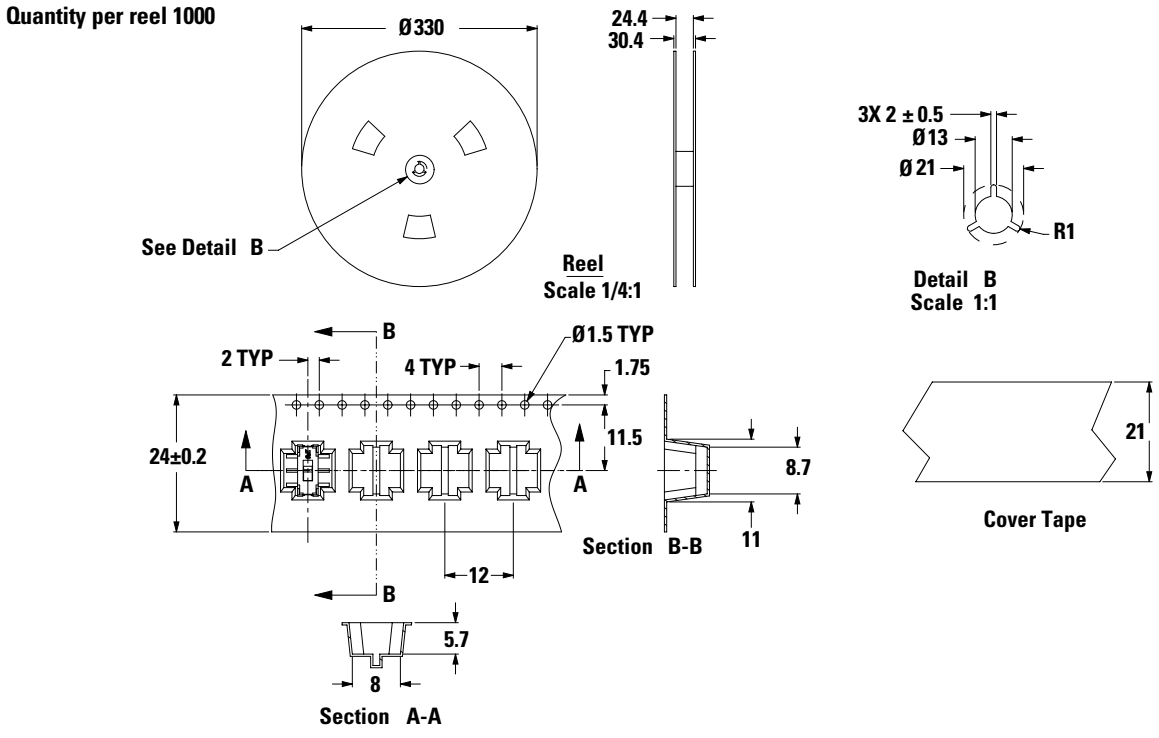
Switch Function		
POS.c C&K	POS.b C&K	POS.a C&K
(MOM)	On	
Connected Terminals		
1-3, 5-7	2-3, 6-7	3-4, 7-8

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Revised: CM.08/27/24

Tape and Reel for Part Number JS207011SCQNR, JS207011JCQNR

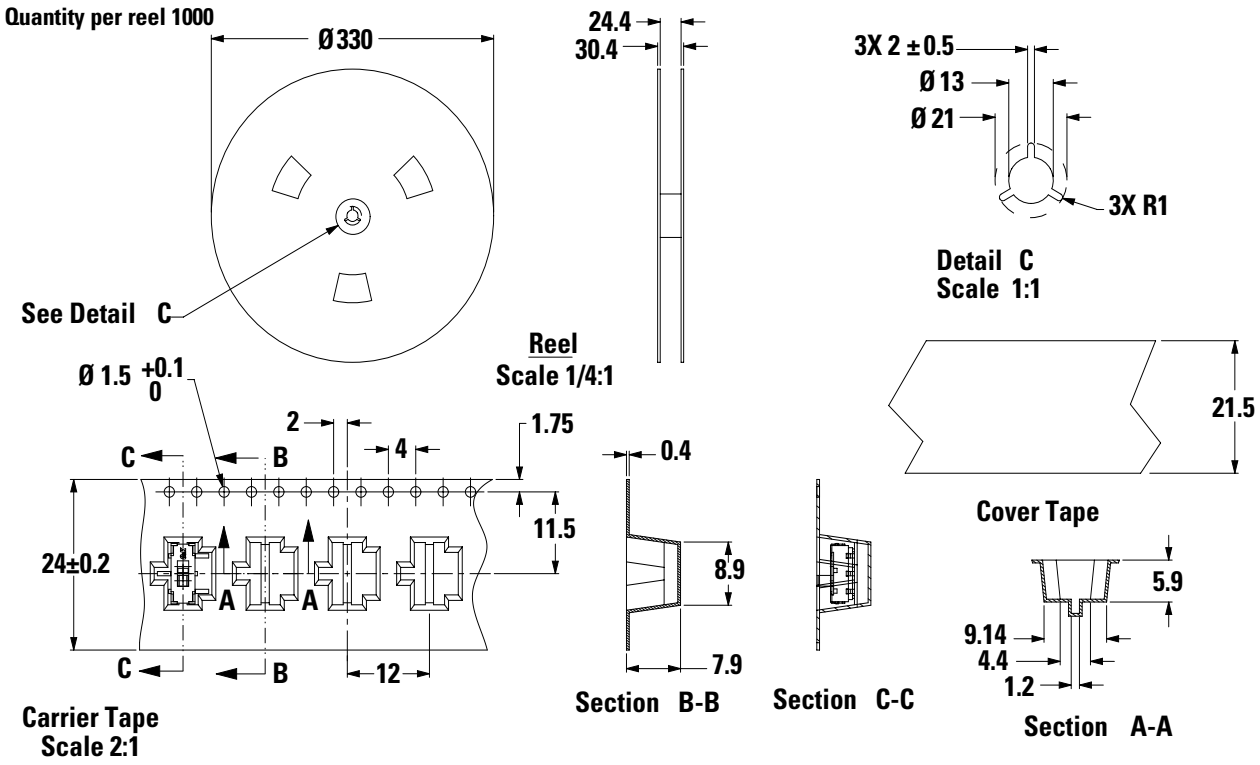


Tape and Reel for Part Number JS202011SCQN

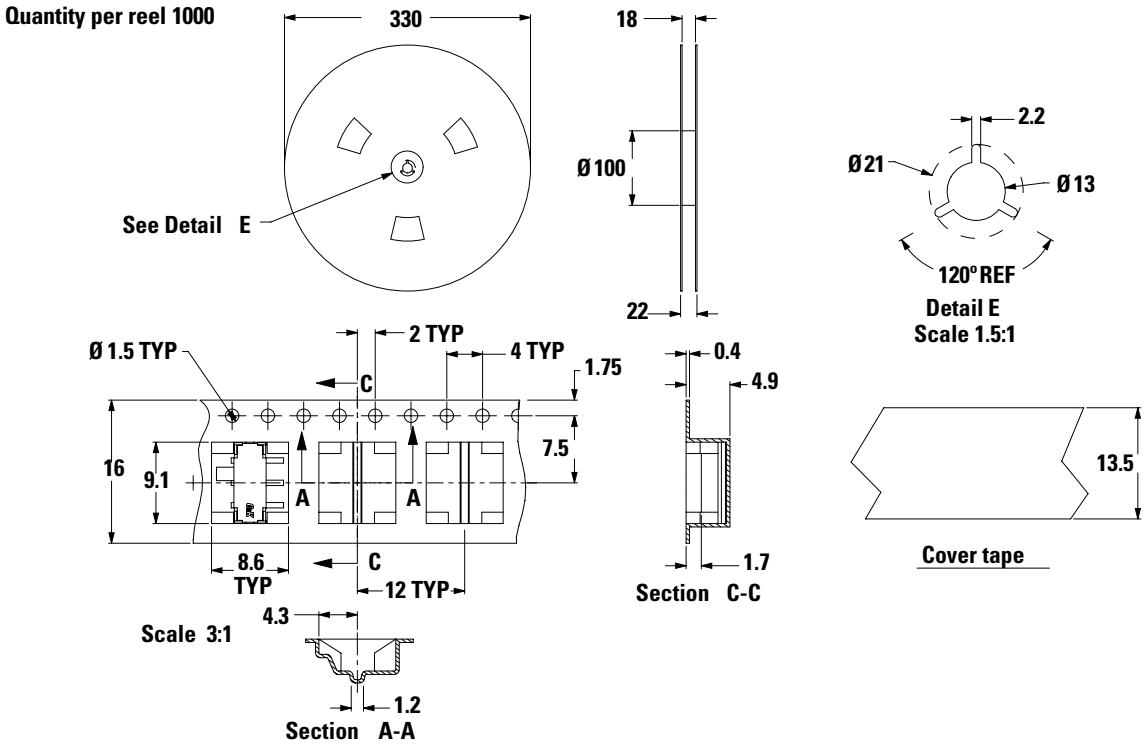


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Tape and Reel for Part Number JS102011SCQN, JS102011JCQN

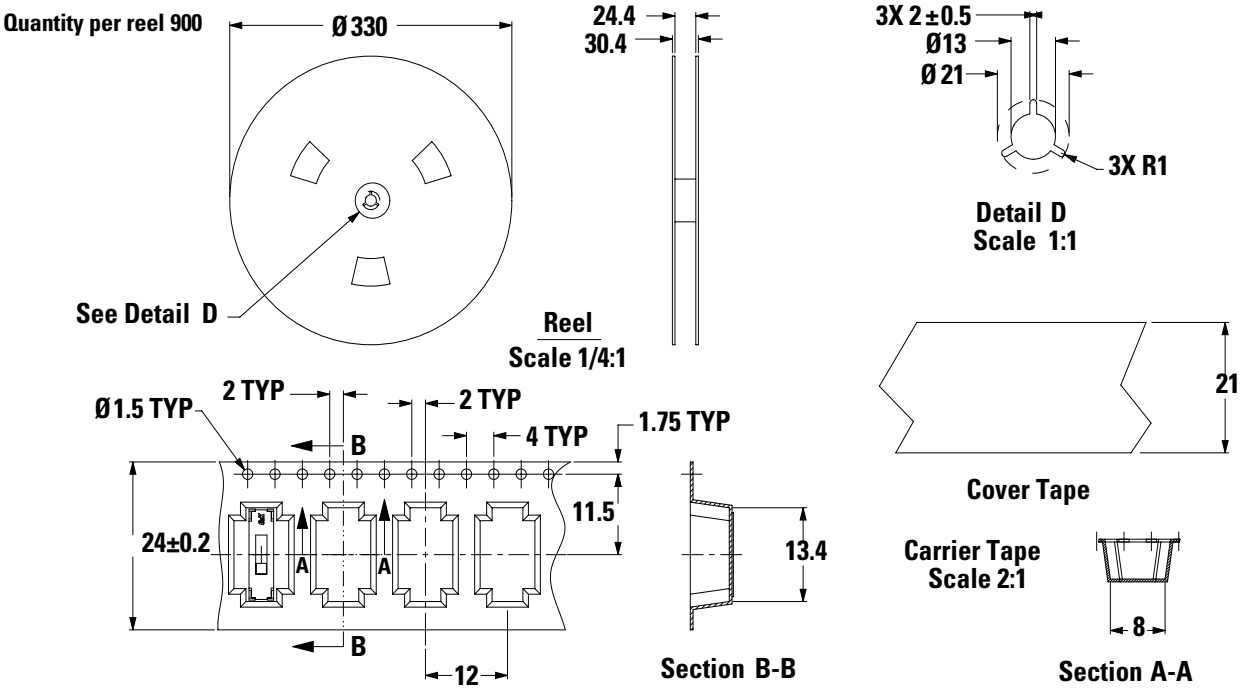


Tape and Reel for Part Number JS102011SAQN, JS102011JAQN

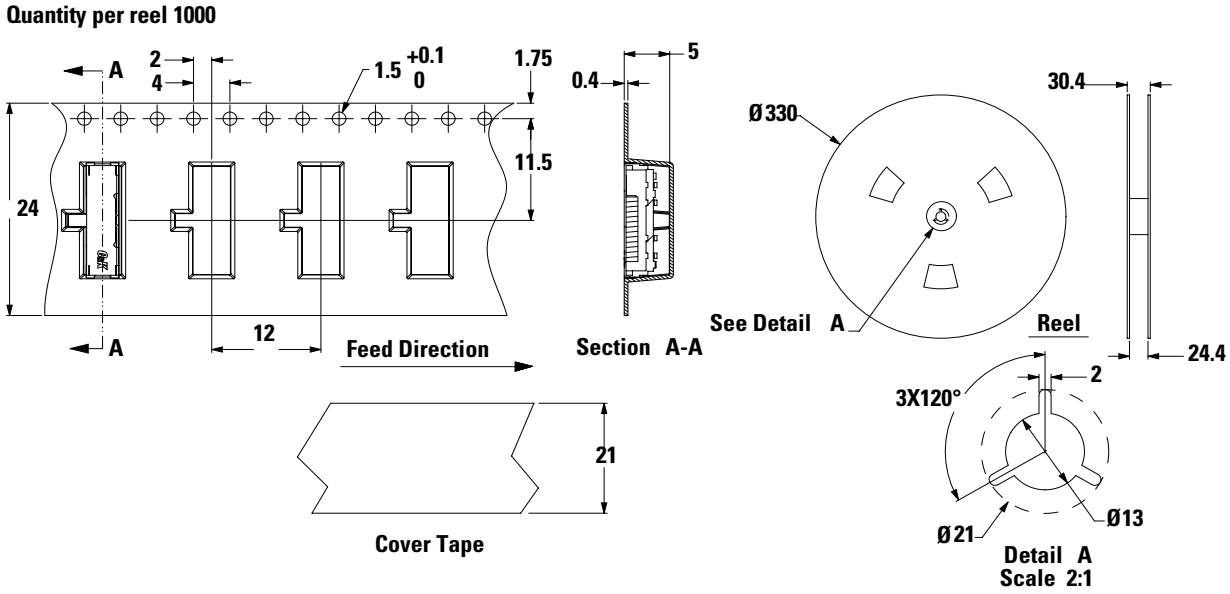


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Tape and Reel for Part Number JS203011SCQN, JS203011JCQN

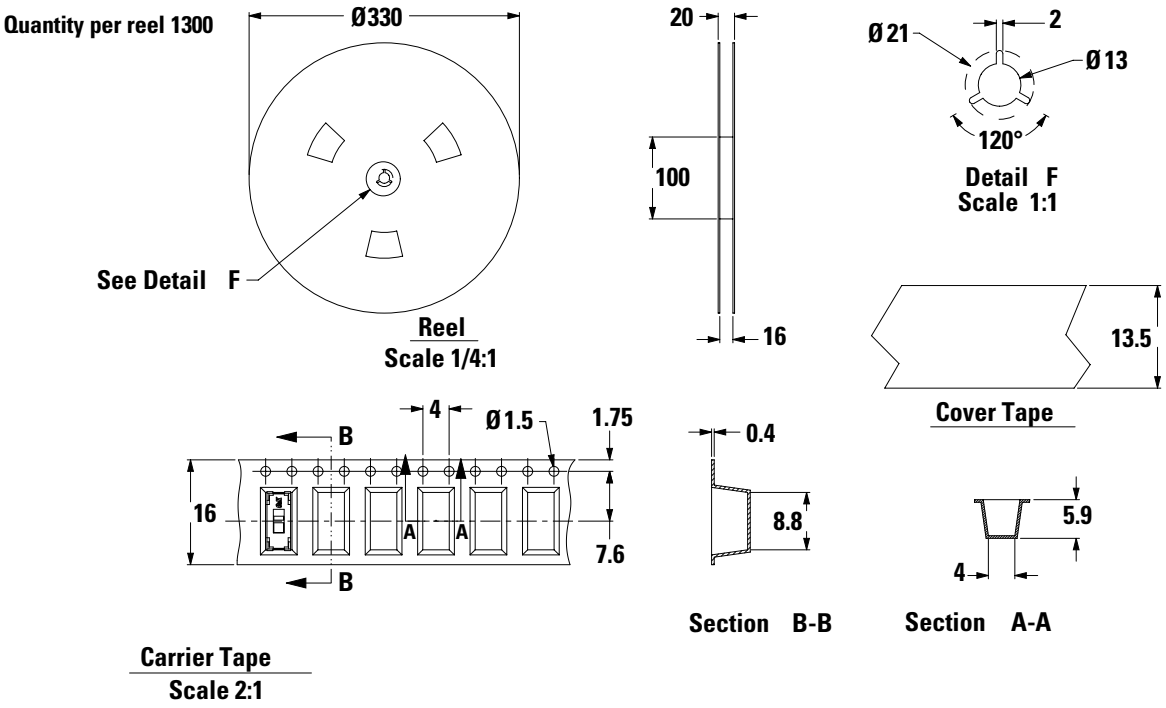


Tape and Reel for Part Number JS203011JAQN



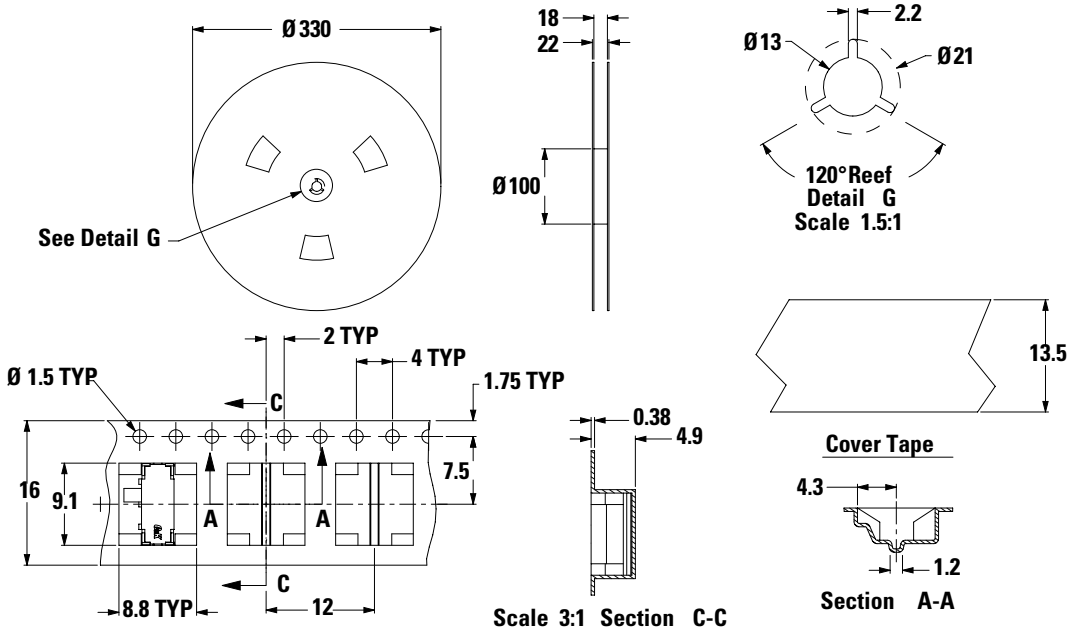
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Tape and Reel for Part Number JS202011JCQN



Tape and Reel for Part Number JS202011JAQN

Quantity per reel 1000



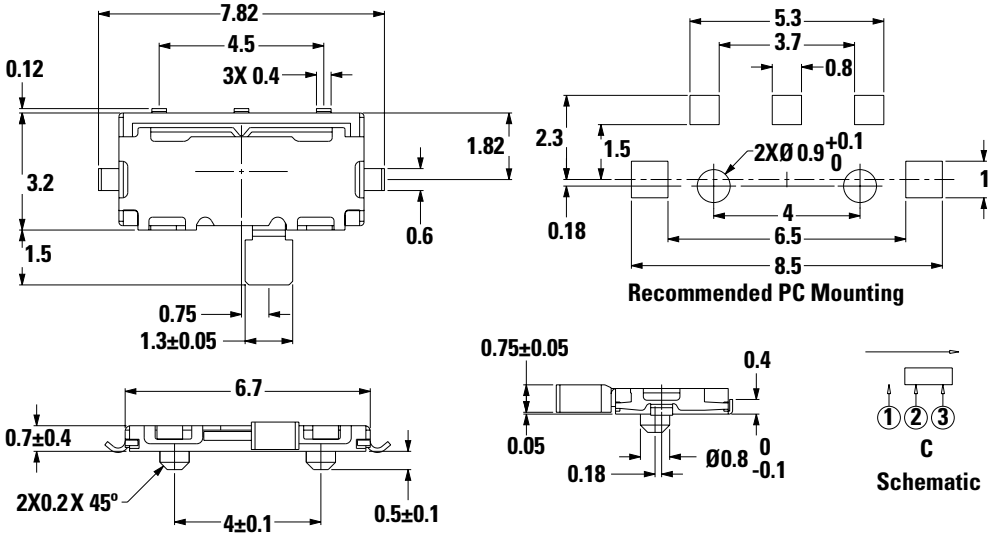
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JS Series
Sub-Miniature Slide Switches

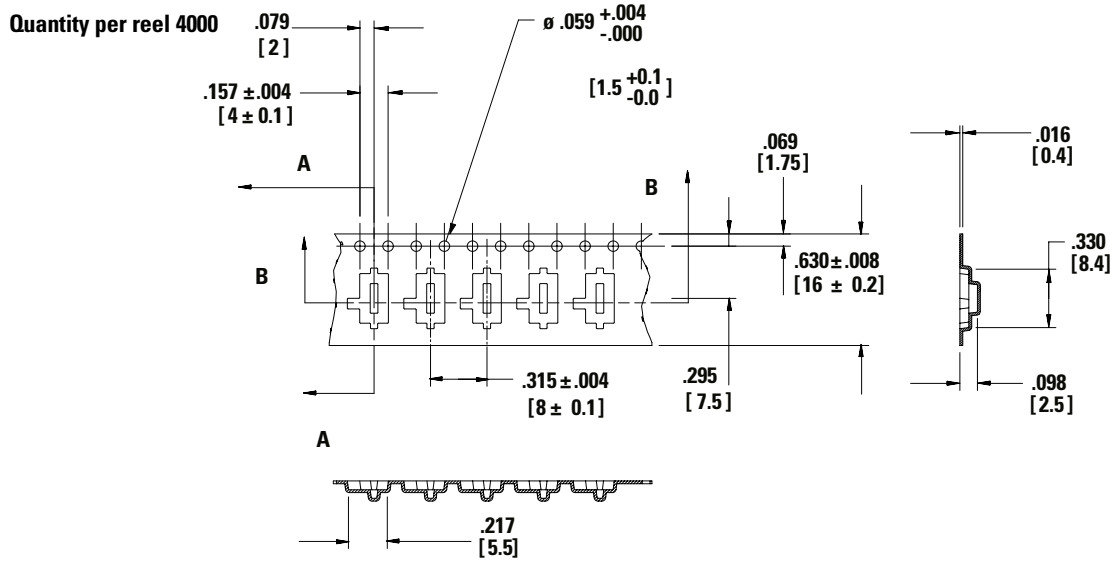
Right Angle Surface Mount
Low Profile 0.028 ± 0.004 (0.7±0.1) High
JS102000SAQN SPDT

Specifications

Contact Rating	5 VDC @ 1 mA
Electrical Life	15,000 cycles
Contact Resistance	<100 m ohms (initial) <200 m ohms (after processing)
Insulation Resistance	100 m ohms @500 VDC
Dielectric Strength	250 VAC.
Operating Temperature	-40°C to 85°C



Tape and Reel for Part Number JS102000SAQN



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