### Features/Benefits

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

### **Typical 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  $\Omega$  max.

INSULATION RESISTANCE: 100 M  $\Omega$  min. @ 500V DIELECTRIC STRENGTH: 500 VAC min. @ sea level OPERATING TEMPERATURE: -40°C to +85°C STORAGE TEMPERATURE: -40°C to +85°C

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

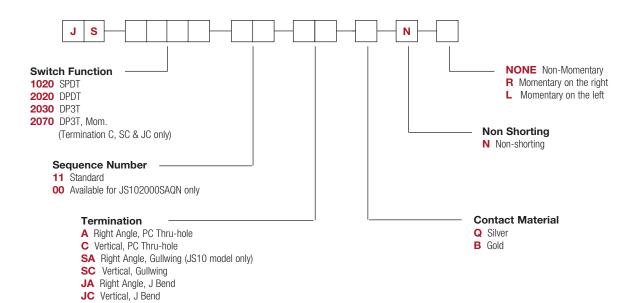
#### **Materials**

HOUSING: 4/6 nylon, black

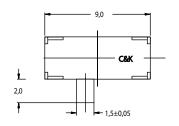
ACTUATOR: 4/6 nylon, black (some options white) CONTACTS: Copper alloy, silver or gold plated TERMINALS: Brass, silver or gold plated

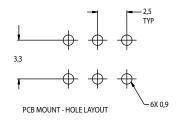
#### **How To Order**

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.



### **RIGHT ANGLE, PC THRU-HOLE**

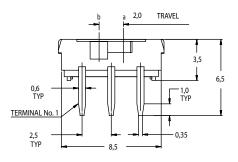


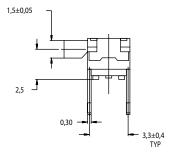


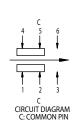


Part Number JS202011AQN **DPDT** 

Shown in position b

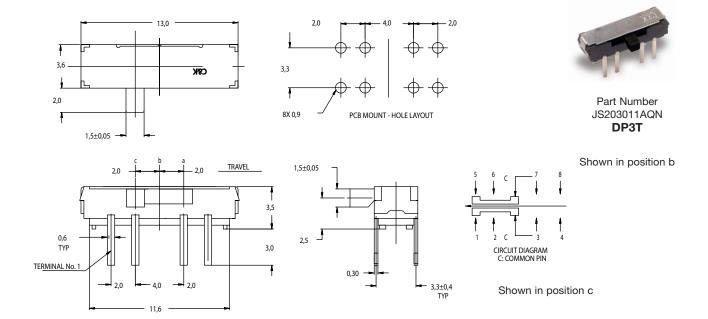




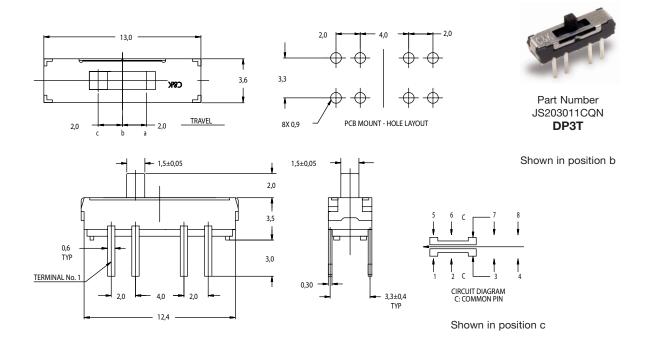


Shown in position b

### **RIGHT ANGLE, PC THRU-HOLE**



### **PC THRU-HOLE**

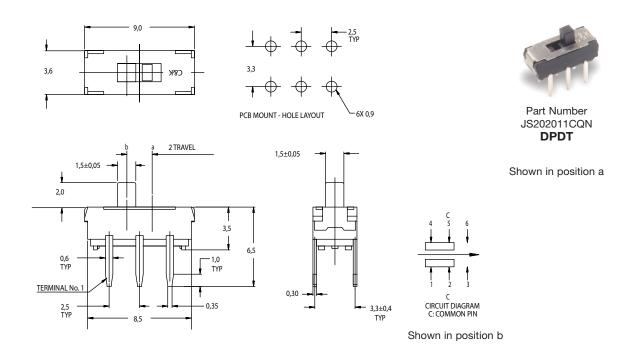




Specifications and dimensions subject to change



### PC THRU-HOLE



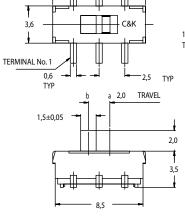
### **SURFACE MOUNT**

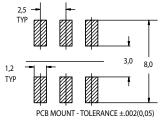


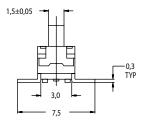
Part number JS202011SCQN

### **DPDT**

Shown in position b. Quantity per reel 1000 Available in tape & reel only



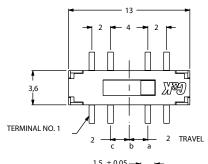


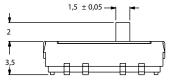


Shown in position b

Part number JS203011SCQN DP3T

Quantity per reel 900 Available in tape & reel only

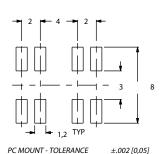


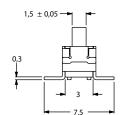




CIRCUIT DIAGRAM Shown in position a









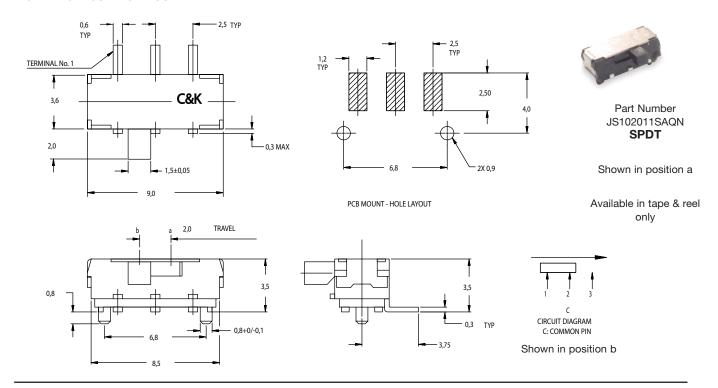


CIRCUIT DIAGRAM

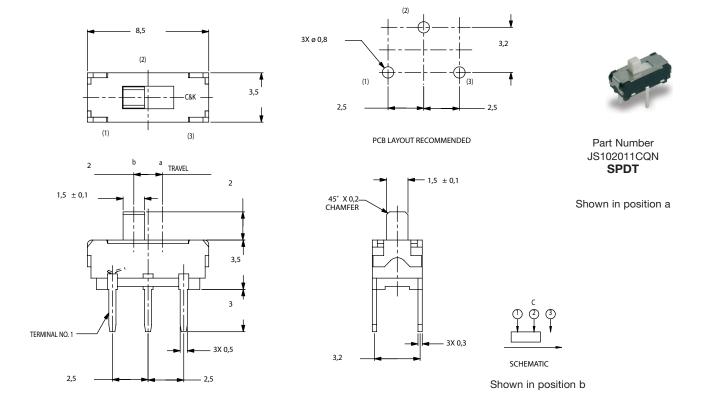
C: COMMON PIN

Dimensions are shown: mm Specifications and dimensions subject to change

### **RIGHT ANGLE SURFACE MOUNT**



### **PC THRU-HOLE**

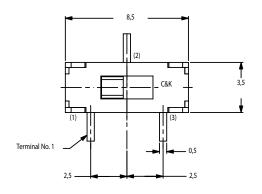


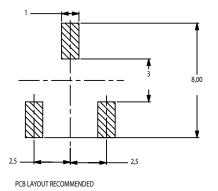
I-54



Specifications and dimensions subject to change

#### **SURFACE MOUNT**



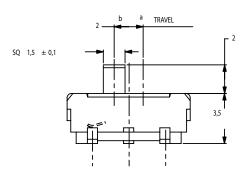


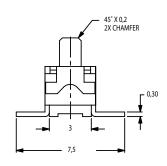


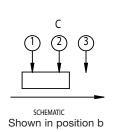
Part Number JS102011SCQN **SPDT** 

Shown in position a

Available in tape & reel only



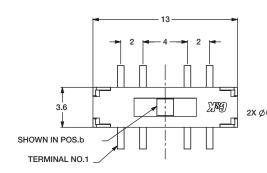


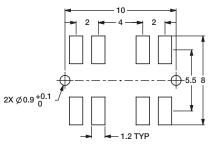


(MOM)

CONNECTED TERMINAL 1-3.5-7 | 2-3.6-7 | 3-4.7-

### **SURFACE MOUNT**





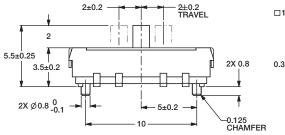


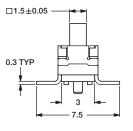
Part Number JS207011SCQNR DP3T

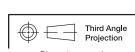
Shown in position b

CIRCUIT DIAGRAM C: COMMON PIN BOTTOM VIEW SWITCH FUNCTION Available in tape & reel only

PC MOUNT - TOLERANCE  $\pm .05$ 

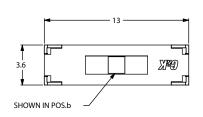


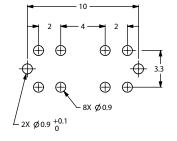






### **PC THRU-HOLE**





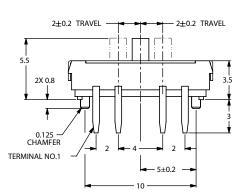
±.05

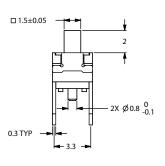
3 6 7 8 1 2 3 4 CIRCUIT DIAGRAM C: COMMON PIN BOTTOM VIEW



Part Number JS207011CQNR **DP3T** 

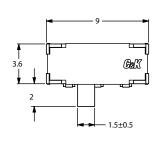
Shown in position b

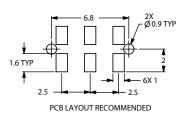




PC MOUNT - TOLERANCE

### **RIGHT ANGLE SURFACE MOUNT**





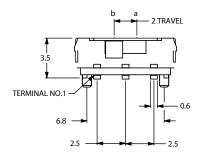


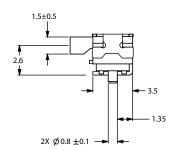


Part Number JS102011JAQN SPDT

Shown in position

Available in tape & reel only

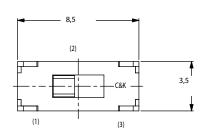


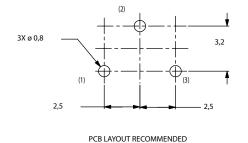




I-56

### **VERTICAL MOUNT SMT - J BEND**

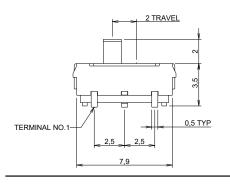


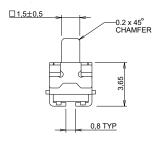




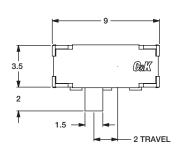
Part Number JS102011JCQN **SPDT** 

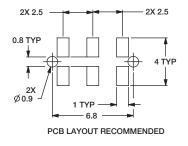
Available in tape & reel only

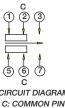




#### **RIGHT ANGLE SURFACE MOUNT**







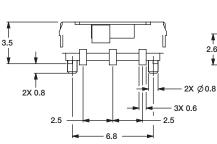
Part Number JS202011JAQN

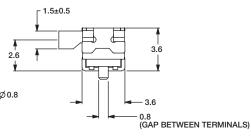
Shown in position

**DPDT** 

Available in tape & reel only



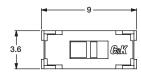


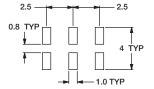




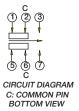


#### **VERTICAL MOUNT SMT - J BEND**





PCB LAYOUT RECOMMENDED CIRCUIT I

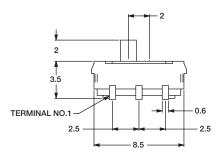


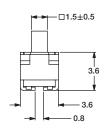


Part Number JS202011JCQN **DPDT** 

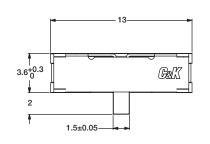
Shown in position

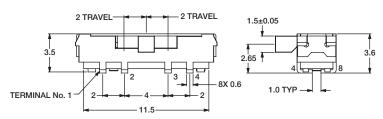
Available in tape & reel only





### **RIGHT ANGLE MOUNT SMT - J BEND**



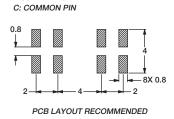




Part Number JS203011JAQN **DP3T** 

Shown in position

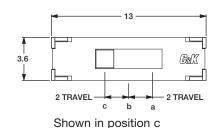
Available in tape & reel only

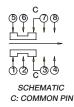


SCHEMATIC



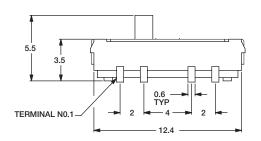
### **VERTICAL MOUNT SMT - J BEND**

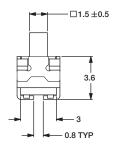


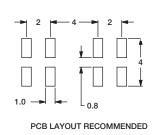




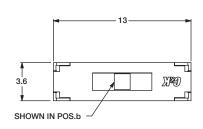
Part Number JS203011JCQN **DP3T** Shown in position b Available in tape & reel only

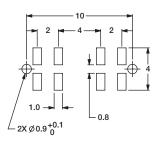


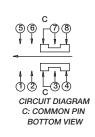




### **SURFACE MOUNT - J BEND**



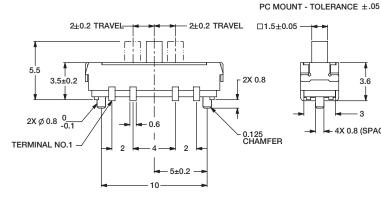


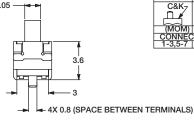




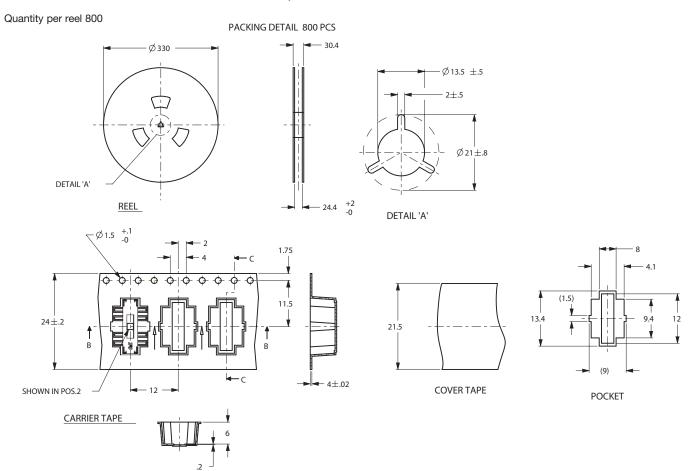
Part Number JS207011JCQNR **DP3T** 

Available in tape & reel only

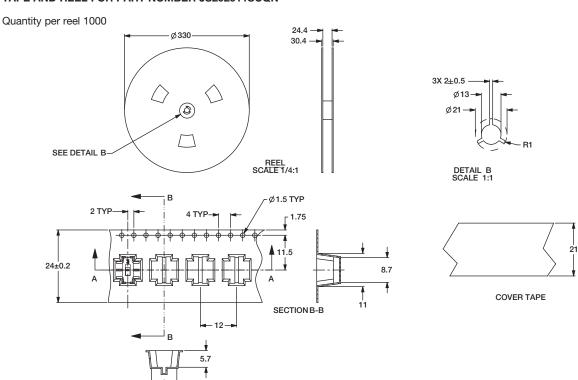




### TAPE AND REEL FOR PART NUMBER JS207011SCQNR, JS207011JCQNR

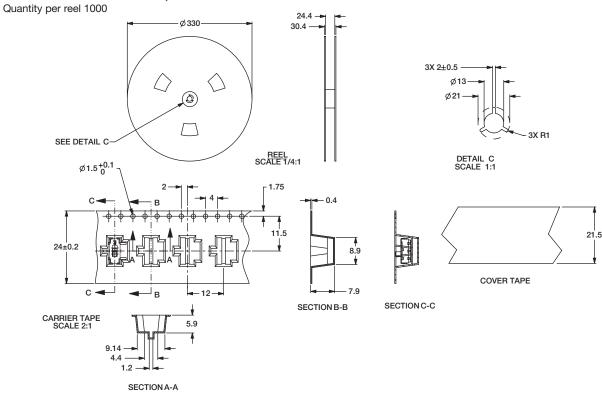


### TAPE AND REEL FOR PART NUMBER JS202011SCQN

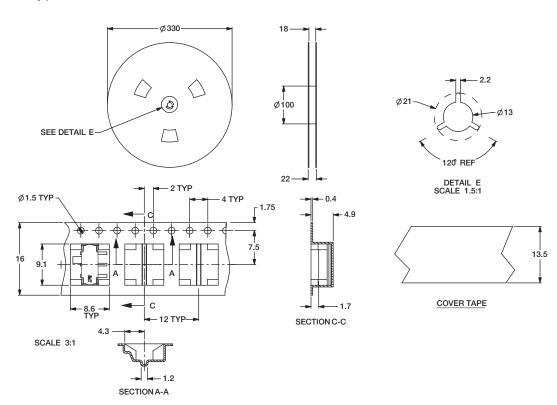




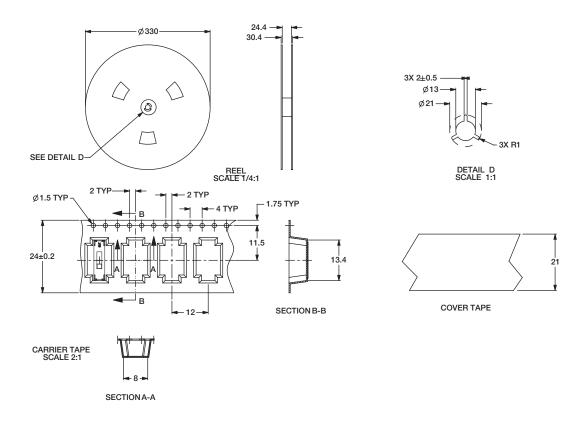
# TAPE AND REEL FOR PART NUMBER JS102011SCQN, JS102011JCQN



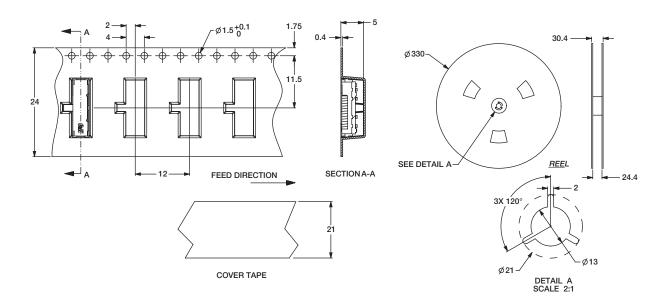
### TAPE AND REEL FOR PART NUMBER JS102011SAQN, JS102011JAQN



# **TAPE AND REEL FOR PART NUMBER JS203011SCQN, JS203011JCQN** Quantity per reel 900



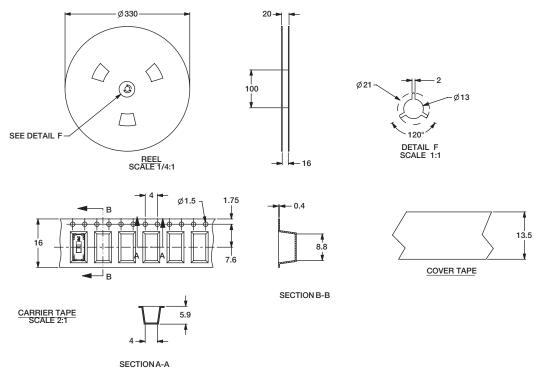
### TAPE AND REEL FOR PART NUMBER JS203011JAQN



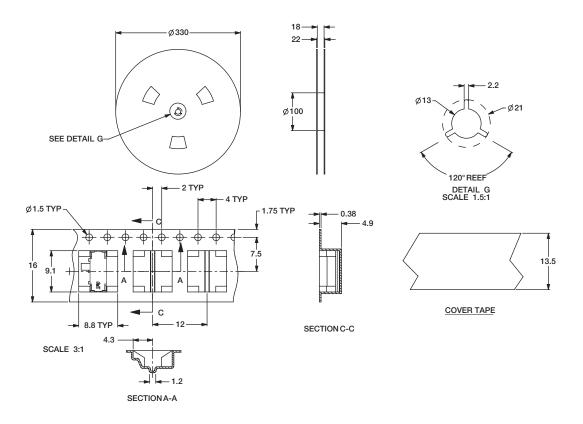


### TAPE AND REEL FOR PART NUMBER JS202011JCQN

Quantity per reel 1300



### TAPE AND REEL FOR PART NUMBER JS202011JAQN



### **RIGHT ANGLE SURFACE MOUNT**

LOW PROFILE .028±.004 (0.7±0.1) HIGH



Part Number JS102000SAQN SPDT

#### **Specifications**

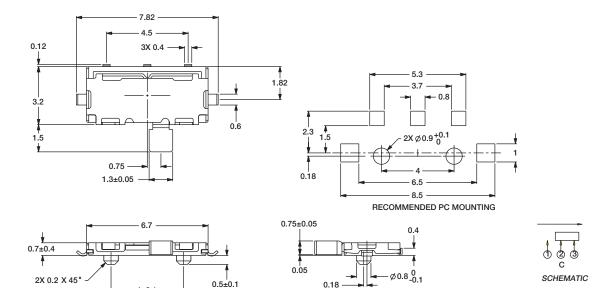
CONTACT RATING: 5 VDC @ 1mA ELECTRICAL LIFE: 15,000 cycles.

CONTACT RESISTANCE: <100 m ohms (initial) <200 m ohms (after processing).

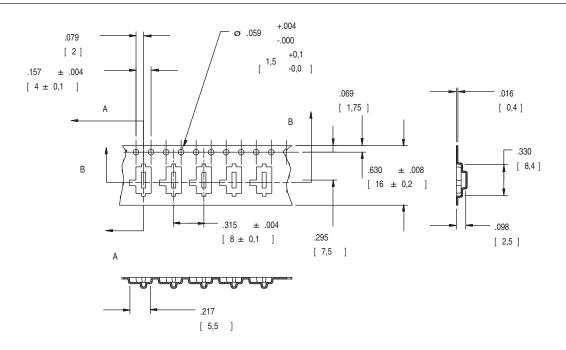
INSULATION RESISTANCE: 100 m ohms @500 VDC.

DIELECTRIC STRENGTH: 250 VAC.

OPERATING TEMPERATURE: -40°C to +85°C



### TAPE AND REEL FOR PART NUMBER JS102000SAQN





## **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

### **C&K Switches:**

<u>JS102000SAQN</u> <u>JS102011SAQN</u> <u>JS202011AQN</u> <u>JS202011CQN</u> <u>JS202011SCQN</u> <u>JS203011AQN</u> <u>JS203011CQN</u> <u>JS102011SCQN</u> <u>JS207011SCQNR</u> <u>JS207011CQNR</u> <u>JS102011JAQN</u> <u>JS203011JAQN</u> <u>JS203011JCQN</u>

JS102011JCQN JS207011JCQNR JS203011JAQN JS203011JCQN JS203011SCQN js102011cqn