

Single and Double Action Key Switch

Specifications

Electrical Ratings	30mA @ 28VDC	Dielectric Strength	250Vrms min
Electrical Life	200,000 cycles	Insulation Resistance	$\geq 1000\text{M}\Omega$ min
Contact Resistance	$\leq 50\text{m}\Omega$ initial	Operating Temperature	-40°C to +95°C
Actuation Force	Single Action : $325 \pm 100\text{gF}$ Double Action : Force 1 : $600 \pm 100\text{gF}$ Force 2 : $1200 \pm 150\text{gF}$	Storage Temperature	-40°C to +95°C
Actuator Travel	To operating point 1 : $0.90 \pm 0.30\text{mm}$ To operating point 2 : $1.70 \pm 0.30\text{mm}$		

Materials

Actuator	POM
Base	6/6 Nylon
Spring	Piano Wire
Contacts	Copper Alloy, Gold Plated
Terminals	Copper Alloy, Gold Plated

Ordering Information - Single Action Key Switch

1. Series	DSA	3001	F325
DSA			
2. Switch Function	3001 = SPST N.O.		
3. Actuation Force	F325 = 325gF		

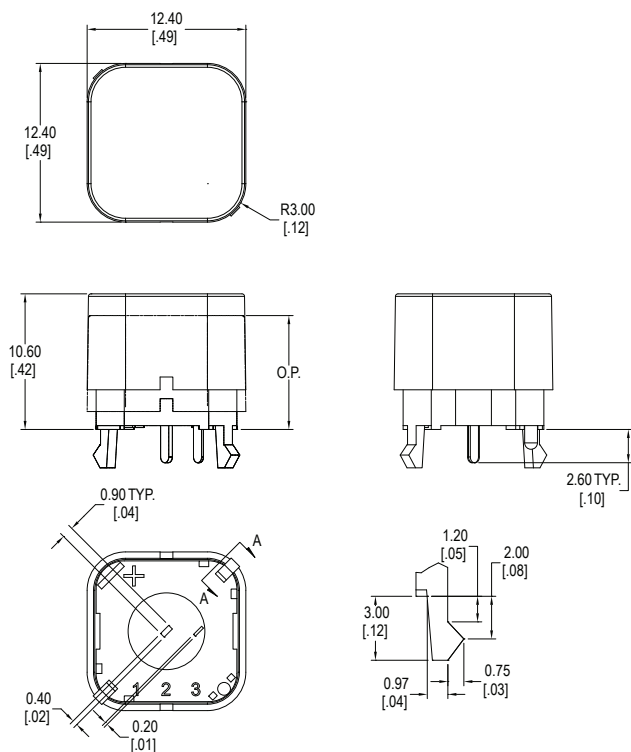
Ordering Information - Double Action Key Switch

1. Series	DSA	3002	F600	F1200
DSA				
2. Switch Function	3002 = SPDT			
3. Actuation Force 1	F600 = 600gF			
4. Actuation Force 2	F1200 = 1200gF			

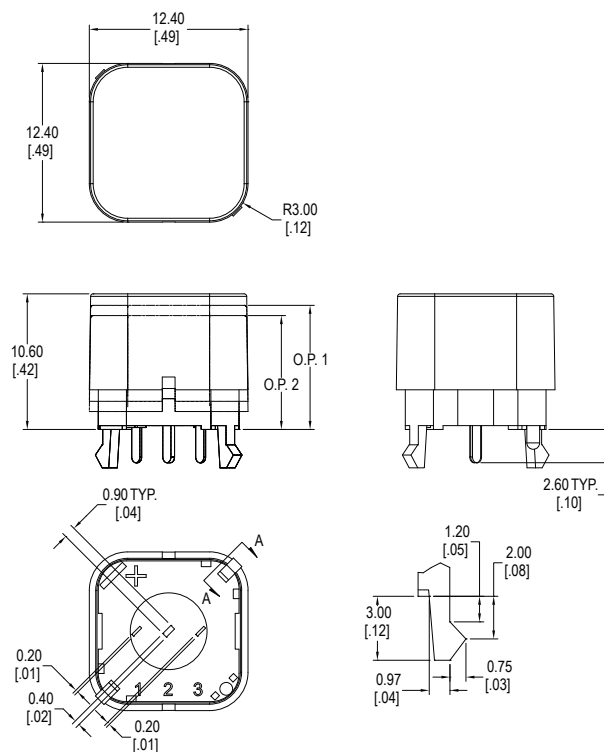
Single and Double Action Key Switch

Dimensions

DSA3001, Single Action



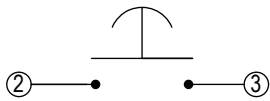
DSA3002, Double Action



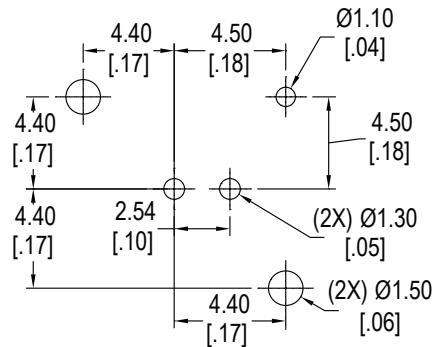
Schematics & PC Layout

DSA3001, Single Action

Schematic

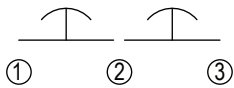


PCB Layout, Top View

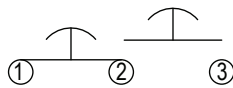


DSA3001, Double Action

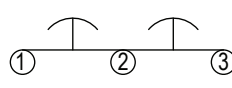
Schematic, Normal



Schematic, 1st Action



Schematic, 2nd Action



PCB Layout, Top View

