

SAM Series Multiway Switches

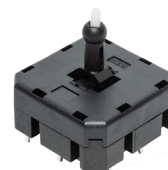
NEW

Features/Benefits

- Multi-directional switches
2-way & 4-way
- Actuation force 5.3N or 6N
- Footprint 20.7x18.0 mm (2-way) &
26.2x26.2 mm (4-way)
- Momentary action - SPDT

Typical Applications

- Automotive
- Industrial
- Avionics
- Joystick switch



Specifications

FUNCTION: Momentary action.

CONTACT ARRANGEMENT: SPDT per switching circuit

SWITCHING MODE: Non-Shorting

TERMINALS: THT - Through Hole Terminals

Mechanical

P/N	Force (N)	Operating Life (Cycles*)	Travel (mm)
SAM-H2-LR10SPA	6.0±2.0	30,000	1.00±0.4
SAM-H2-LR14SPA	5.3±2.0	30,000	1.25±0.4
SAM-H2-MR14SPA	5.3±2.0	30,000	1.25±0.4
SAM-H4-MR11SPA	6.0±2.0	30,000	1.00±0.4

Notes: * per direction

Electrical

RATING: 15A @ 14V DC

INITIAL CONTACT RESISTANCE: <20mΩ per switching circuit

DIELECTRIC WITHSTANDING VOLTAGE: 500VAC

INSULATION RESISTANCE: >100MΩ

BOUNCE TIME: <10ms

Environmental

OPERATING TEMPERATURE: -40°C to +85°C

STORAGE TEMPERATURE: -40°C to +85°C

SEALING LEVEL: IP30

Process

SOLDERING: Wave compatible

TERMINALS: Silver plated

Materials

HOUSING: Polyamide UL94 HB

COVER: PBT+ASA UL94 HB

ACTUATOR: Polyamide UL94 HB

TERMINAL: Copper alloy, silver plated

CONTACT: Silver alloy

Packaging

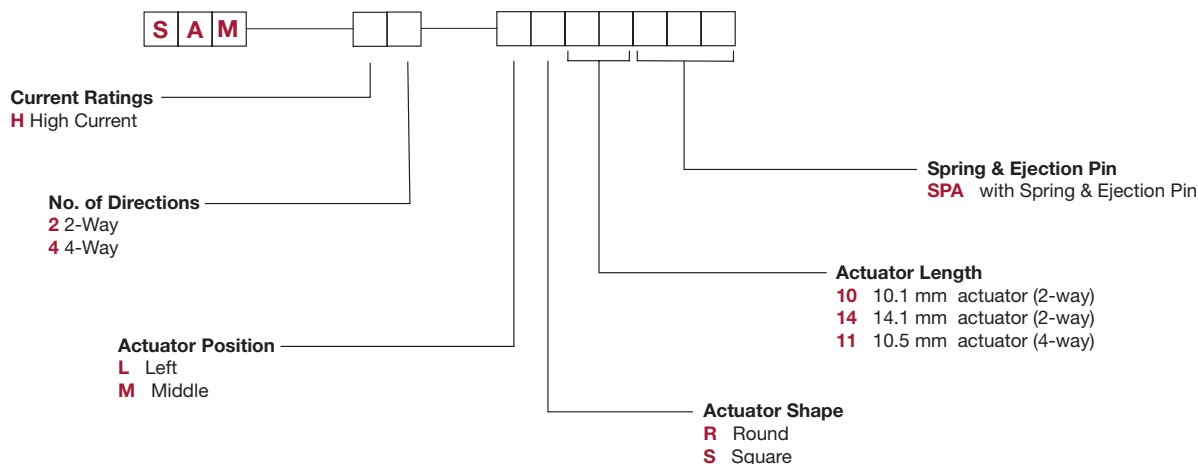
720 pieces per box for SAM-H2-LR10SPA & SAM-H2-LR14SPA

540 pieces per box for SAM-H2-MR14SPA

264 pieces per box for SAM-H4-MR11SPA

How To Order

The Build-A Switch concept allows you to mix and match options to create the switch you need. Below is a complete listing of options shown in catalog. To order, simply select desired option from each category and place in the appropriate box.



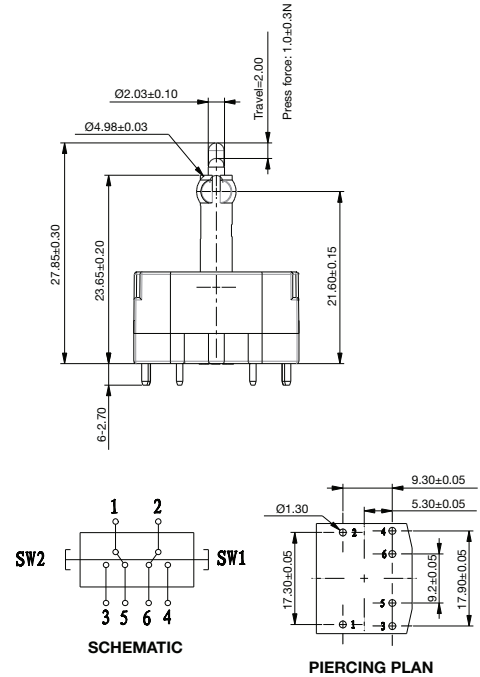
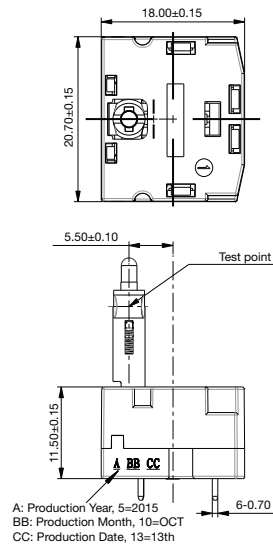
First Angle
Projection

Dimensions are shown: mm
Specifications and dimensions subject to change

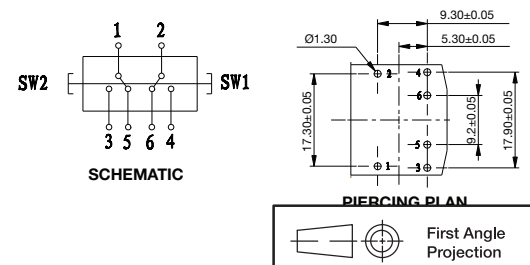
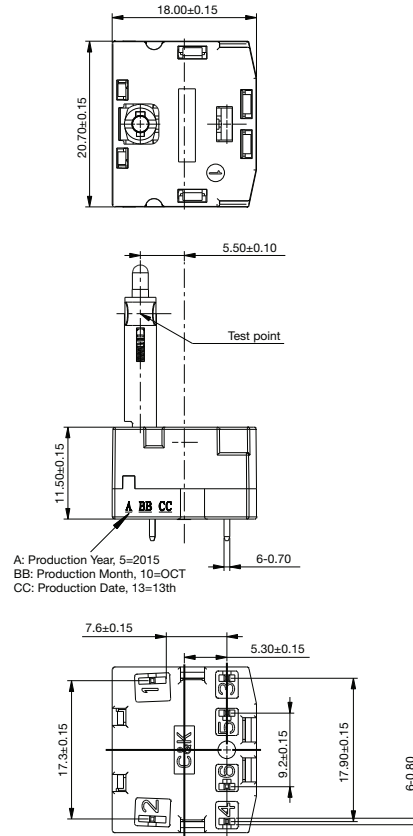
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SAM-H2-LR10SPA



SAM-H2-LR14SPA



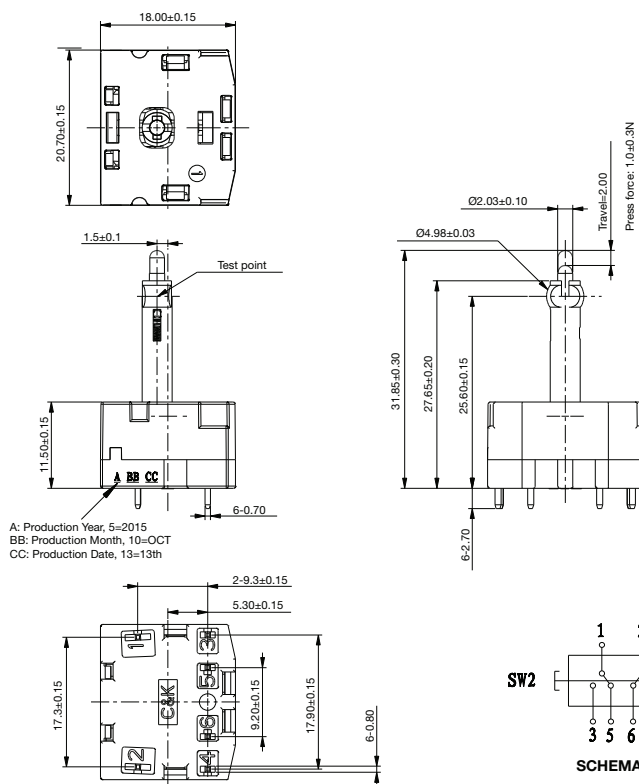
C

Navigation

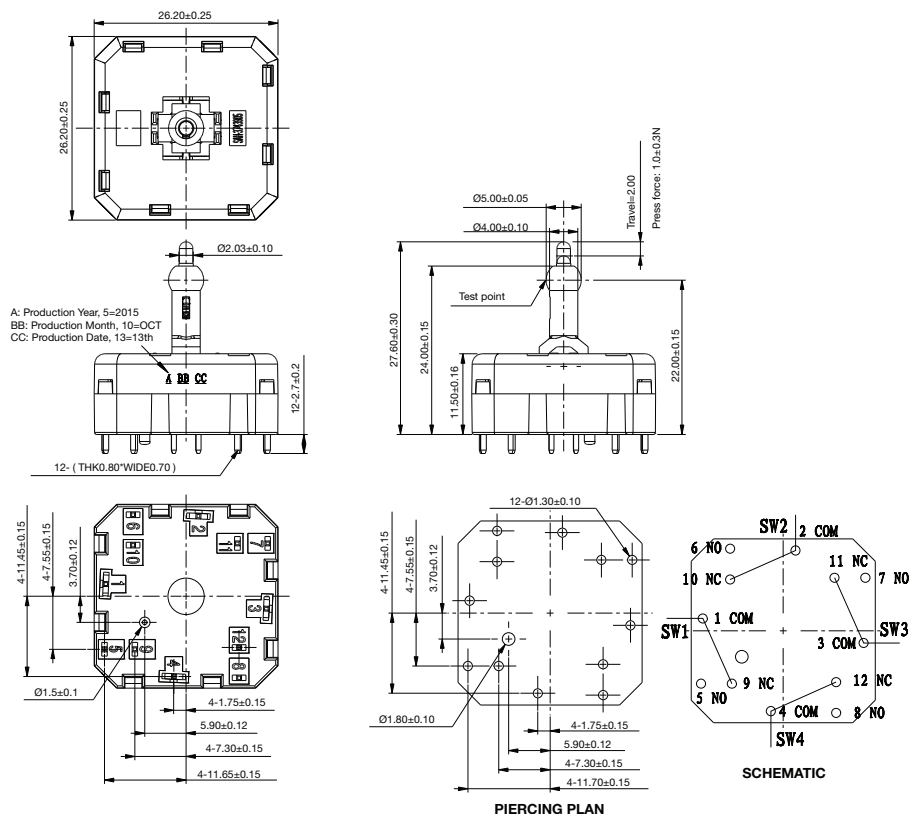
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SAM-H2-MR14SPA



SAM-H4-MR11SPA



Mouser Electronics

Authorized Distributor

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

C&K Switches:

[SAM-H2-LR10SPA](#) [SAM-H2-LR14SPA](#) [SAM-H2-MR14SPA](#) [SAM-H4-MR11SPA](#)