

HDT Series**Micro Miniature Surface Mount Detect Switch****Features/Benefits**

- Low profile package
- Design allows top or side actuation
- Low actuation force, 35 grams max.
- Pick and place compatible, available in tape & reel packaging
- Halogen free

Typical Applications

- Consumer electronics
- Computers
- Medical devices
- ATCA and MicroTCA devices

Part Number	Contact Type	Contact Rating	Pre-Travel	Overtravel	Total Travel	Mechanical /Electrical Life
HDT0001	SPST, NO	1 mA 5 VDC	.30 mm	.75 mm	1.05 mm	100,000 cycles min.

JCH Series**Microminiature IP64 Sealed SMT Detect Switch****Features/Benefits**

- SMT process compatible
- Low profile
- Low actuation force
- Sealed IP 64
- Halogen free

Typical Applications

- Portable/Handheld electronics
- Health care
- Automotive
- A/V equipment
- Mobile phone and peripherals

Part Number	Contact Type	Contact Rating	Contact Material	Total Travel	Pre-Travel	Operating Life
JCH1AQNPR	SPST, NO	1 mA @ 5 VDC	silver over nickel	2.5 mm	0.15 mm	100,000 cycles

SDP Series**Micro Mini Pendulum SMT Detect Switch****Features/Benefits**

- SMT process compatible
- Low profile
- Right or left side actuated
- Low actuation force
- Low halogen / halogen free

Typical Applications

- Consumer electronics
- Computers
- Medical devices
- ATCA and MicroTCA devices

Part Number	Contact Type	Contact Rating	Contact Material	Total Travel	Over Travel	Operating Life
SDP002	SPDT, NO	5 VDC 1mA	silver over nickel	68.3° from center	39.1° (1.31 mm)	50,000 cycles

Refer to full line catalog to see operating zone chart

KSU Series**Micro Miniature Surface Mount Detect Switch****Features/Benefits**

- New multi contact construction
- Metal actuator
- Low actuating force
- Gold contacts
- Compatible with pick and place machines

Typical Applications

- Mobile phones and other handheld devices
- Portable medical devices
- Audio devices
- Automotive
- Alarm devices
- Payment terminals

Part Number	Contact Type	Actuation Force	Contact Material	Travel	Actuating Force	Operating Life
KSU213WLFQ	SPST NO	1.1 N	Gold	0.65 mm - 0.45/+0.25 mm	1.1 N ± 0.8 N	100,000 cycles

SDS Series Micro Miniature Surface Mount Detect Switch



Features/Benefits

- Low profile package sits just 2mm off PCB
- 2mm overtravel ideal for detector applications
- Low actuation force (75 grams max.)
- RoHS compliant and compatible

Typical Applications

- Medical devices
- Consumer electronic devices
- PCB lock cam detect
- Smart card detect
- ATCA and MicroTCA

Part Number	Contact Type	Contact Rating	Contact Material	Total Travel	Over Travel	Operating Life
SDS0001	SPST NO	100 mA @ 12 VDC	Silver	2,0 mm	1,65 mm	50,000 cycles

KSC4D Series Sealed Detect Switch for SMT



Features/Benefits

- Soft actuator
- J or G terminations
- Tape & reel
- IP 67

Typical Applications

- Automotive
- Cellular phones
- Industrial electronics
- Computer infrastructure and IT

Part Number	Actuator Height	Operating Force	Contact Material	Electrical Life
KSC4D2J50SH	5,2 mm	2.0 N	Silver	2,000,000 cycles

KSJ Series Sealed Detect Switch for SMT



Features/Benefits

- Straight or vertical detect
- Spherical actuator allows actuation +/- 30°
- High travel
- Adapted for cam actuation

Typical Applications

- Automotive
- Industrial electronics
- Computer infrastructure and IT

Part Number	Operating Force	Contact Material	Electrical Life	Travel
KSJ0VD180SH LFT	6.0 N	Silver	100,000 cycles	0,50 ± 0,25 mm

KM Series Subminiature Detect Switches



Features/Benefits

- Reliable contact design
- Available with pretravel and overtravel
- Contact rating Gold 0.4 VA MAX. @ 20 V AC OR DC MAX.
Silver 0.25 AMPS @ 125 V AC OR DC

Typical Applications

- Alarm systems
- Computers
- Detector switch application

Part Number	Function	Actuator	Terminations	Contact Material	Electrical Life
KM1202A08BE	On-Mom., SPDT	.398" high, .122" dia.	Right angle, PC thru-hole	Gold	10,000 cycles
KM1202A08QE	On-Mom., SPDT	.398" high, .122" dia.	Right angle, PC thru-hole	Silver	10,000 cycles

MPS Series Magnetic Proximity Sensors



Features/Benefits

- Long life—4M operations
- Sealed contacts
- Quality construction
- Quick and easy installation
- Contact rating 3.0 W max. @ 30 V DC or 30 V AC max. @ 0.3 AMP max.;
- 1.0 msec. max. operate time (including bounce); 1.0 AMP max. carry current.

Typical Applications

- Automotive sensors and indicators
- Industrial sensors
- Factory automation equipment

Part Number	Function
MPS45WGW	Subminiature surface mount (adhesive or flange), side exit leads, 1" make gap.

HS Series Hook Switch



Features/Benefits

- Connect headsets and phones
- Various lever designs

Typical Applications

- Telecommunication
- Computer peripherals

Part Number	Contact Type	Operating Force	Releasing Force	Operating Life
HS-2206-A1 NS	DPDT	50 ± 20 gf	10 gf min.	300,000 cycles

RB Series Rolling Ball Sensor Switch



Features/Benefits

- Compact shielded design
- 10 degree angle of detection
- Conductive ball is movable inside tube to generate signal and control

Typical Applications

- Movement detection
- White goods
- Consumer electronics

Part Number	Contact Type	Contact Rating	Sensor Angle	Operating Life
RB-231X2	SPST	5 V DC / 1mA resistive load max	0° to -10° scope inside	100,000 cycles
RB-220-07A R	SPST	5 V DC / 1mA resistive load max	15° to 90° scope inside	100,000 cycles
RB-441-45	SPDT	24 V DC / 25 mA	45° ± 15°	100,000 cycles

Note - this catalog represents a small sample of C&K part numbers. C&K has over 55,000 part numbers available.

Please refer to the C&K full line catalog for a complete list of products and configurations.

Dimensions and specifications subject to change.