C&K has been providing innovative customer solutions for over 50 years. With its worldwide manufacturing, engineering and sales support, C&K is focused on delivering customer satisfaction with superior products, processes and services.

Through close partnerships with our customers, C&K continues to expand its offering to fully integrate our core switch products into customer specific interface solutions.

C&K products for Avionics and applications include:
• Key and tactile switches for cockpit panel dashboard, printers, interior lighting and security systems
• DIP key switches and toggles for general electronic equipment
• Illuminated tactile push buttons for dashboard control units
• Key switches for piloting joysticks and passenger server unit applications
• SIM card reader for entertainment communication systems

C&K’s extensive offering also includes navigation, detect, rocker and slide components as well as snap acting, rotary, switchlock and thumbwheel.

Our process starts by listening to our customers and the challenges they face integrating C&K switch products into their end products. Our trained sales and engineering teams work closely with our customer’s product design teams to integrate our switch knowledge into cost effective model and assembly solutions.

• C&K maintains regional design centers in Newton MA USA, Dole France, and Huizhou China to service your needs. C&K offers extensive and quick turn prototype services.
• Our analytical tools include: 3-D CAD modeling, mold flow analysis, FEA, dynamic motion analysis, high speed photography, fixed and dynamic X-ray, thermal imaging, SEM / FTIR, light propagation analysis, sound chamber and force / displacement tester.

Please visit www.ckswitches.com to view C&K’s full product offering and list of partners and distributors. If you need any additional information or have any question, please contact your local customer representative.
GENERAL ELECTRONICS

C&K products: All DIP, ML Toggles, AP / NP

Main specifications:
- DIP Series:
  - Low profile
  - Multiple types available
  - Multiple position configurations
  - Washable
  - TOF and KOF versions available
- ML Toggles Series:
  - Qualified to MIL-D-38999
  - Slant in-line selective gold contact plating
  - Epoxy sealed terminals for process compatibility
  - Rated for high level of SAI resistive loads and 2A interactive loads
  - Plastic reinforced housing material

AP / NP Series:
- SAI
  - Operating temperature: –15°C to 105°C
  - Multiple housing styles
  - Up to SAI resistive load
  - Operating life: 100K life cycles

JOYSTICK APPLICATION IN THE COCKPIT

C&K products: K12S

Main specifications: K12S Series
- Positive tactile feeling
- Operating temperature: –40°C to 85°C
- Perfect for harsh environment application
- IP67
- Illuminated version available
- DPST and detect version available
- Operating life: more than 1000K life cycles

ENTERTAINMENT COMMUNICATION SYSTEM

C&K products: CCM03

Main specifications: CCM03 Series
- SIM/SAM card acceptance
- Operating temperature: –40°C to 85°C
- Hinged and fixed covers
- Compatible with pick and place and lead free soldering
- Operating life: 10K to 50K life cycles

FLIGHT CONTROL UNIT

C&K products: PBA, EDM

Main specifications:
PBA Series
- Positive tactile feeling
- Operating temperature: –30°C to 85°C
- Illuminated display
- Short travel
- Self cleaning
- Operating life: 100K life cycles

EDM Series
- Positive tactile feeling
- Operating temperature: –55°C to 85°C
- Short travel
- Self cleaning
- Operating life: 1000K life cycles

PASSENGER SERVER UNIT

C&K products: K5U, KSC

Main specifications: K5U, KSC Series
- Sealed against flux for K5U / IP67 for KSC
- Operating temperature: –40°C to 125°C
- Spherical actuator allows actuation force off center +/- 30° with regard to travel for K5U
- Operating life: more than 100K life cycles for K5U
- 100K to 1000K life cycles for KSC

INTERIOR LIGHTING AND SECURITY SYSTEM

C&K products: PVA, EDM, KSJ

Main specifications:
PVA Series
- Compact design
- Operating temperature: –40°C to 85°C
- Short stroke to latch
- Wide variety of actuator heights, forces and styles for PVA
- Adapted for medium power applications
- Operating life: 1000K life cycles

EDM Series
- Positive tactile feeling
- Operating temperature: –55°C to 85°C
- Illuminated display
- Small size
- Cold lighting
- Operating life: 1000K life cycles

PVA Series
- Positive tactile feeling
- Operating temperature: –55°C to 85°C
- Short travel
- Self cleaning
- Operating life: 1000K life cycles

PVA Series
- Illuminated display
- Short travel
- Self cleaning
- Operating life: 1000K life cycles

www.ckswitches.com