is designed for automotive camera module.

The SCT61441S integrates one 3A HV Bu identical 2A LV Buck and a 400mA LDO. Each output is continuously monitored, any voltage/under-voltage fault will be detected device will enter RESET state. All output volta pre-programmed, which saves external f divider and minimizes system solution. The s frequency of HV Buck is 2.2MHz/400kHz se The switching frequency is fixed 2.2MHz for converters The device features Frequency Spectrum (FSS) with programmable jittering the switching frequency and modulation freq reduce the conducted EMI.

The device also integrates simple watchdog m QA watchdog mode. The dedicated WDI pi trigger pulse generated by MCU. Progra watchdog window is suitable for a wide va applications. The RESETB output can sequencer of MCU to protect it from device fau

The SCT61441S device has protection featur as thermal shutdown, short-circuit protection a voltage protection. Disabling all outputs via reduce the quiescent current to 0.85 mA.

The device has Built-in Self-Test (BIST) Diagno internal analog and digital circuits. All comparator and data will be checked during p stage.

The device is available in a QFN-24(4m Package.

APPLICATIONS

- ADAS
- OMS/DMS
- Safety MCU

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