

Multiple Output Step-up DC/DC Converter

The KIB3461QN is a totally programmable multiple output power supply specifically designed to power Organic LED displays. The device can power AM OLED. The KIB3461QN includes total 4 outputs. Three are used to drive R/G/B OLED. one is used to drive scan. The interface to the system is primarily via the I²C port. The KIB3461QN is only one error amplifier, 5 comparators, a RS flip-flop, off-chip adjustable oscillator, 5 dead-time control level shift drivers, a digital output and current limit protector. There are four step up regulators with synchronous power switches. One(VGP) powers about 1.5V higher than R/G/B supply voltage. KIB3461QN is mounted at small & thin TQFN[5x5mm²] package.

Features

*Not recommended
for new design*