

# Optocoupler MOSFET driver (2 channels)

Pos.in

5V at low load (Optocoupler, Inverter, LogicLevelFET)  
use L4940 U5 (LowDropReg) instead of 7805 as long as Uout=5V (max input 12V)

7.5V standard (optocoupler)

Inverter, Mosfet Driver 8V, LLFet

24V for MOSFET Gate Driver  
power supply (-> Uadj 17V)

Heatsink 8,8 mm stirk 2,8mm

Heatsink 8,8 mm stirk 2,8mm

neg in (optional)

$$U_{adj} \sim 1.25V \times (1 + \frac{R_{L}}{R_{H}}) \times (\frac{I_{adj}}{I_{R}})$$

$$I_{adj} = 0.055mA$$

$$17V \approx 3.1 k\Omega$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

the two output channels have the same ground

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$

$$C_{L\_OUT}$$