

Row Driver ICN2018

Description

ICN2018 is a 8-channel power switch for LED display. ICN2018 Integrated 74HC595 (8-bit serial-in, serial parallel-out shift register) and 8 Channel P-Channel Enhancement Mode MOSFET driver.

ICN2018 used for LED display could instead of 1Pcs 74HC138 and 4 Pcs 4953. ICN2018 also integrated Ghosting Reduction, Caterpillar Cancelling and LED Protection circuit.

Features

- Integrated 74HC595 (8-bit serial-in, serial parallel-out shift register)
- 8 Channel P-Channel Enhancement Mode MOSFET driver
- P-MOSFET $R_{ds(ON)}$ 100 m Ω , Max output current 2.5A
- Ghosting Reduction
- Caterpillar Removal for LED Short
- LED Protection
- Max Power Dissipation <650mW @ $V_{DD}=5V$ & $I_{vdd}=2.5A$