

EW9610-C is a 10-channel high voltage level shifter, which converts the timing-controller (TCON) logic-level signals to high level signals needed by the gate-in-panel (GIP) display. EW9610 is available in the WQFN-32L 4x4 packaging, and is suitable for GIP TFT-LCD panels.

Level shifter is designed for generating a high voltage signal to drive the TFT-LCD panels. It provides 10 outputs (STV1_LS, STV2_LS, VGP1_LS, VGP2_LS, CK1_LS ~ CK6_LS) which are switching from VGL_GOP to VGH, with capacitive loads up to 5nF. It also integrates reset function. As long as VIN reaches RESET level, all channels will be pulled to VGH.

Features

- 10-Channel Level Shifter
- High Output Voltage Level -18V to 42V
- Selectable TCON Mode
 - 2 In 6 Out Mode
 - 6 In 6 Out Mode
- Selectable Charge Sharing Mode
 - No Charge Sharing
 - 2-Channel Charge Sharing
 - (ch1/ch4, ch2/ch5, ch3/ch6)
- Reset Function
- Protection
 - Over Current Protection (OCP)
 - Over Temperature Protection (OTP)
- Support 500-kHz Clock Operating Frequency
- 32-Pin 4mm x 4mm WQFN Packaging

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