MBI5039   16-Channel Constant Current LED Sink Driver with Silent Error Detection and Current Gain

Control the Output Ports

The data is shifted from the SDI to the 16-bits shift registers. When both the LE is asserted and no CLK toggles when the LE is high, the data in the shift register is latched to the output latch. This is so-called "series-in parallel out" mechanism.

When the $\overline{OE}$ is low and the data in the output latch is "1", the output channel is turned on and the current sinks into the output port. If LEDs are connected to the output port with adequate power source, the LEDs will be lit up with the pre-set current.

: don't care

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