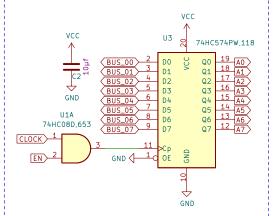
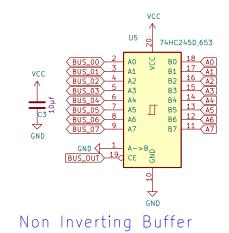
8bit General Purpose Register



8bit Register

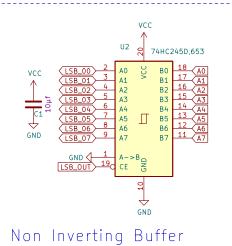
This will latch in data from the Data BUS with the rising edge of the clock and a HIGH signal on EN line



When BUS_OUT is set LOW, this register will assert its value out onto the DATA BUS

VCC

74HC245D.653



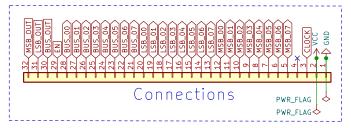
When LSB OUT is set LOW, this register

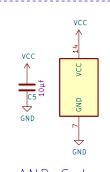
will assert its value out onto the LSB BUS

Non Inverting Buffer

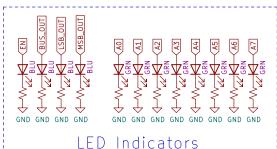
MSB 06

When MSB OUT is set LOW, this register will assert its value out onto the MSB BUS





AND Gate Used to Enable the Register along with the Clock Pulse



C6 100μf

Stores a byte of data and asserts it to two different busses.

MSB_OUT LSB_OUT BUS_OUT EN CLK

- Outputs to MSB of Address Bus - Outputs to LSB of Address Bus - Outputs to Data Bus - Latches Data - Noop

1 - HIGH 0 - LOW x - Dont care

/ - Rising Edge

File: smd-register-array.kicad_sch

Title: 8bit General Purpose Register

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