

- (1) The differential signals in both TX/RX should have equal length and be close to each other, if possible.
- (2) When MOD[2] is HIGH then W5100S operates with BUS mode. If LOW, W5100S operates in SPI mode.
- (3) Decoupling capacitors should be placed close to W5100S.
- (4) To avoid the 100M overshoot, please place the 49.9 resistors and 0.1uF capacitor near the MDI pin of W5100S.
- (5) RSET\_BG is the most important analog pin and users should keep the noisy source away from this pin.
- (6) Option - Apply damping resistors for EMI reduction.
- (7) As close to transformer 2.7 pin as possible

