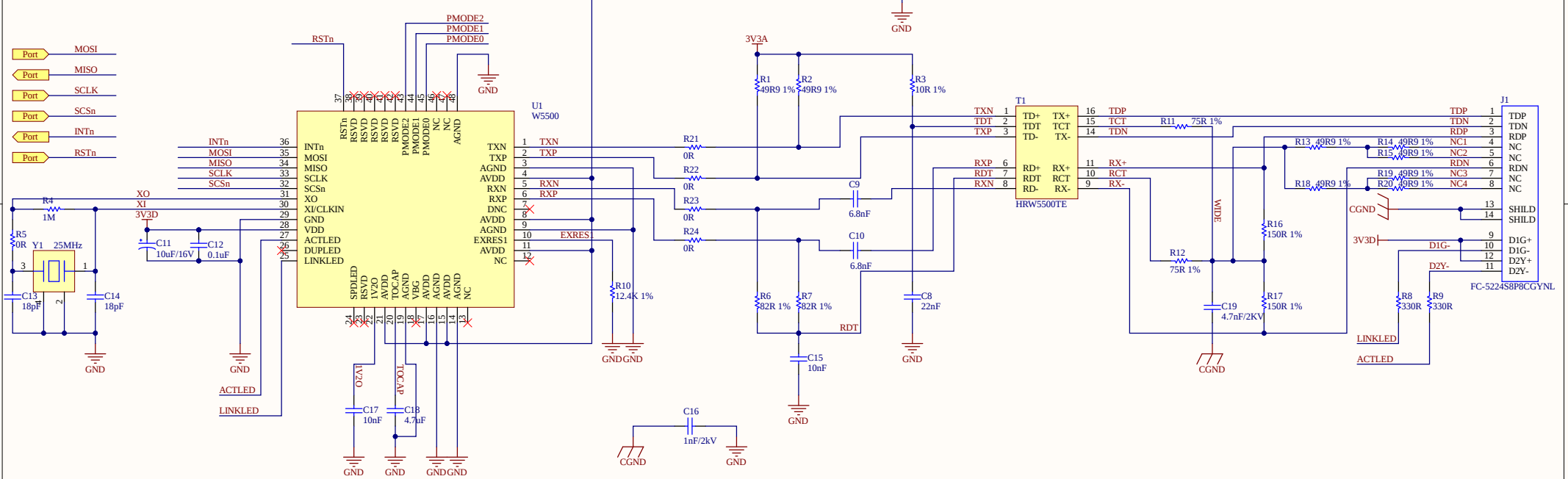


PMODE [2:0]			Description
2	1	0	
0	0	0	10BT Half-duplex, Auto-negotiation disabled
0	0	1	10BT Full-duplex, Auto-negotiation disabled
0	1	0	100BT Half-duplex, Auto-negotiation disabled
0	1	1	100BT Full-duplex, Auto-negotiation disabled
1	0	0	100BT Half-duplex, Auto-negotiation enabled
1	0	1	Not used
1	1	0	Not used
1	1	1	All capable, Auto-negotiation enabled



- (1) Options -For EMI reduction.
- a. Apply Damping resistors.
(In our case, 33ohm was best for EMI reduction.)
 - b. Do not place power jack nearby RJ-45 connector.
 - c. Void power and ground planes under discrete magnetic components.
 - d. Use equal length differential MDI (Medium Dependent Interface) signal traces.
 - e. Use stable power source.
 - f. Use high quality CAT5E.
 - g. Use ferromagnetic bead between digital vdd and analog vdd.
(Impedance of between 100 and 2000 ohms at 100MHz is adequate.)

Title			WIZnet W5500 Referen Schematic
Size	Number	Revision	
A3			
Date:	2026/8/10	Sheet of	
File:		Down By	