

R2 selection

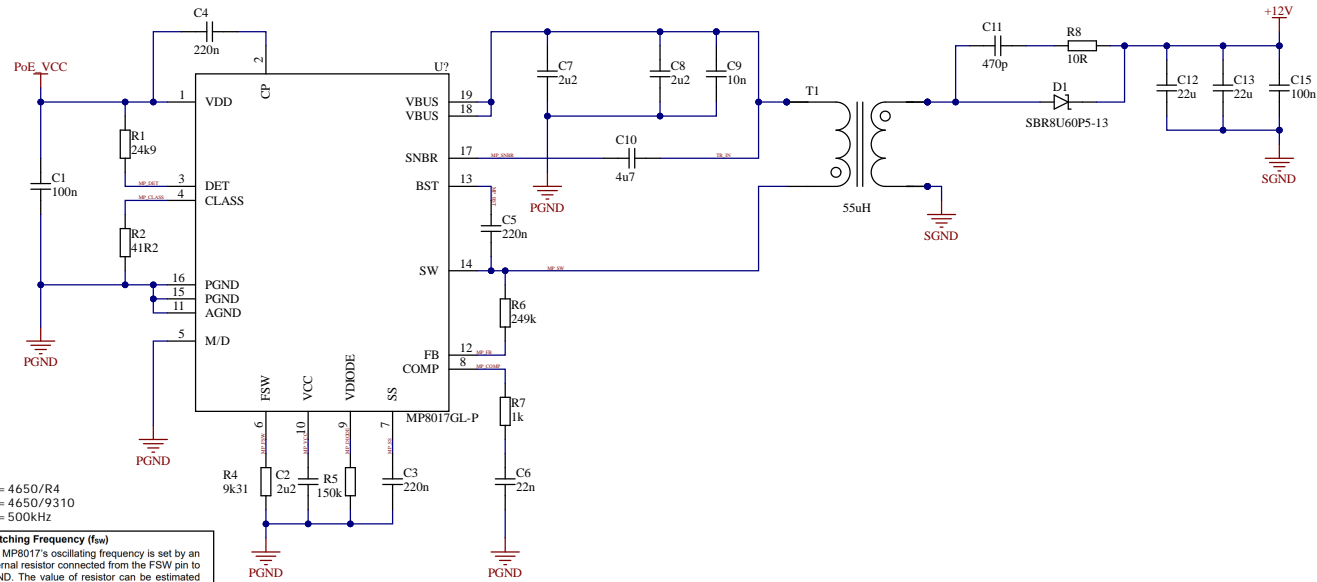
Table 1: CLASS Resistor Selection			
Class	Max. Power to PD (W)	Classification Current (mA)	R _{CLASS} (Ω)
0	12.95	2	578
1	3.84	10.55	110
2	6.49	18.7	62
3	12.95	28.15	41.2
4	25.5	40.4	28.7

FSW = 4650/R4
FSW = 4650/9310
FSW = 500kHz

Switching Frequency (f_{sw})

The MP8017's oscillating frequency is set by an external resistor connected from the FSW pin to AGND. The value of resistor can be estimated with Equation (4):

$$R_{FSW} = \frac{4650}{f_{sw}} \quad (4)$$



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