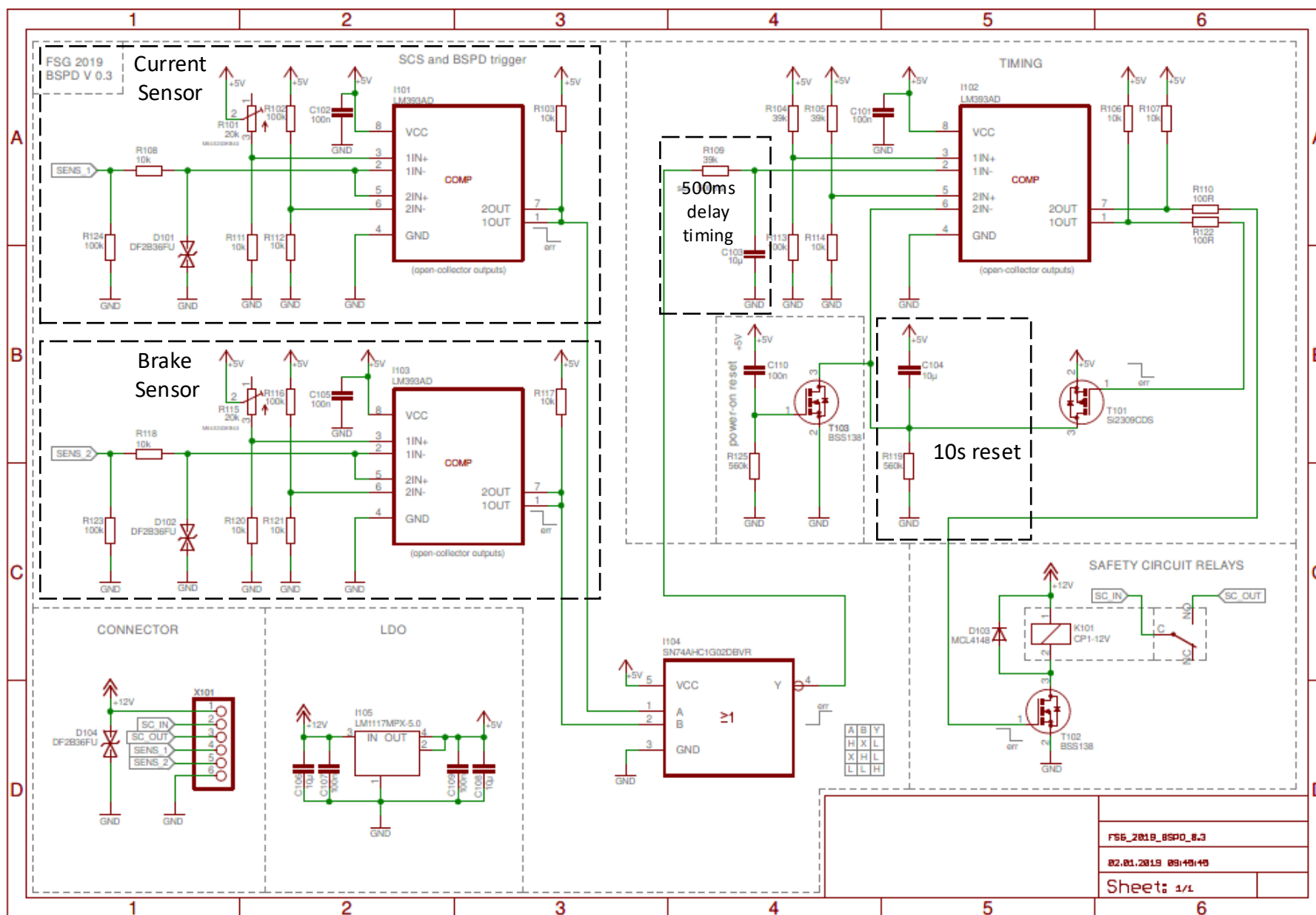


# BSPD PCB (box)



## System Overall

### Test procedure:

1. Apply test current
2. Brake hard

### Test current calculation:

$$I_{\text{test}} = 5\text{kW}/U_{\text{max}} = 5\text{kW}/600\text{V} = 8.3\text{A}$$

4 windings: 2.1A test current

### Voltage @ 8.3A:

Formula from current sensor datasheet (a and b are sensor parameters)  
 $V = a \cdot 8.3\text{A} + b = 2.7\text{V}$   
 $\rightarrow R_{101} = 8.52\text{k}$

