

1

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A

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B

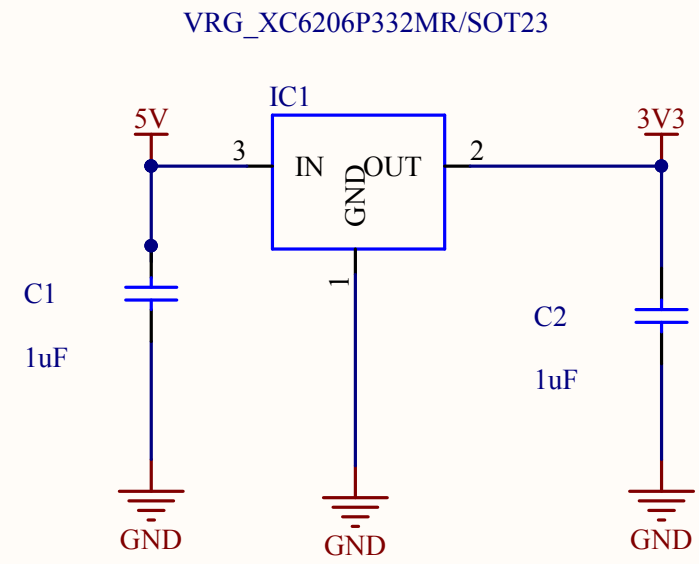
B

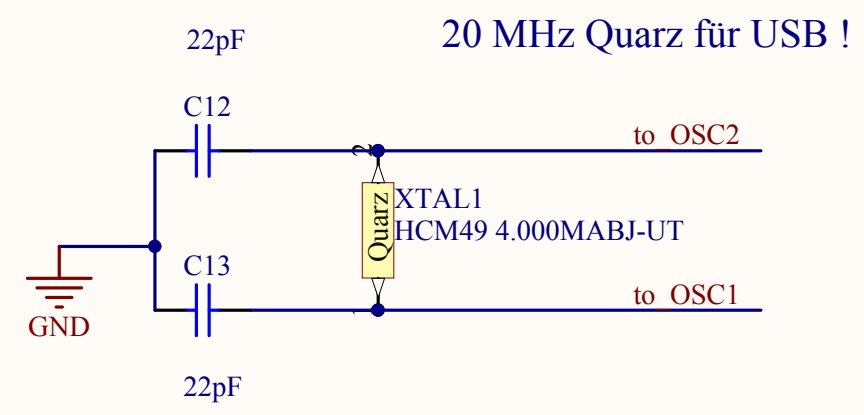
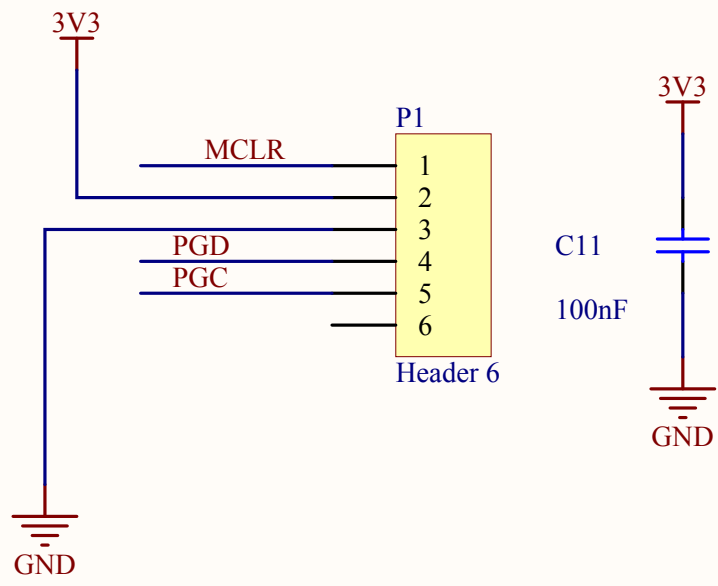
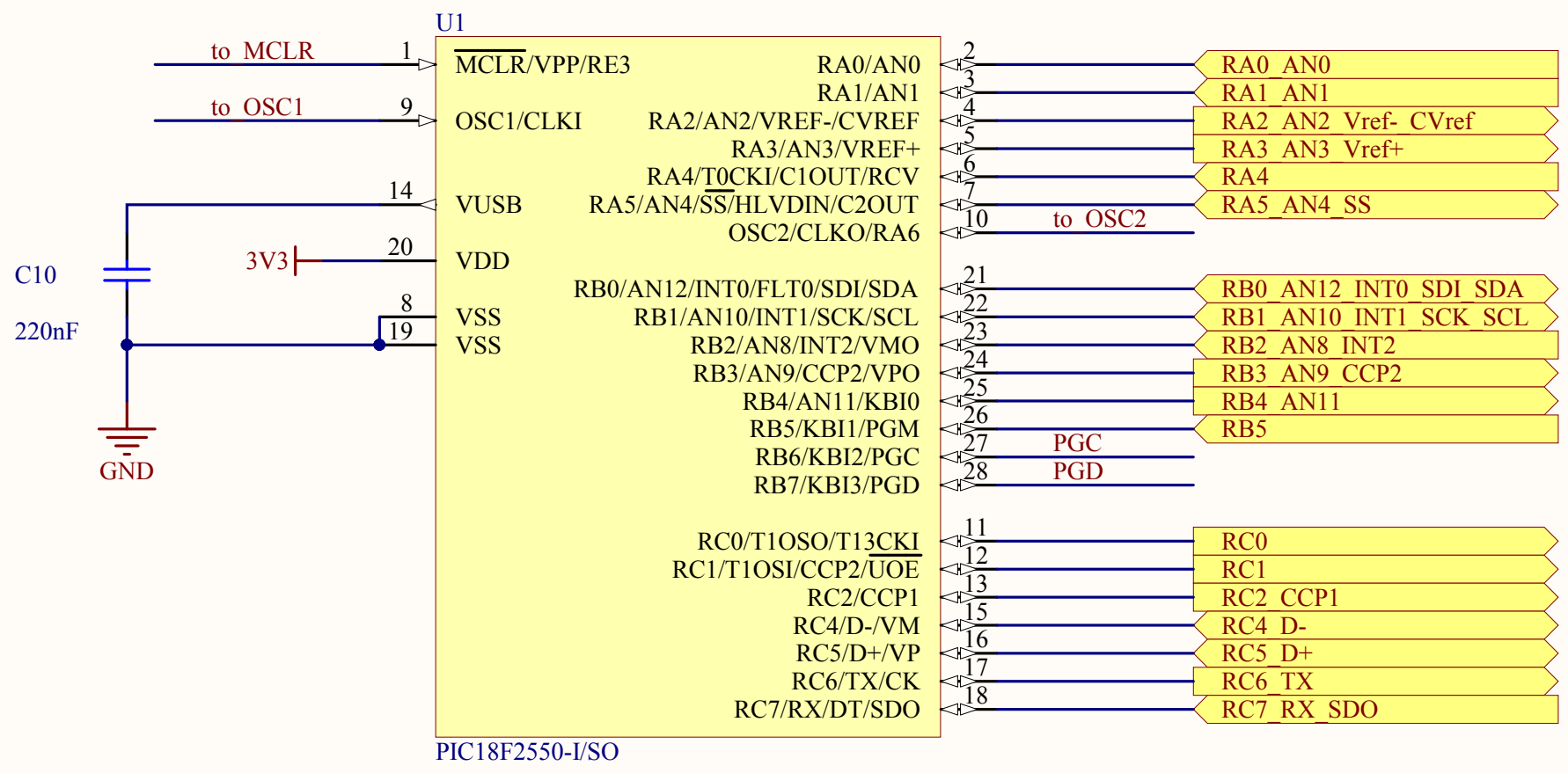
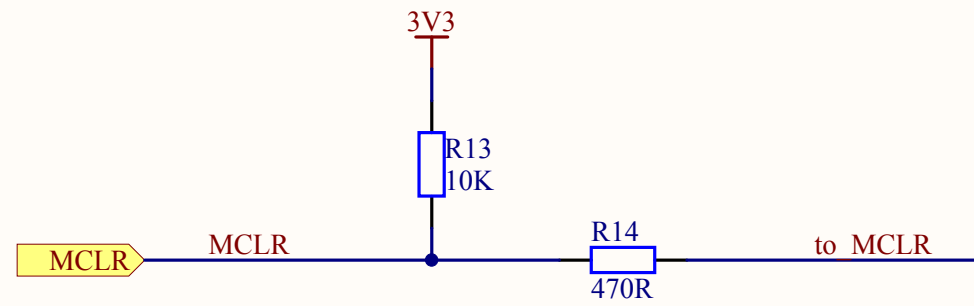
C

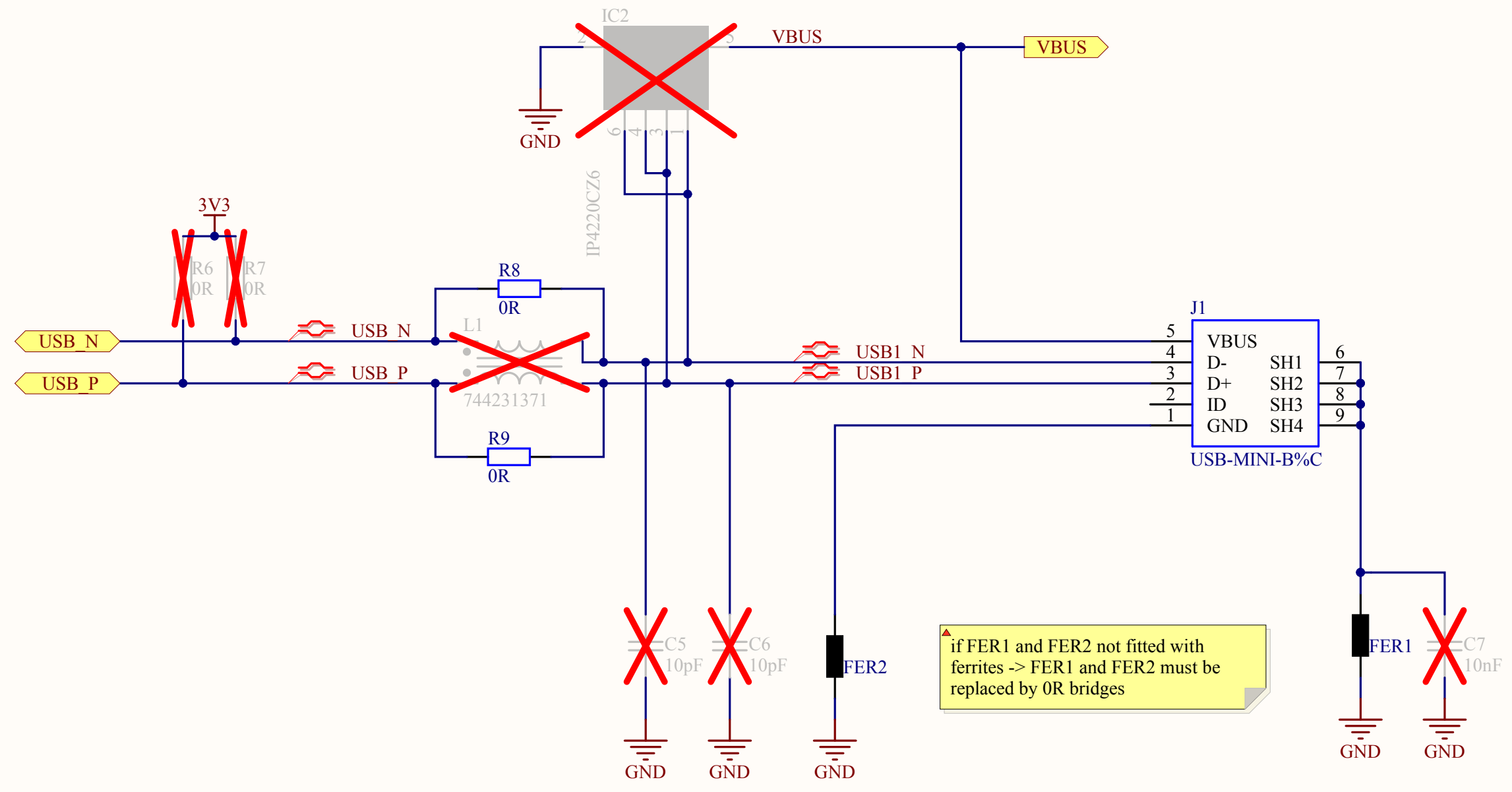
C

D

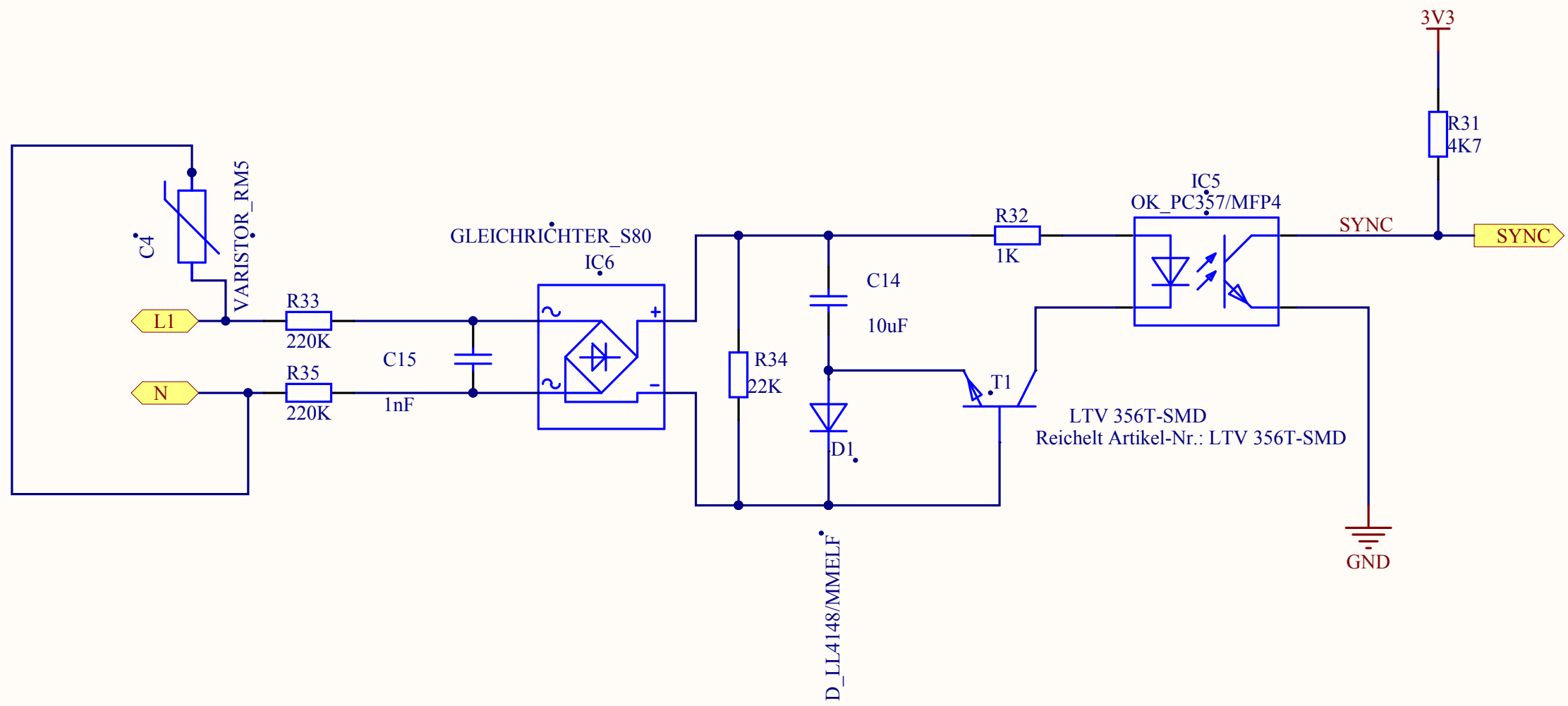
D

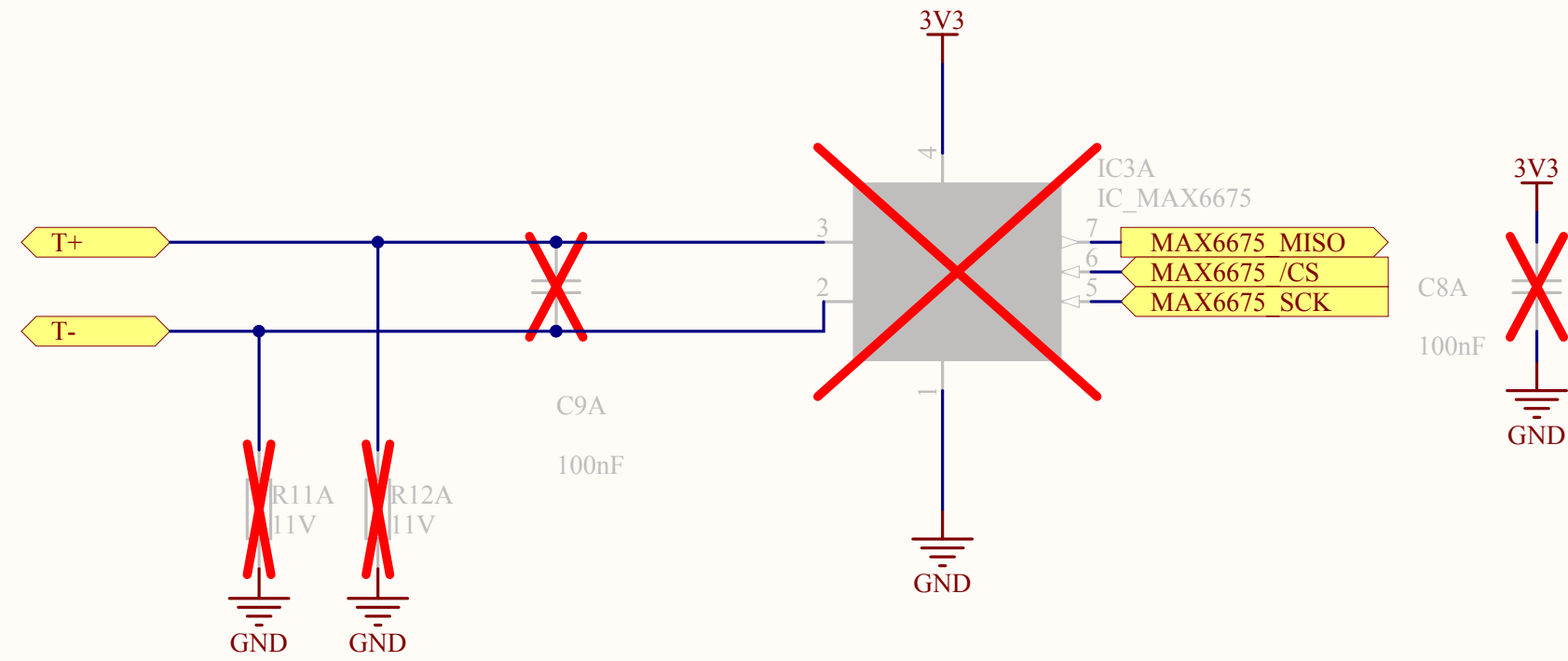


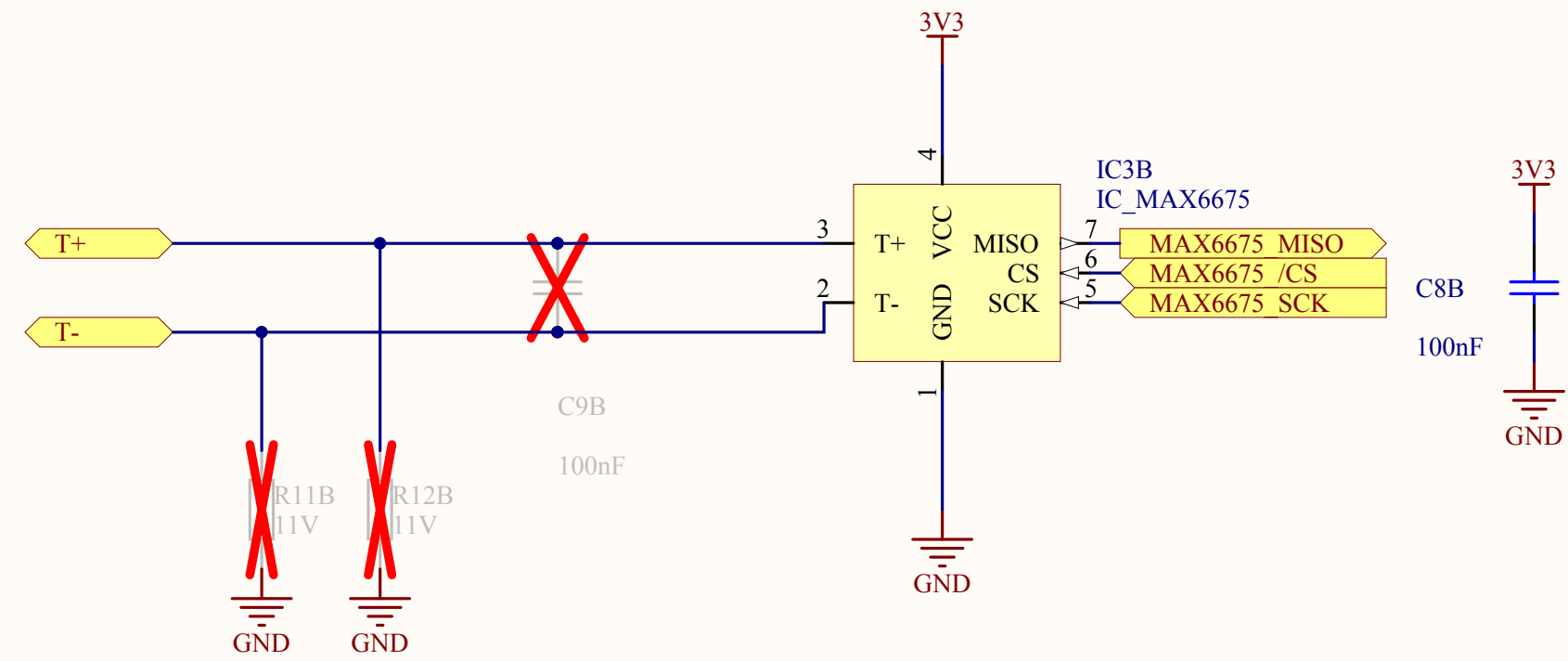




▲ if FER1 and FER2 not fitted with ferrites -> FER1 and FER2 must be replaced by OR bridges







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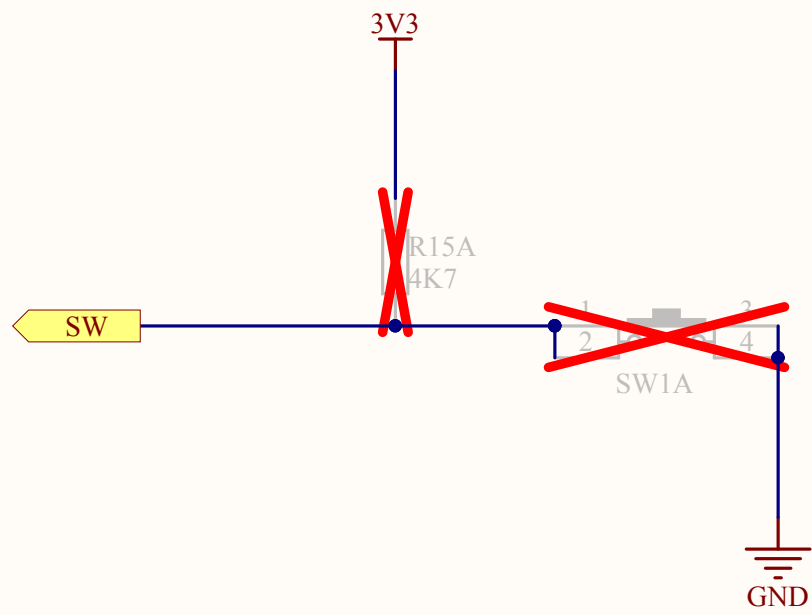
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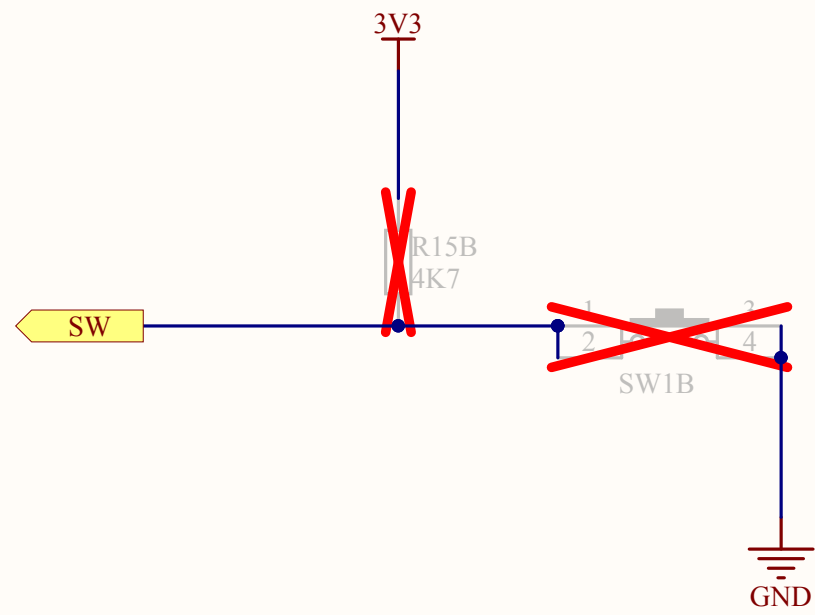
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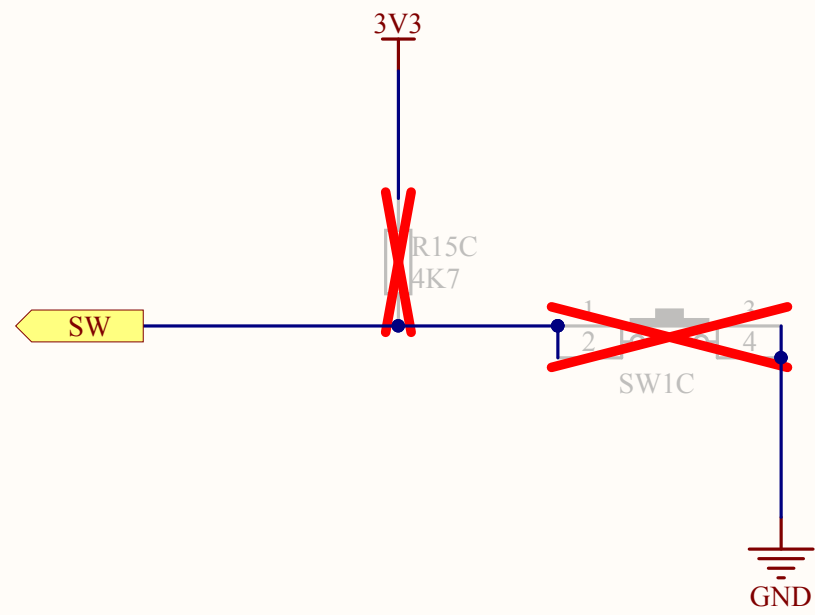
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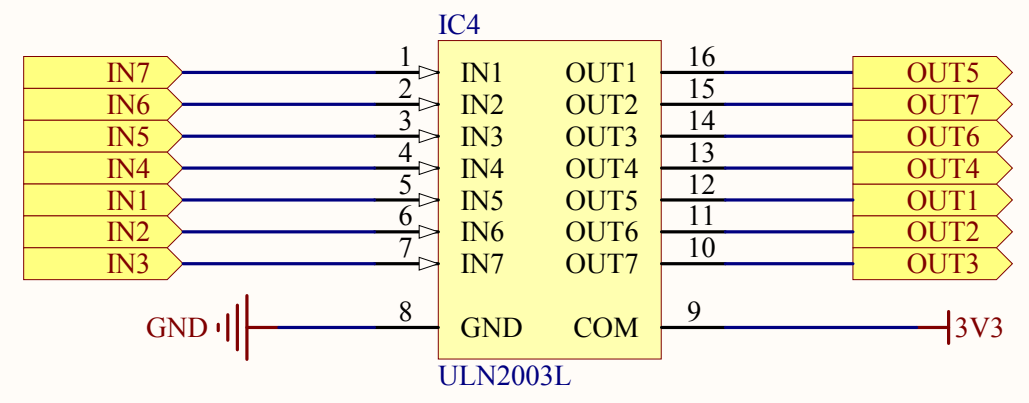
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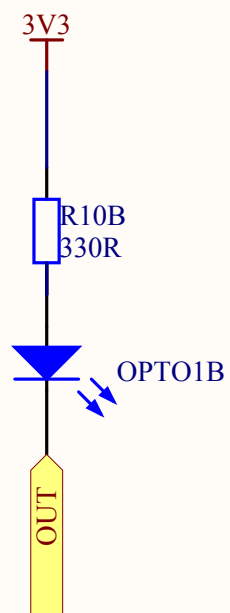
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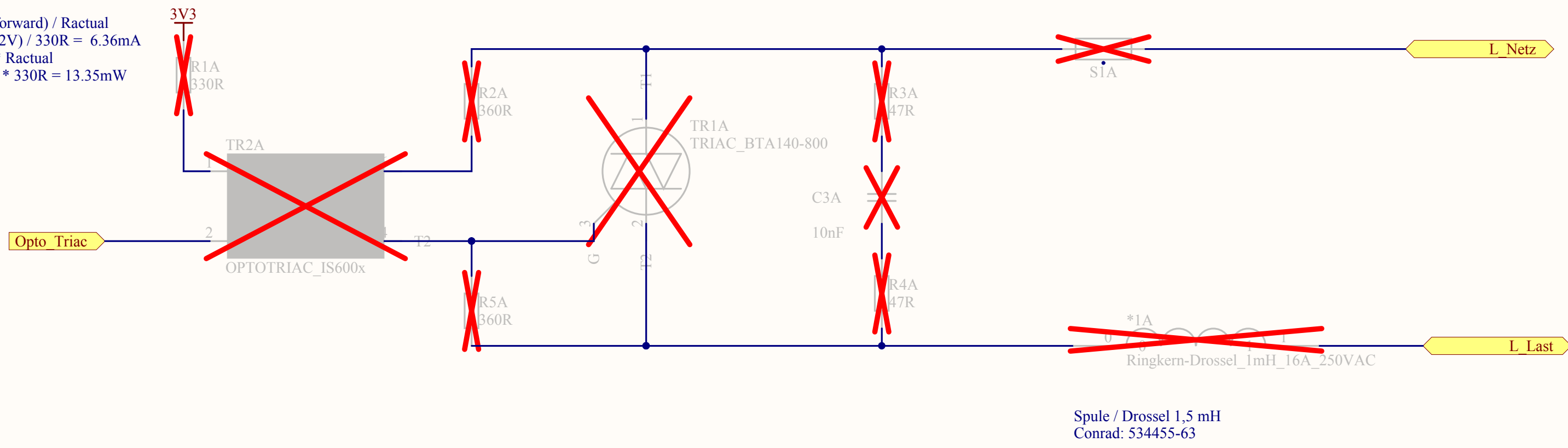
1

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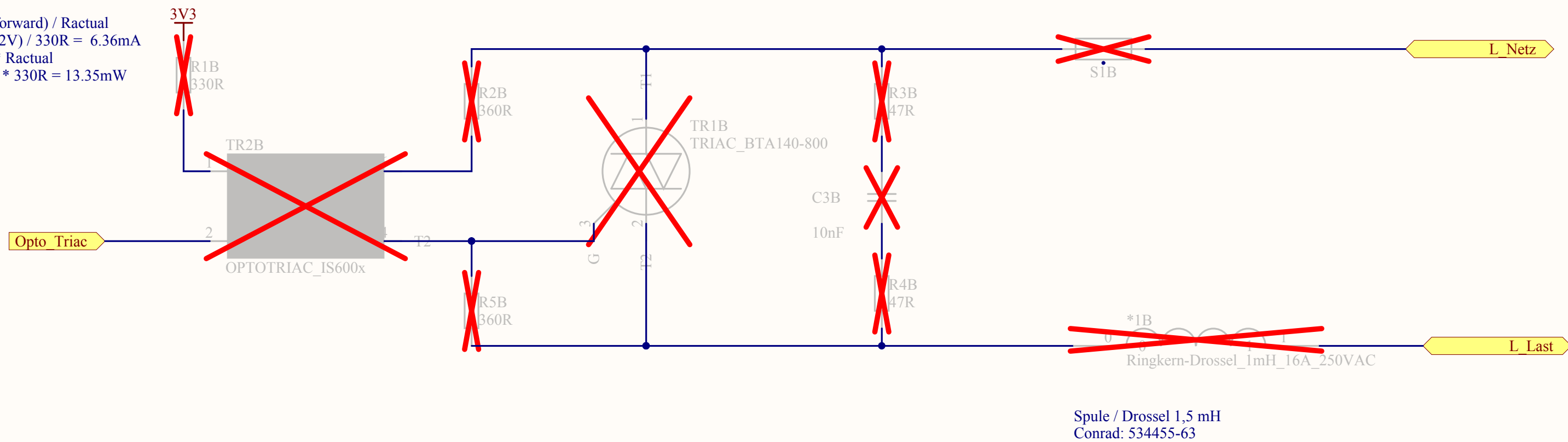
3

4

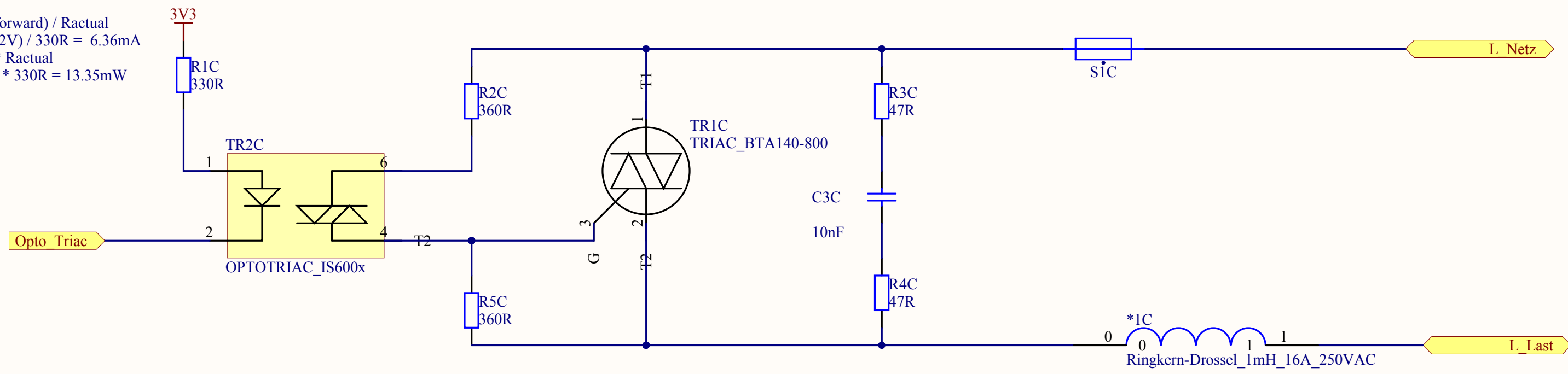
$V_{forward} = 1.2 \text{ to } 1.5 \text{ V}$
 $I_{forwardToTrigger \text{ IS6005}} = 5 \text{ mA}$
 $V_{dd} = 3.3\text{V}$
 $R = (V_{dd} - V_{forward}) / I_{forwardToTrigger}$
 $R = (3.3\text{V} - 1.2\text{V}) / 0.005 \text{ A} = 420\text{R}$
 $R_{actual} = 330\text{R}$
 $I_{actual} = (V_{dd} - V_{forward}) / R_{actual}$
 $I_{actual} = (3.3\text{V} - 1.2\text{V}) / 330\text{R} = 6.36\text{mA}$
 $P_{diss} = I_{actual}^2 * R_{actual}$
 $P_{diss} = 6.36\text{mA}^2 * 330\text{R} = 13.35\text{mW}$



$V_{forward} = 1.2 \text{ to } 1.5 \text{ V}$
 $I_{forwardToTrigger IS6005} = 5 \text{ mA}$
 $V_{dd} = 3.3\text{V}$
 $R = (V_{dd} - V_{forward}) / I_{forwardToTrigger}$
 $R = (3.3\text{V} - 1.2\text{V}) / 0.005 \text{ A} = 420\text{R}$
 $R_{actual} = 330\text{R}$
 $I_{actual} = (V_{dd} - V_{forward}) / R_{actual}$
 $I_{actual} = (3.3\text{V} - 1.2\text{V}) / 330\text{R} = 6.36\text{mA}$
 $P_{diss} = I_{actual}^2 * R_{actual}$
 $P_{diss} = 6.36\text{mA}^2 * 330\text{R} = 13.35\text{mW}$



$V_{forward} = 1.2 \text{ to } 1.5 \text{ V}$
 $I_{forwardToTrigger \text{ IS6005}} = 5 \text{ mA}$
 $V_{dd} = 3.3 \text{ V}$
 $R = (V_{dd} - V_{forward}) / I_{forwardToTrigger}$
 $R = (3.3 \text{ V} - 1.2 \text{ V}) / 0.005 \text{ A} = 420 \text{ R}$
 $R_{actual} = 330 \text{ R}$
 $I_{actual} = (V_{dd} - V_{forward}) / R_{actual}$
 $I_{actual} = (3.3 \text{ V} - 1.2 \text{ V}) / 330 \text{ R} = 6.36 \text{ mA}$
 $P_{diss} = I_{actual}^2 * R_{actual}$
 $P_{diss} = 6.36 \text{ mA}^2 * 330 \text{ R} = 13.35 \text{ mW}$



$47 \text{ R to } 100 \text{ R} + 47 \text{ nF to } 100 \text{ nF}$
 e.g. $47 \text{ R} + 22 \text{ nF}$

Spule / Drossel 1,5 mH
 Conrad: 534455-63

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B

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