

A

A

B

B

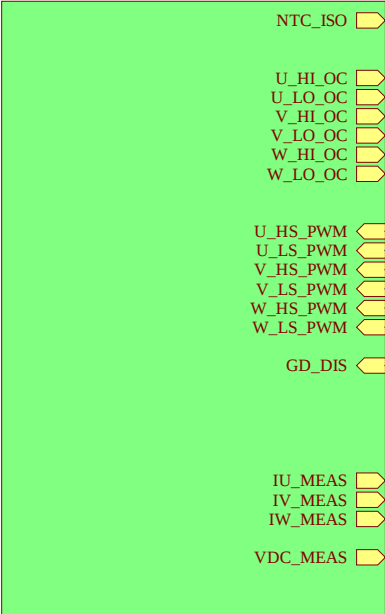
C

C

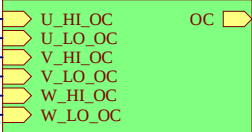
D

D

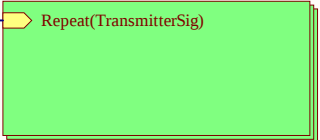
Samtec_HSEC8
Connector_Inverter



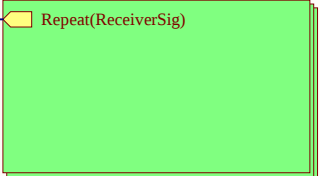
AND IC
OvercurrentDetection



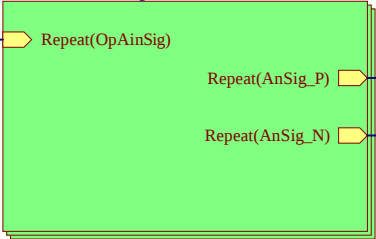
Repeat(T, 1, 2)
Transmitters



Repeat(R, 1, 7)
Receivers



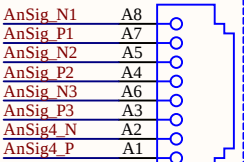
Repeat(OA_CC, 1, 3)
CurrentConditioning



GND



X1

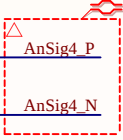
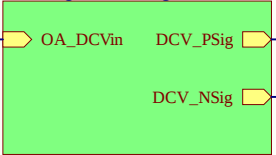


R-J45R10P-B000

Power



OA_DCV
DCVoltageConditioning

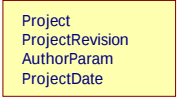


LOGO1



UZ Logo

INFO1



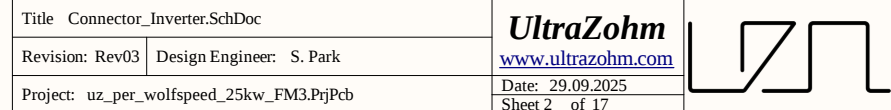
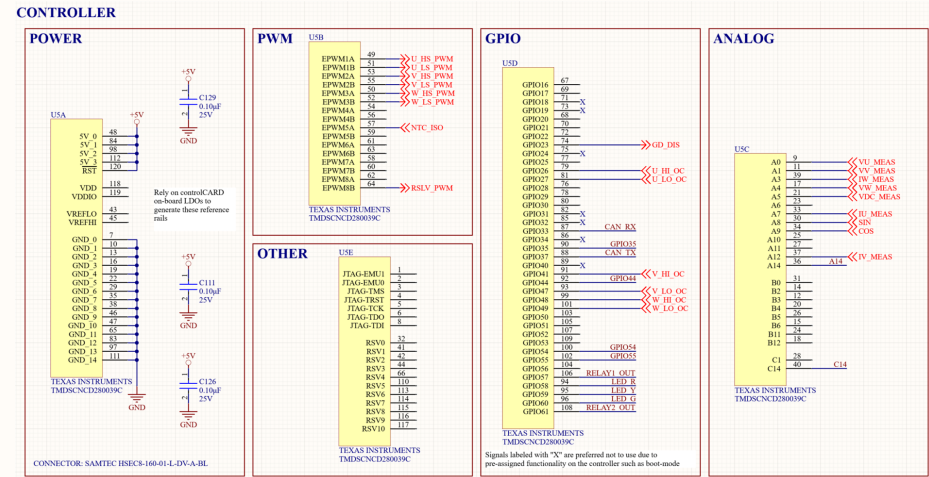
Design Information

Serial1



Title TopSheet.SchDoc		UltraZohm www.ultrazohm.com	
Revision: Rev03	Design Engineer: S. Park		
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D



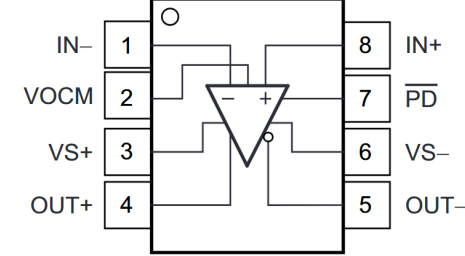
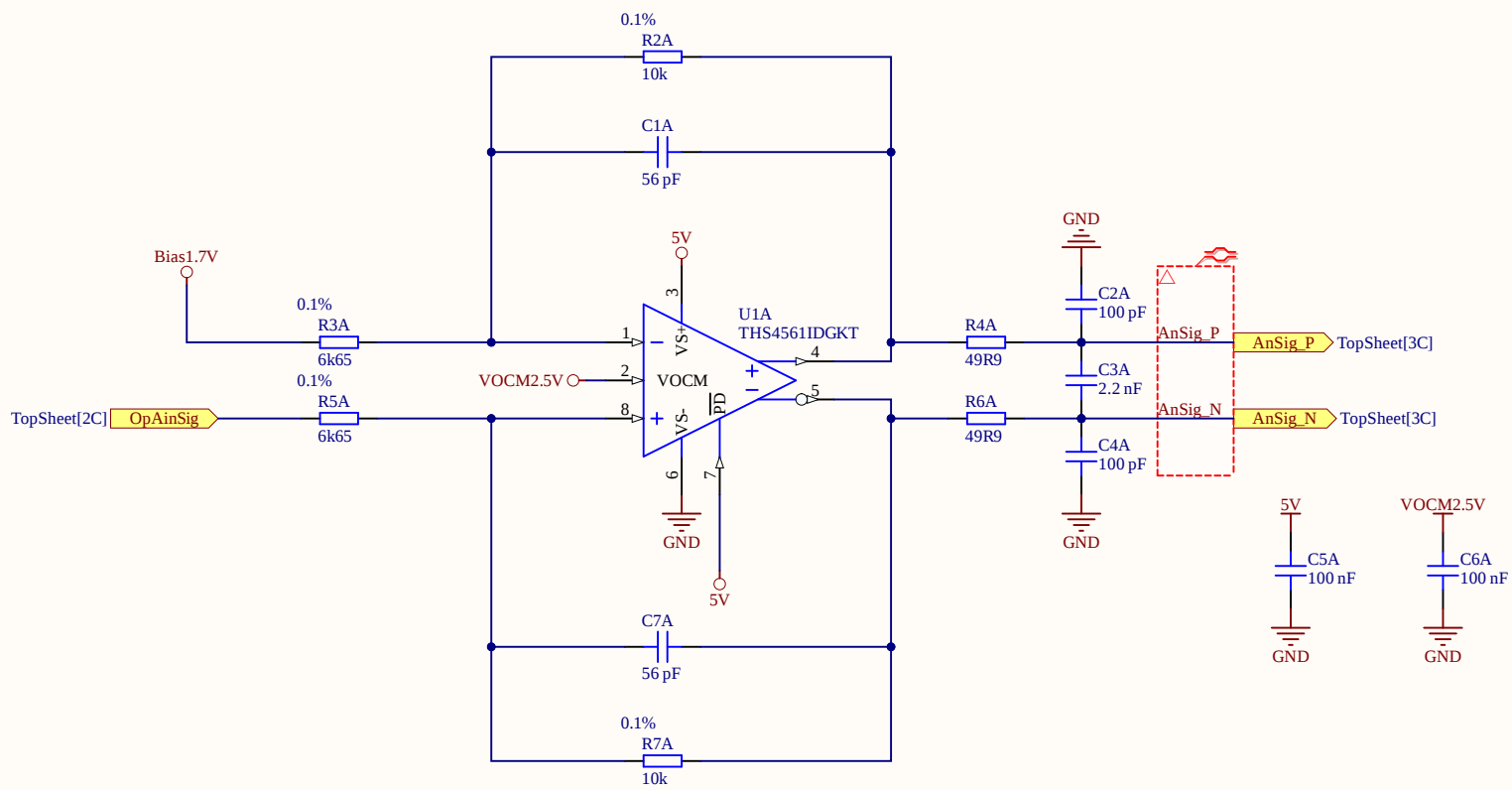


Figure 6-1. DGK Package 8-Pin VSSOP Top View



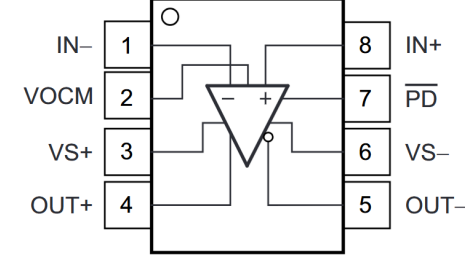
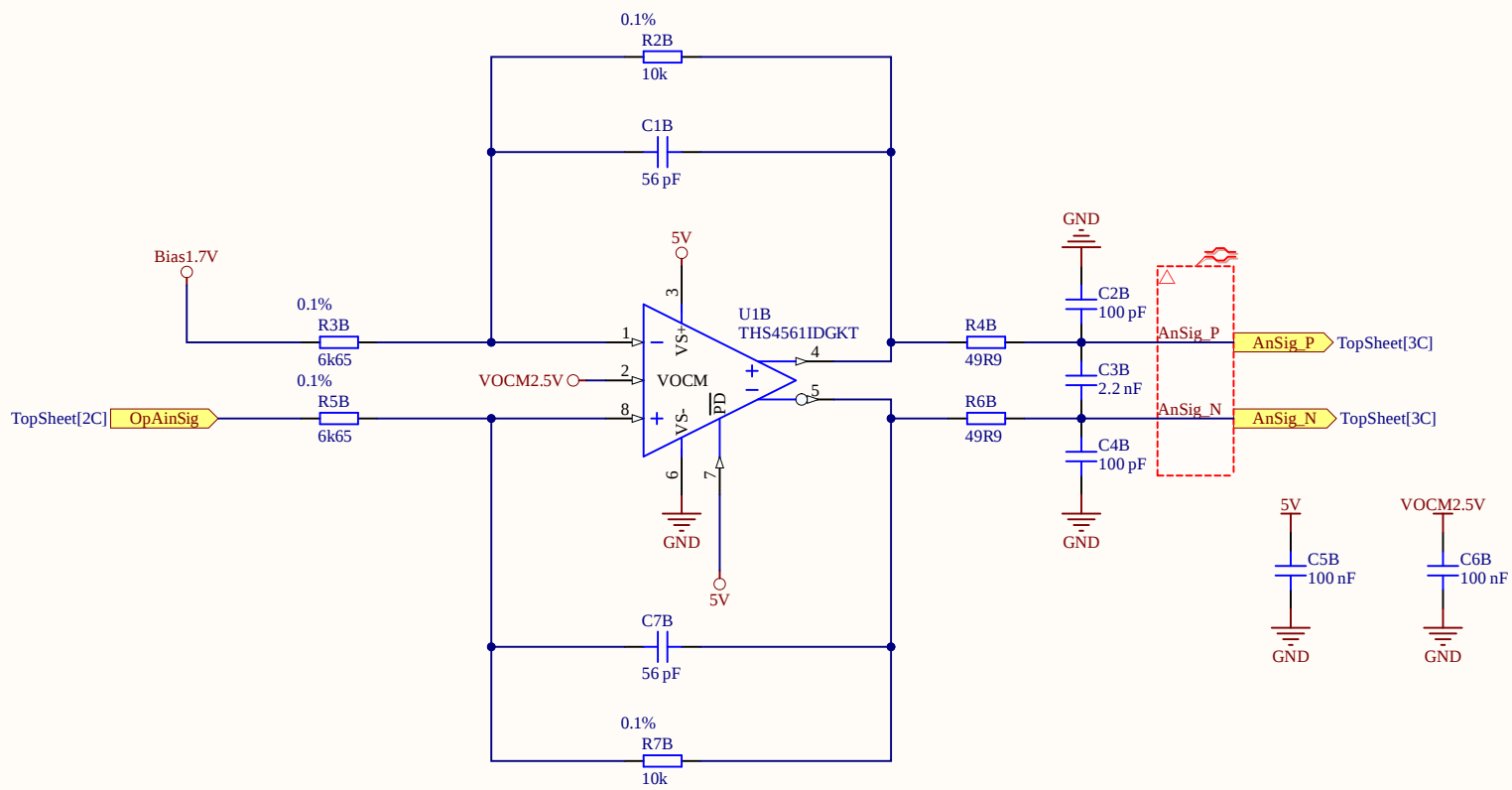


Figure 6-1. DGK Package 8-Pin VSSOP Top View



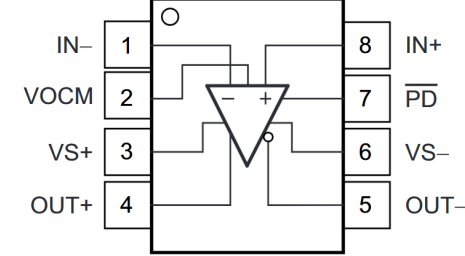
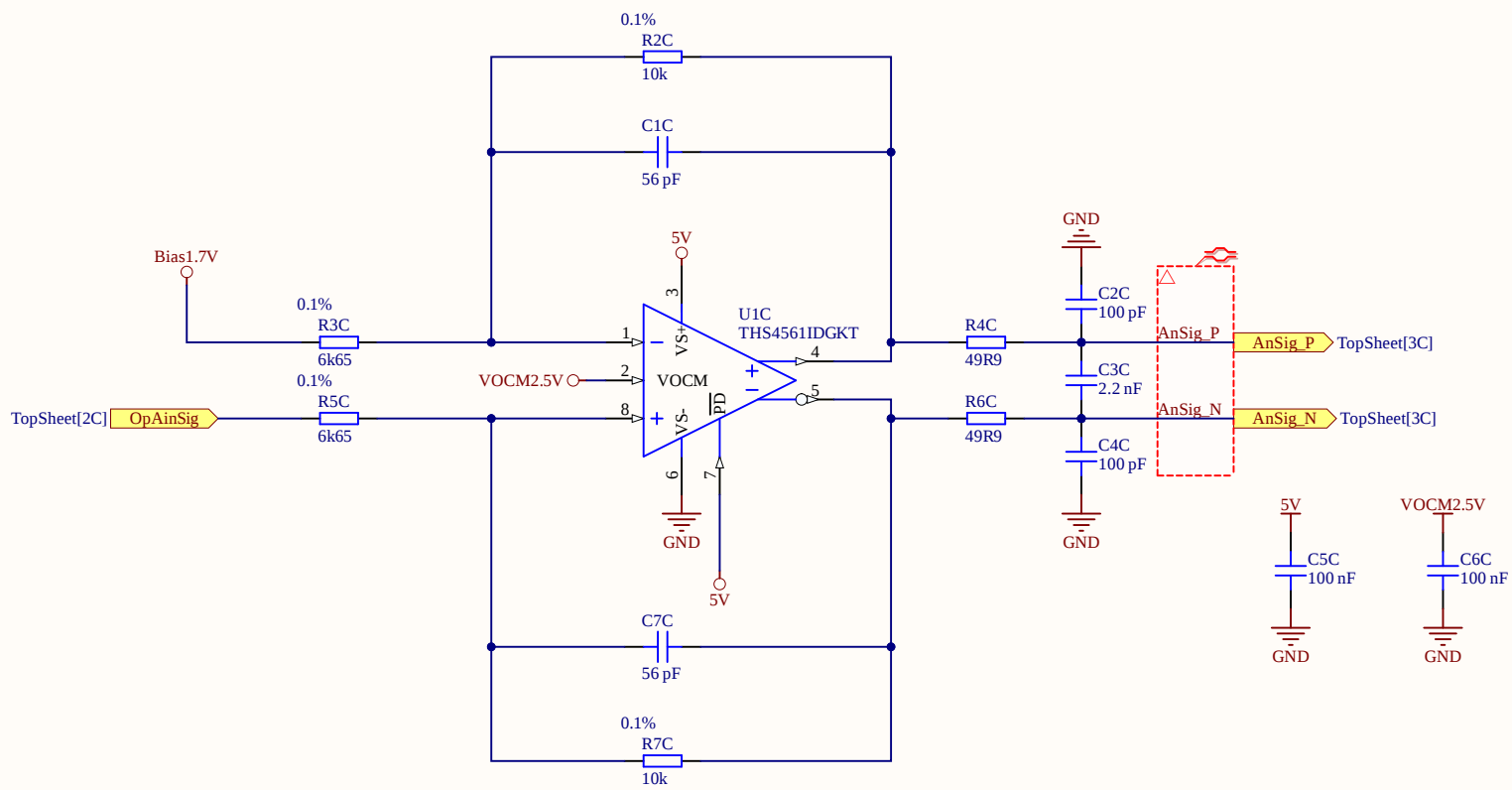
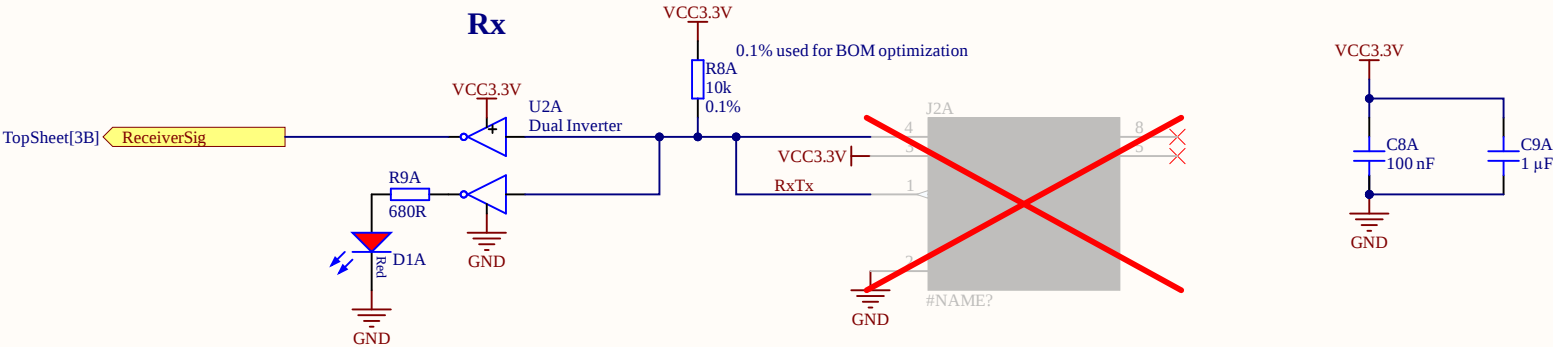


Figure 6-1. DGK Package 8-Pin VSSOP Top View



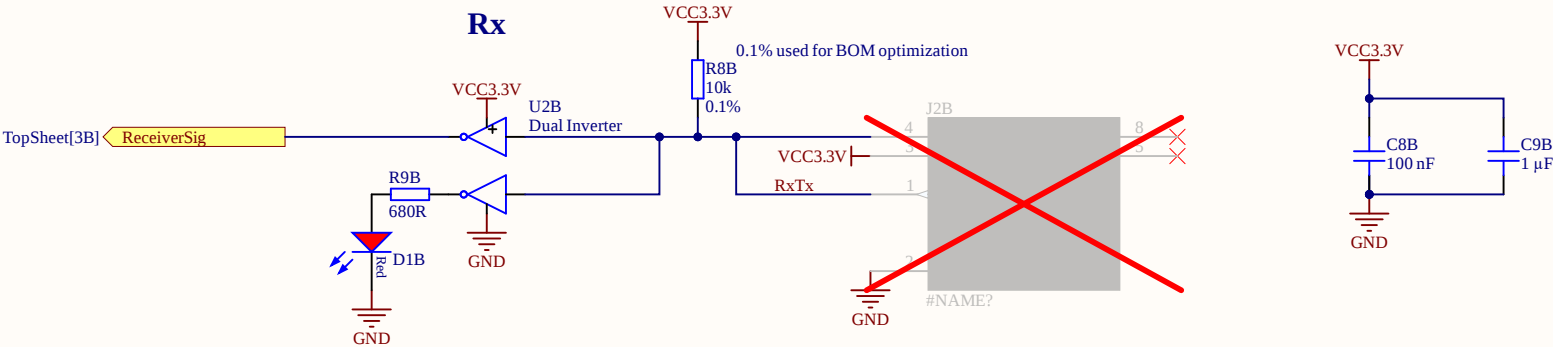
Poor Mans Table of Truth for Rx

Receiver LED	Node RxTx	LED D2
OFF	HIGH	OFF
ON	LOW	ON



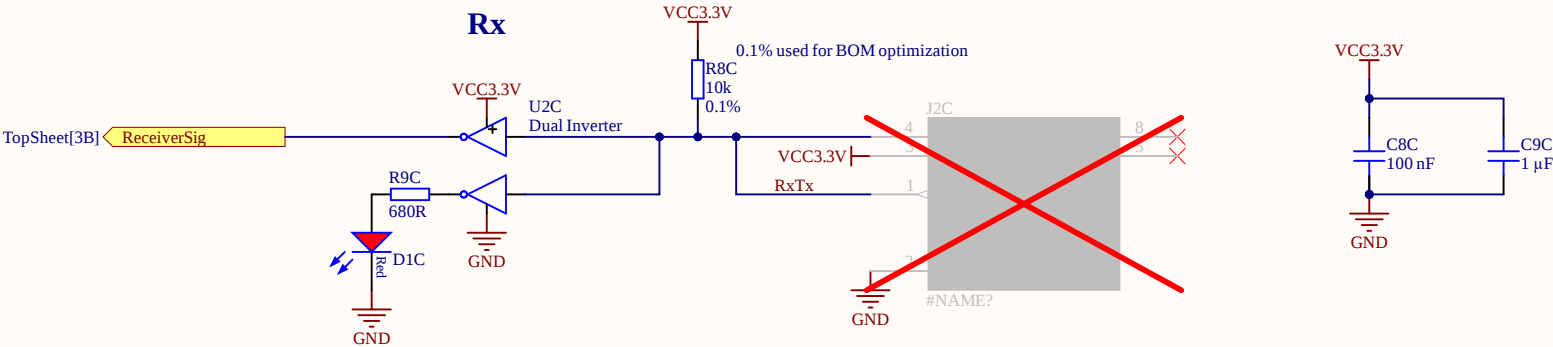
Poor Mans Table of Truth for Rx

Receiver LED	Node RxTx	LED D2
OFF	HIGH	OFF
ON	LOW	ON



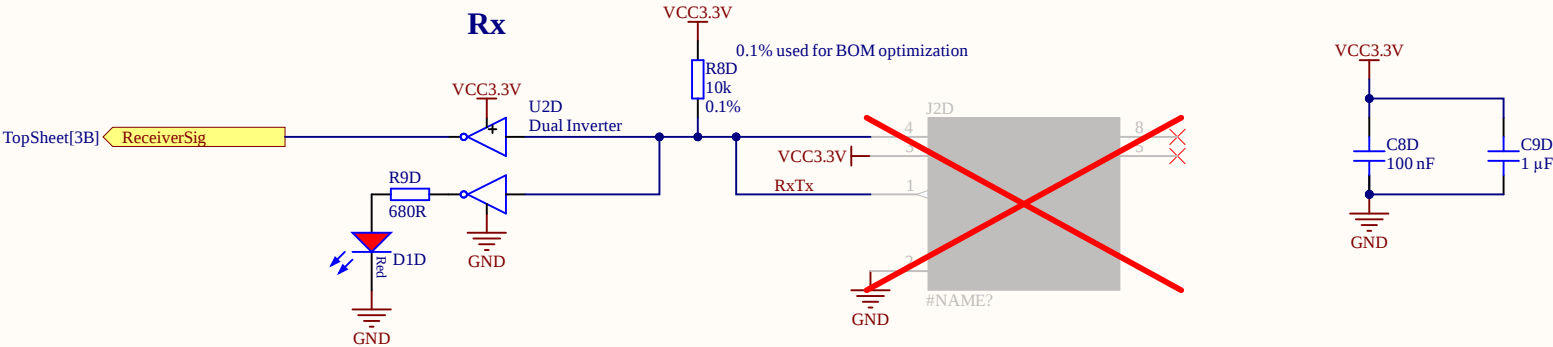
Poor Mans Table of Truth for Rx

Receiver LED	Node RxTx	LED D2
OFF	HIGH	OFF
ON	LOW	ON



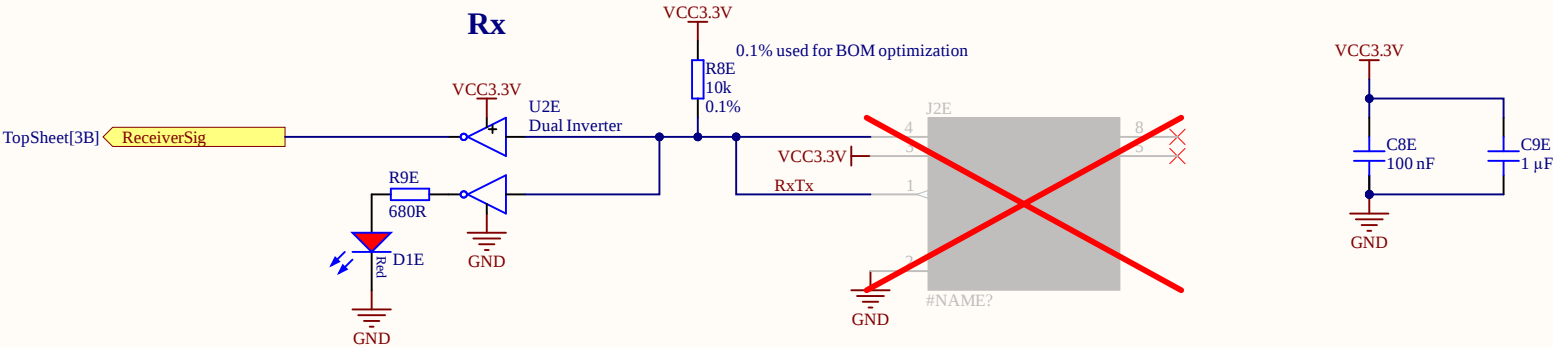
Poor Mans Table of Truth for Rx

Receiver LED	Node RxTx	LED D2
OFF	HIGH	OFF
ON	LOW	ON



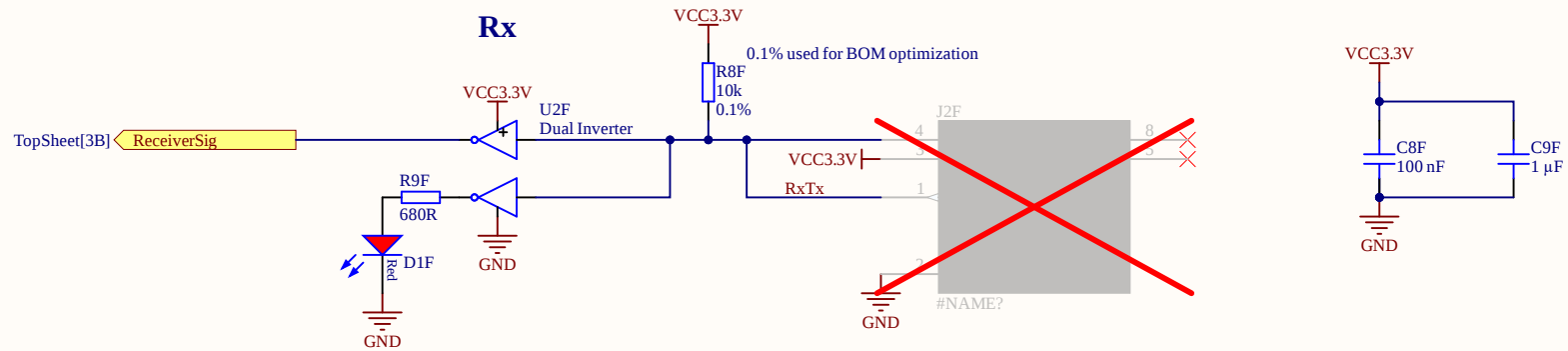
Poor Mans Table of Truth for Rx

Receiver LED	Node RxTx	LED D2
OFF	HIGH	OFF
ON	LOW	ON



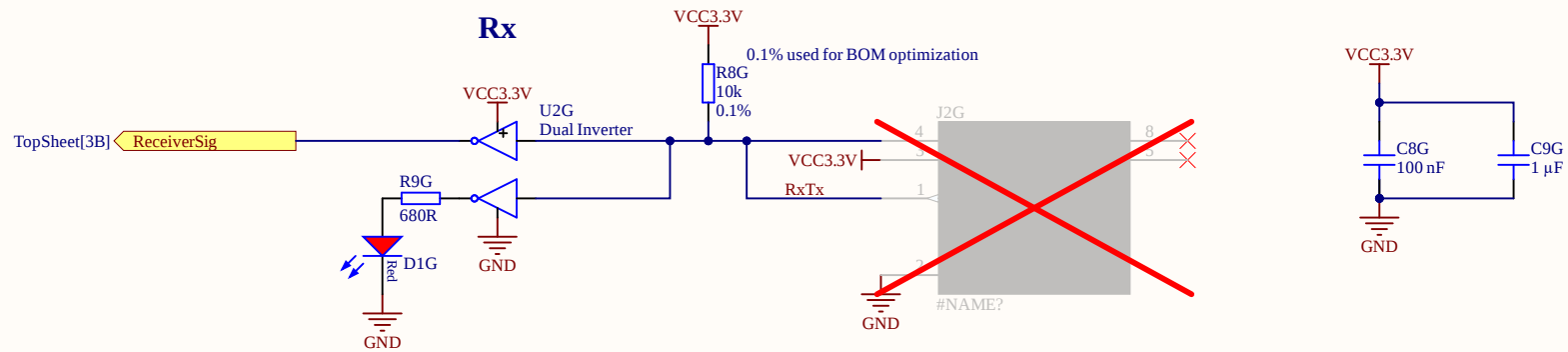
Poor Mans Table of Truth for Rx

Receiver LED	Node RxTx	LED D2
OFF	HIGH	OFF
ON	LOW	ON



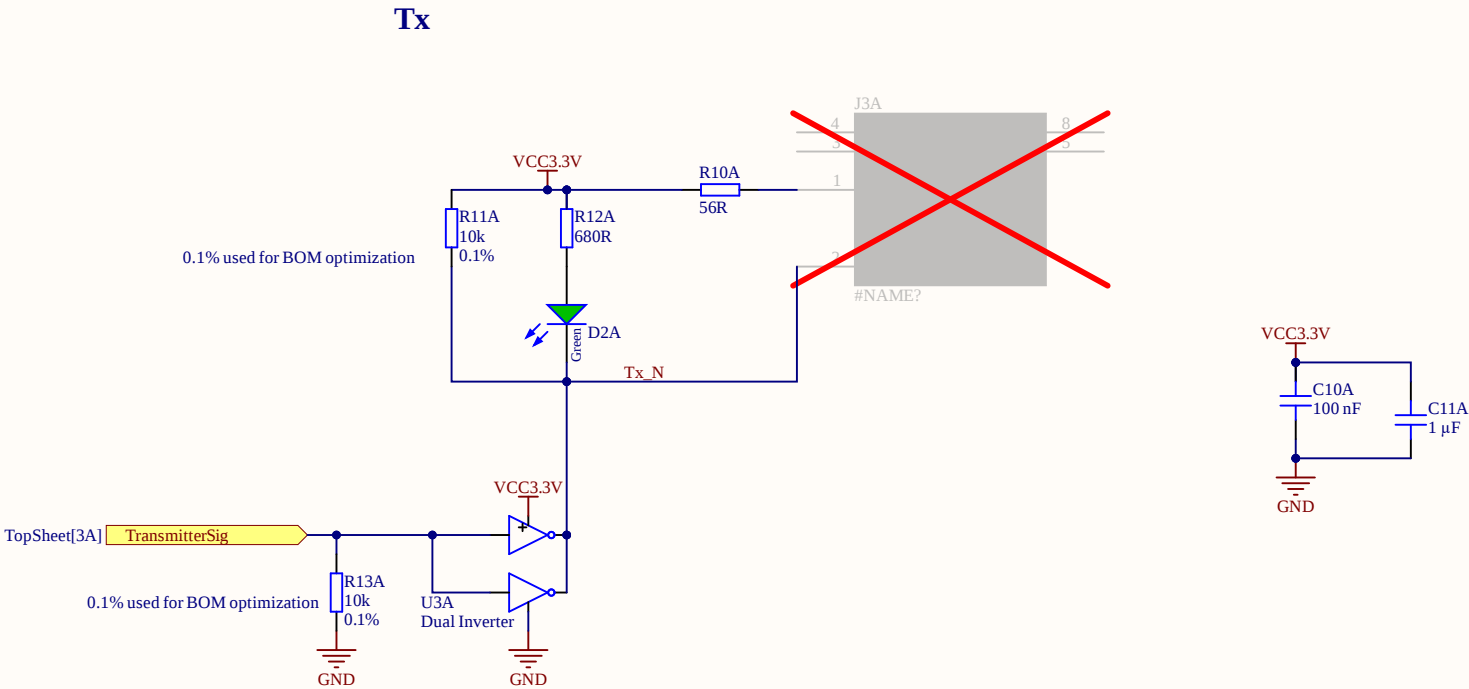
Poor Mans Table of Truth for Rx

Receiver LED	Node RxTx	LED D2
OFF	HIGH	OFF
ON	LOW	ON



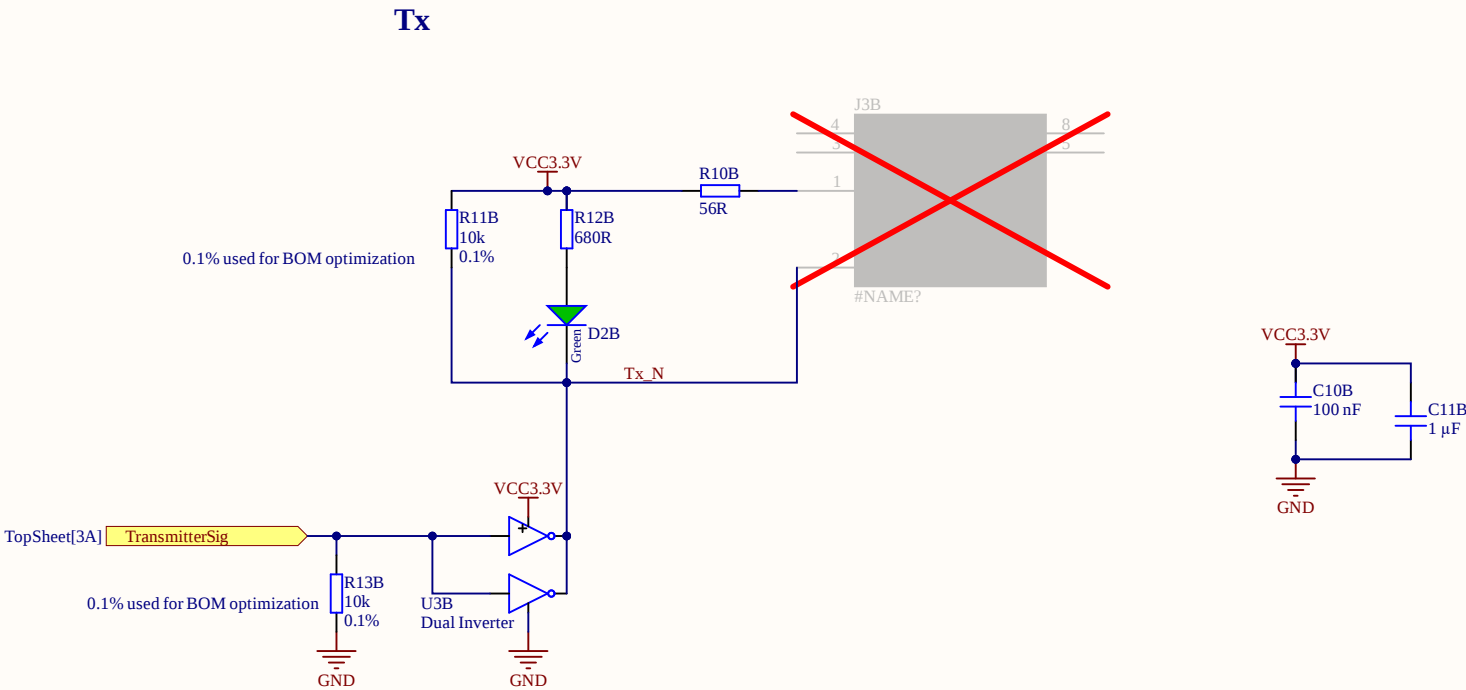
Poor Mans Table of Truth for Tx

Transmitter LED	Node Tx_N	LED D3	Signal
OFF	HIGH	OFF	LOW
ON	LOW	ON	HIGH

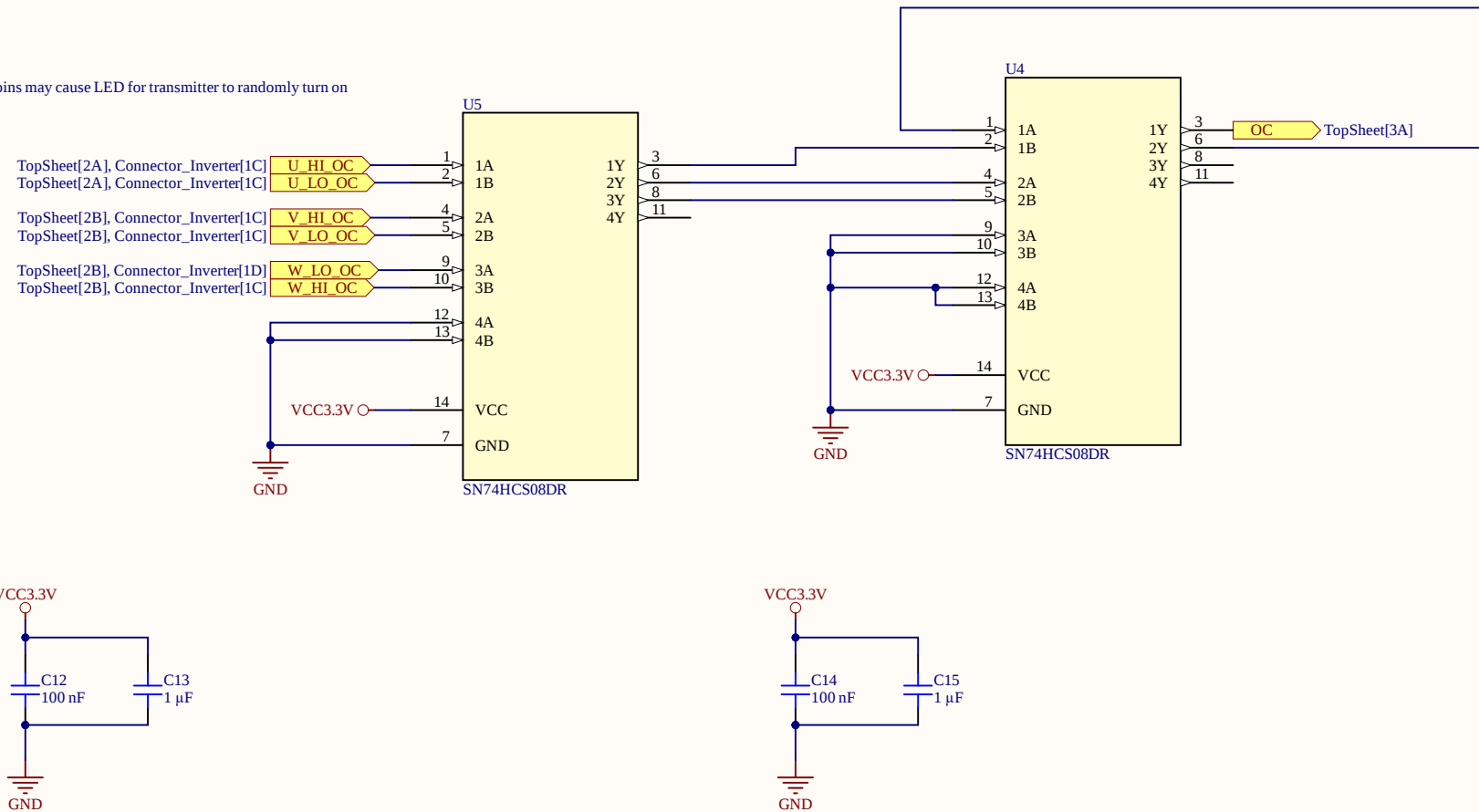


Poor Mans Table of Truth for Tx

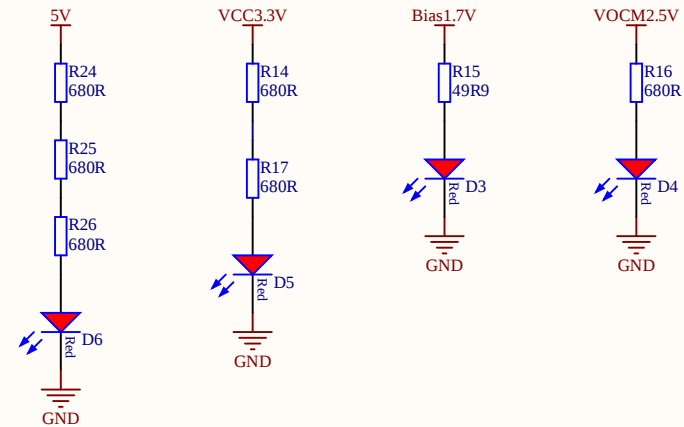
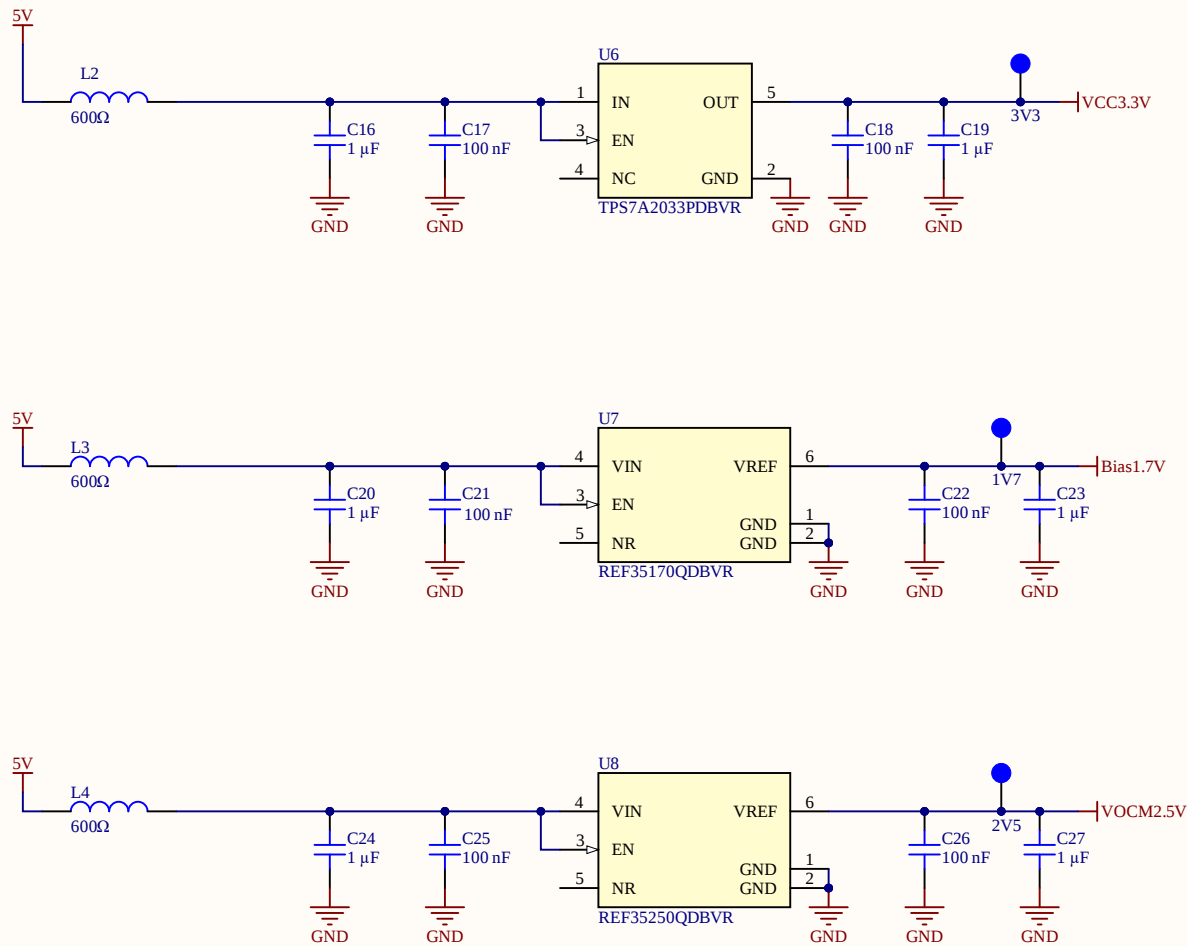
Transmitter LED	Node Tx_N	LED D3	Signal
OFF	HIGH	OFF	LOW
ON	LOW	ON	HIGH



Floating pins may cause LED for transmitter to randomly turn on



Title OvercurrentDetection.SchDoc		 UltraZohm www.ultrazohm.com	
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Title Power.SchDoc

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Design Engineer: S. Park

Project: uz_per_wolfspeed_25kw_FM3.PrjPcb

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