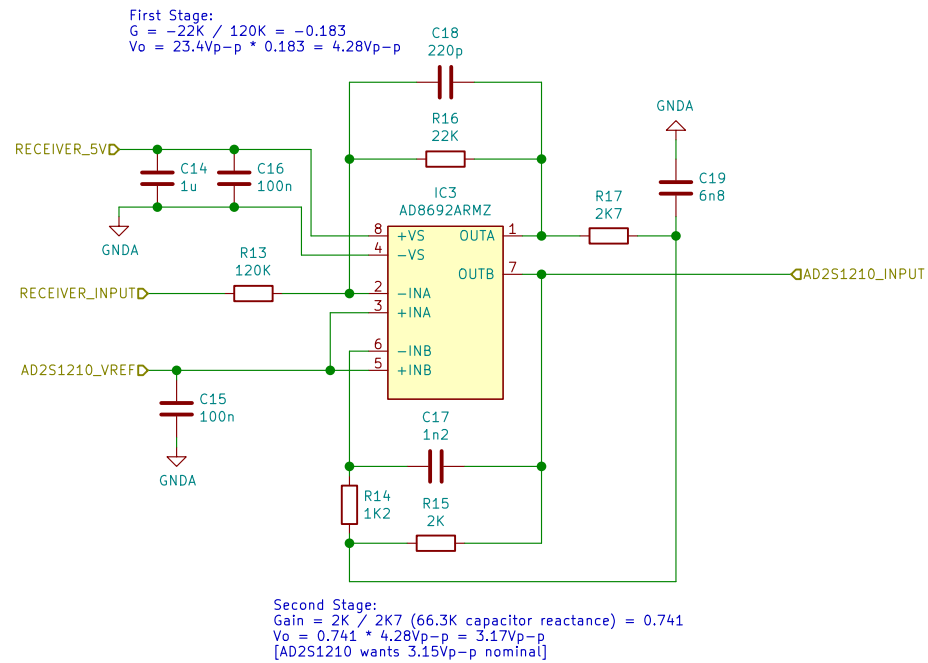


Sheet: /
File: scot-resolver.sch

Title:

Size: A4
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Sheet: /Resolver Receiver SIN+/
 File: scot-resolver-receiver.sch

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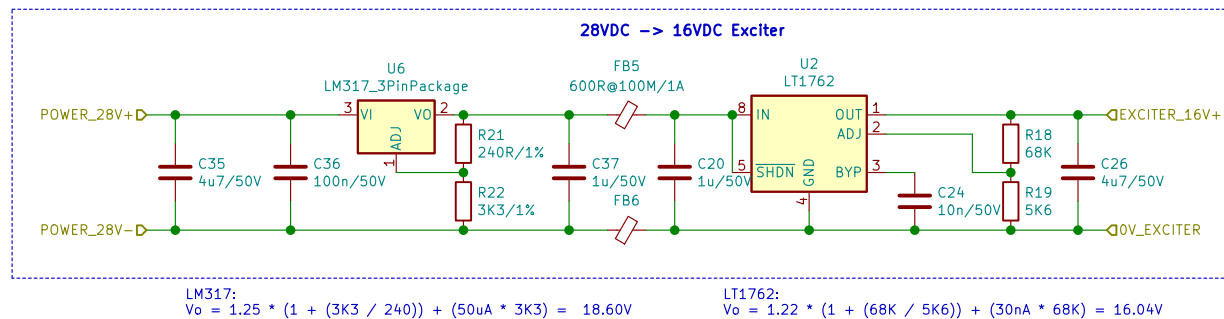
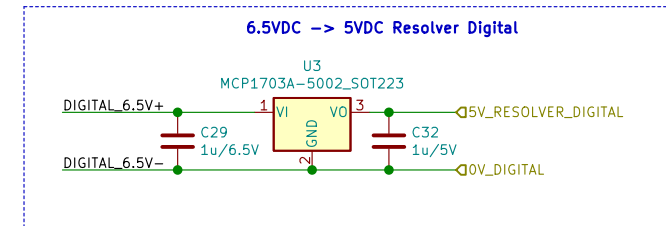
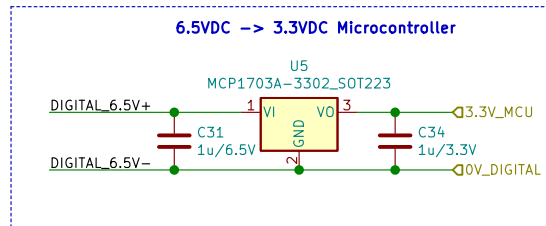
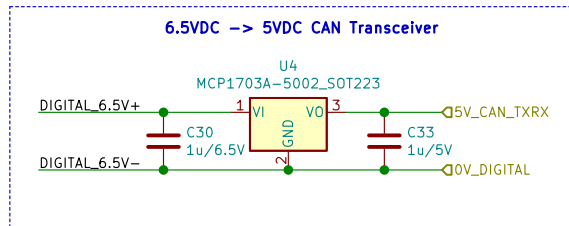
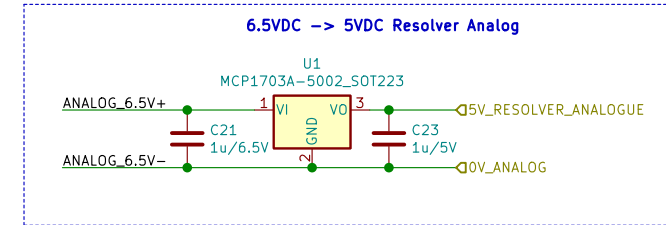
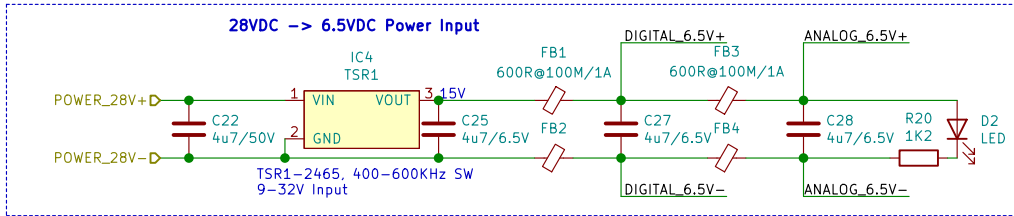
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KiCad E.D.A. eeschema 5.1.6-c6e7f7d86ubuntu18.04.1

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LM317:

$$V_o = 1.25 * (1 + (3K3 / 240)) + (50uA * 3K3) = 18.60V$$

LT1762:

$$V_o = 1.22 * (1 + (68K / 5K6)) + (30nA * 68K) = 16.04V$$

Sheet: /Power Supplies/
 File: scot-resolver-power.sch

Title:

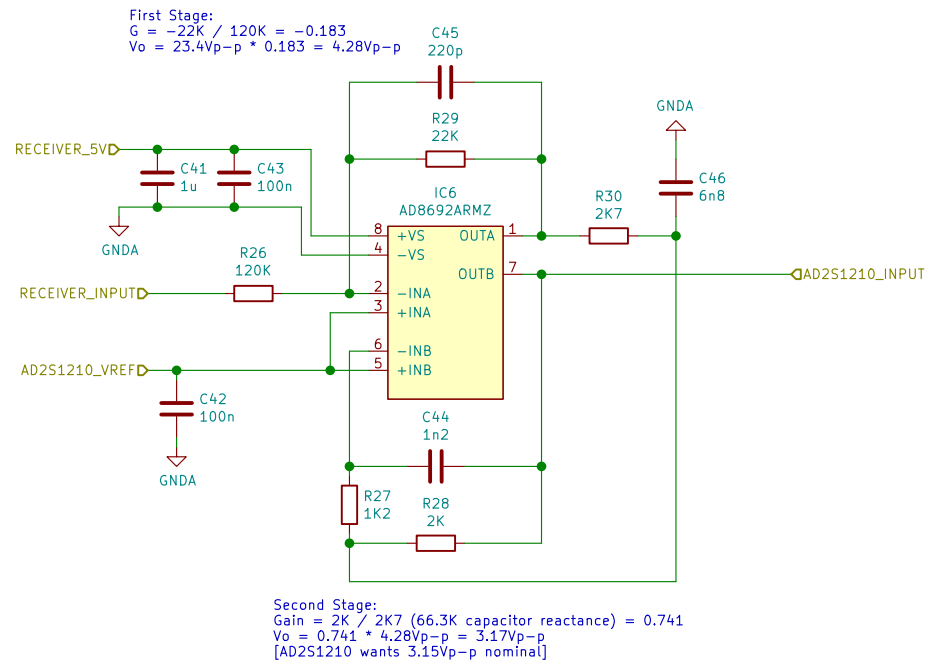
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KiCad E.D.A. eeschema 5.1.6-c6e7f7d86ubuntu18.04.1

Rev:

Id: 3/7



Sheet: /Resolver Receiver COS+/
File: scot-resolver-receiver.sch

Title:

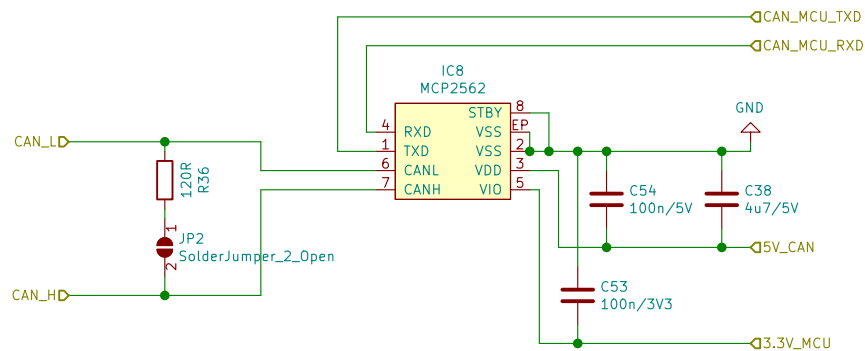
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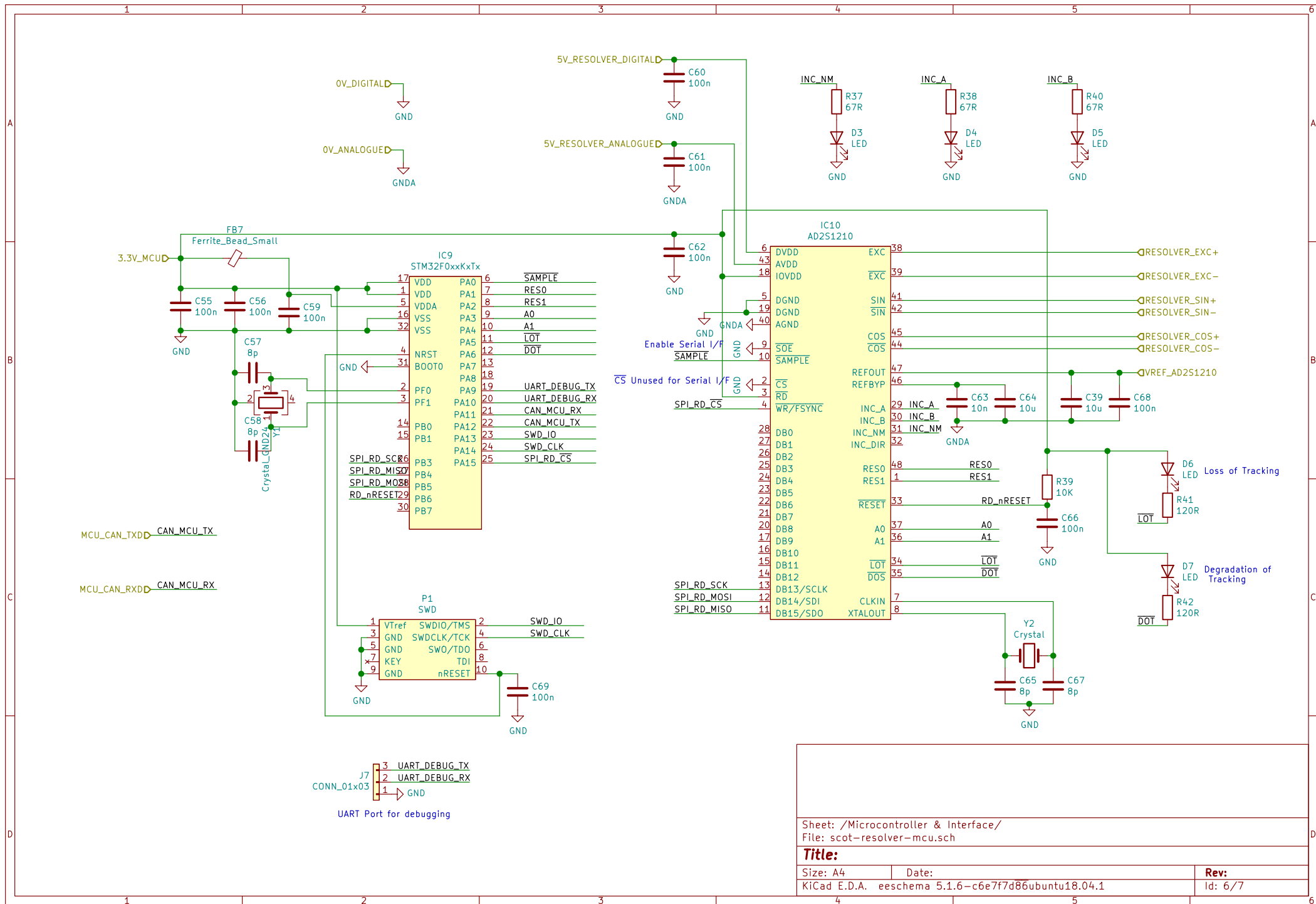
Sheet: /CAN TXRX/
File: scot-resolver-can-trrx.sch

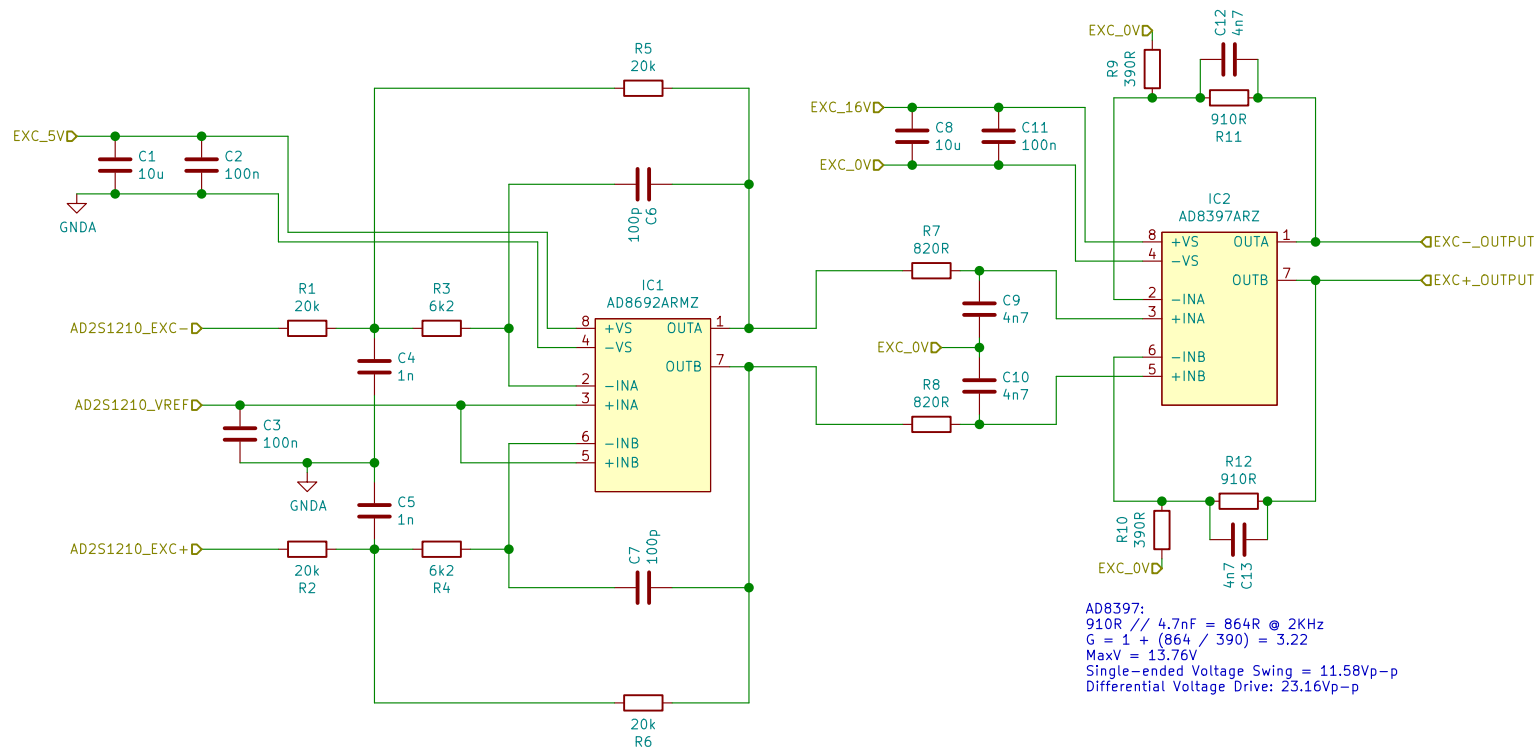
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KiCad E.D.A. eeschema 5.1.6-c6e7f7d86ubuntu18.04.1

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AD8397:
 $910R \parallel 4.7nF = 864R @ 2KHz$
 $G = 1 + (864 / 390) = 3.22$
 $MaxV = 13.76V$
 Single-ended Voltage Swing = $11.58Vp-p$
 Differential Voltage Drive = $23.16Vp-p$

Sheet: /Resolver Exciter/
 File: scot-resolver-exciter.sch

Title:

Size: A4

Date:

KiCad E.D.A. eeschema 5.1.6-c6e7f7d86ubuntu18.04.1

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