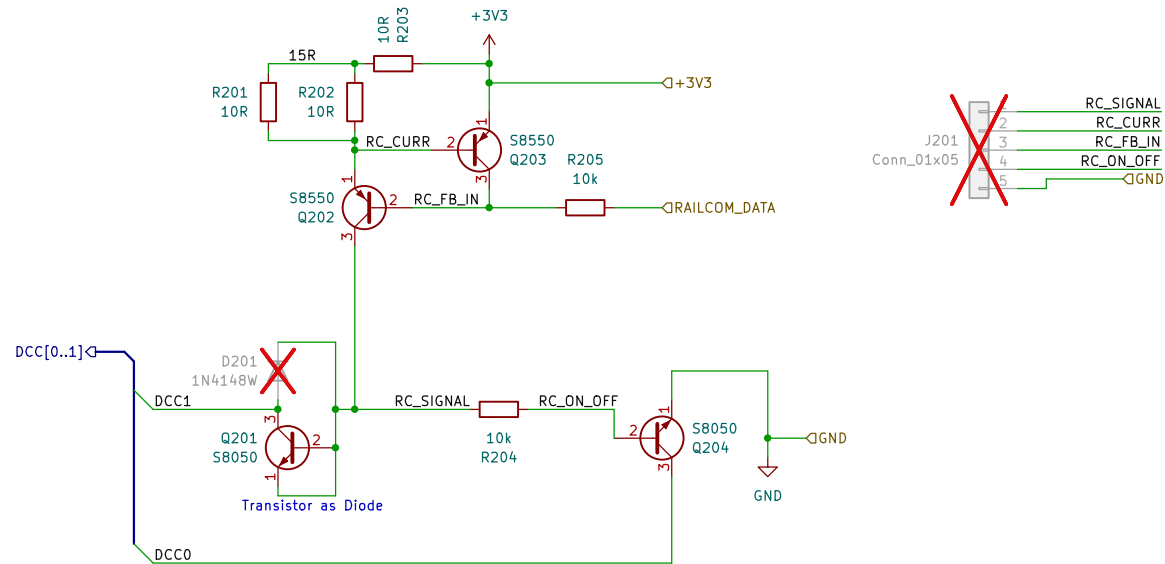


RailCom feedback generator



<https://normen.railcommunity.de/RCN-217.pdf>

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Size: A4

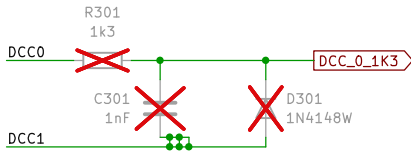
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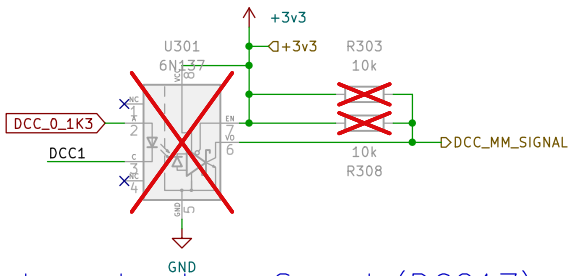
KiCad E.D.A. 8.0.0-rc2

Id: 6/7

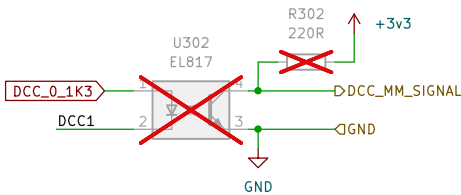
Optocoupler Current Limiting & Flyback



Optocoupler High-Speed (1N137)



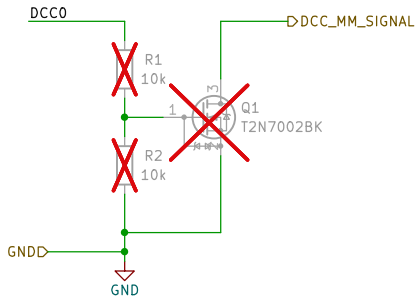
Optocoupler Low-Speed (PC817)



DCC Bus Input

DCC[0..1]D

Pull-Down circuit



Resistor (Use ONLY with on MCU pin protection)



Chatelain Engineering

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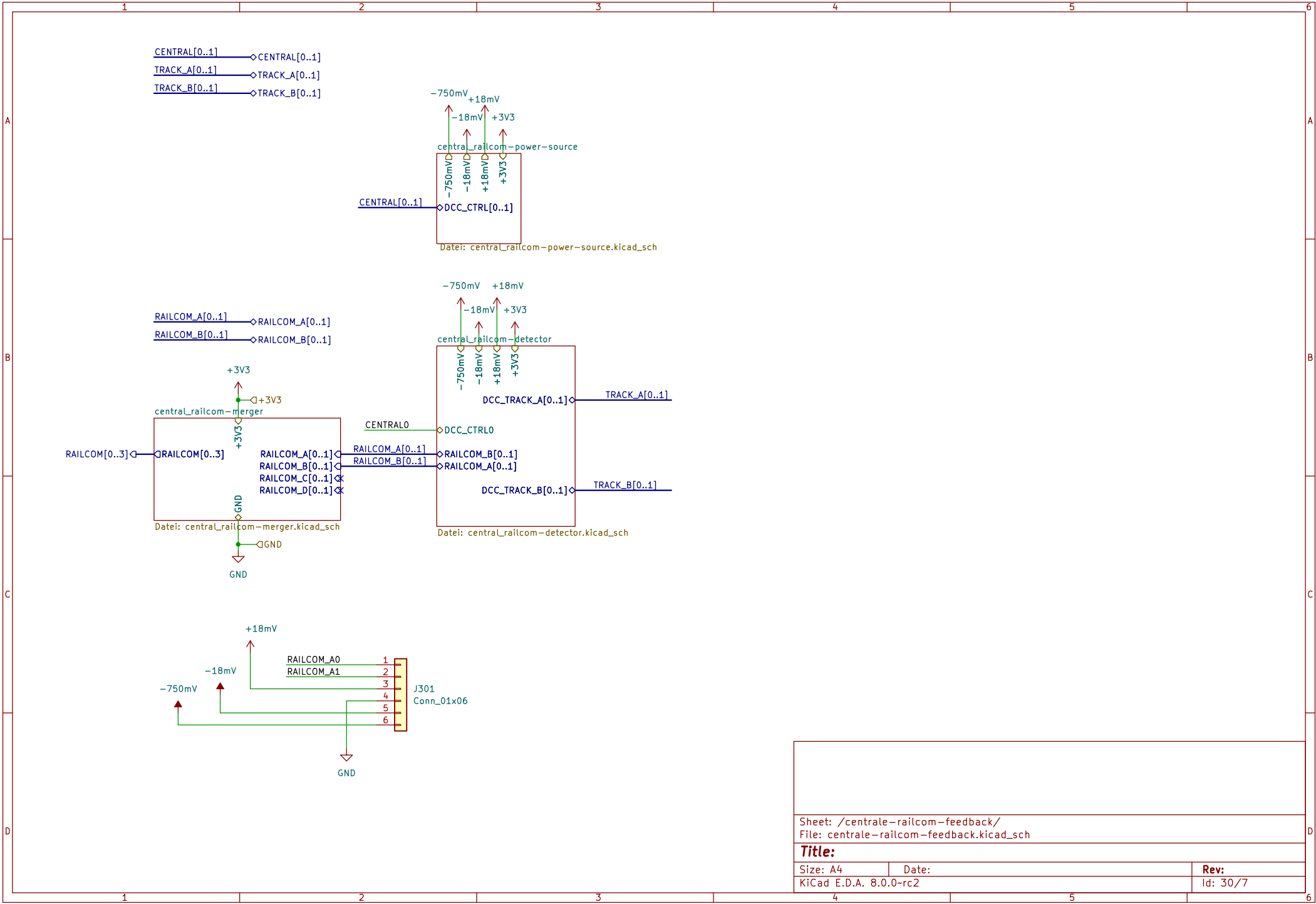
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KiCad E.D.A. 8.0.0-rc2

Rev: v0.1

Id: 7/7



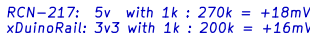
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Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. 8.0.0-rc2		Id: 30/7

RailCom power-source



<https://normen.railcommunity.de/RCN-217.pdf>



RCN-217: 750 with 820R : 33k = -18mV
xDuinoRail: 750 with 220R : 10k = -16mV

Sheet: /centrale-railcom-feedback/central_railcom-power-source/
File: central_railcom-power-source.kicad_sch

Title:

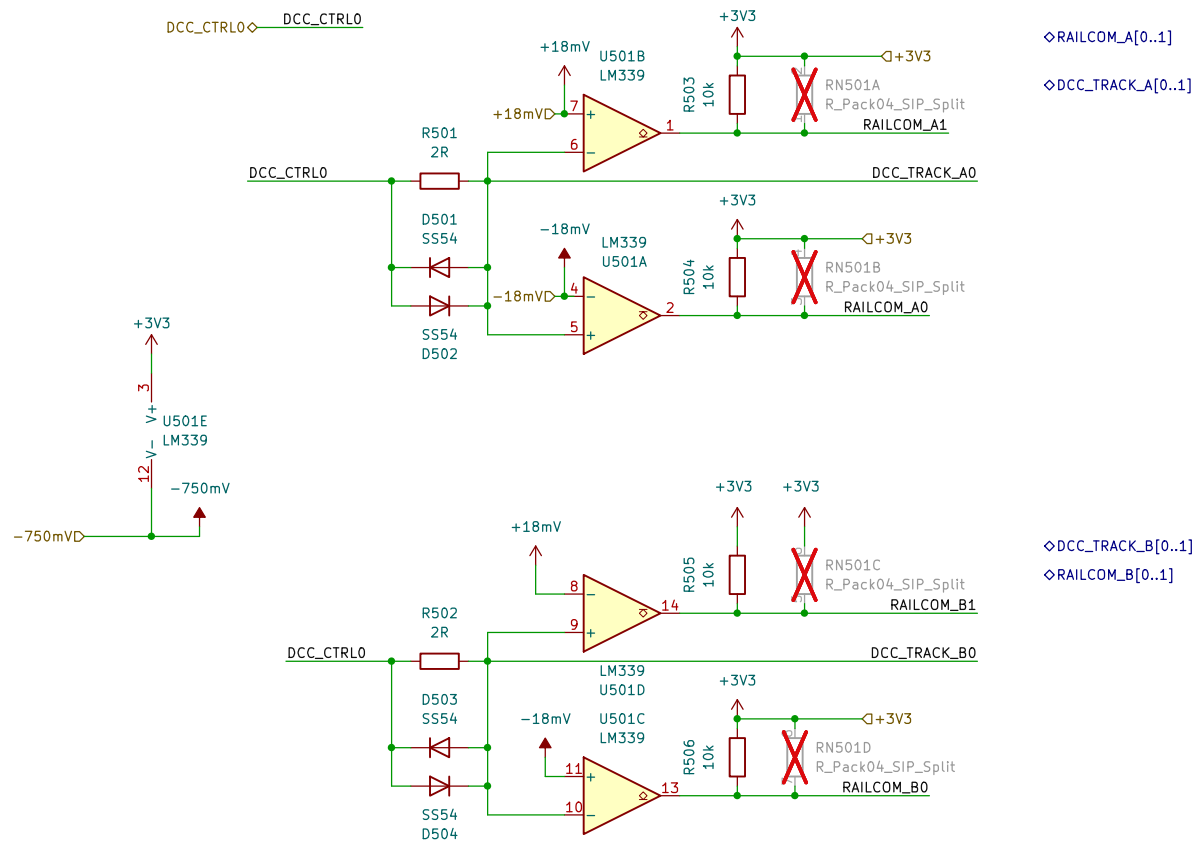
Size: A4	Date:
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KiCad E.D.A. 8.0.0~rc2

Rev:

Id: 33/7

RailCom extractor



◇RAILCOM_A[0..1]

◇DCC_TRACK_A[0..1]

◇DCC_TRACK_B[0..1]

◇RAILCOM_B[0..1]

<https://normen.railcommunity.de/RCN-217.pdf>

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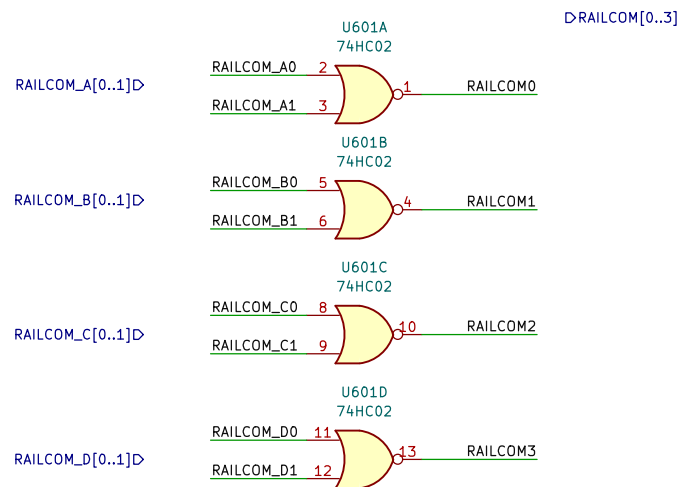
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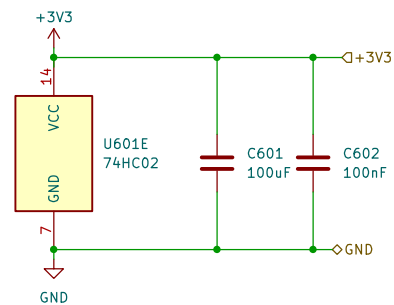
KiCad E.D.A. 8.0.0-rc2

Id: 34/7

RailCom merger



<https://normen.railcommunity.de/RCN-217.pdf>



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File: central_railcom-merger.kicad_sch

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Date:

Rev:

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Id: 35/7