

1	2	3	4	5	6
A					A
B					B
C					C
D					D
1	2	3	4	5	6

Sheet: CPU



File: P26cpu.sch

Sheet: Railcom



File: P26rcm.sch

Sheet: Power

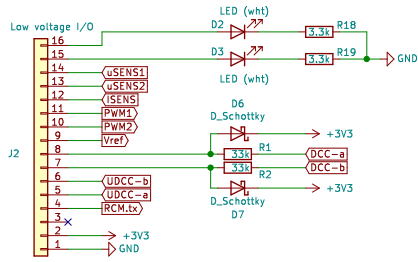


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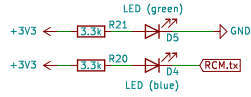
P26.1 Railcom sender & Motor driver Frank Schumacher Sheet: / File: P26.sch		
Title: RTB P26 Railcom/Motor IF		
Size: A4	Date: 2025-09-07	Rev: 1
KICad E.D.A. kicad (5.1.12)-1		Id: 1/4

CPU

Low Voltage (3.3V) Connections

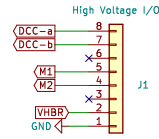


(optional)

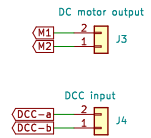


High Voltage Connections (8–16V)

Breadboard Pin Header



Terminal Screw Connectors

Remarks:
D6 /D7

- D6/D7 Schottky cap the input voltage on the DCC pins to (VDD+0.3V) (some CPUs do not like high voltage on I/O pins, despite body diodes)

P26.1 Railcom sender & Motor driver Frank Schumacher Sheet: /CPU/ File: P26cpu.sch

Title: RTB P26 Railcom/Motor IF

Size: A4	Date: 2025-09-07
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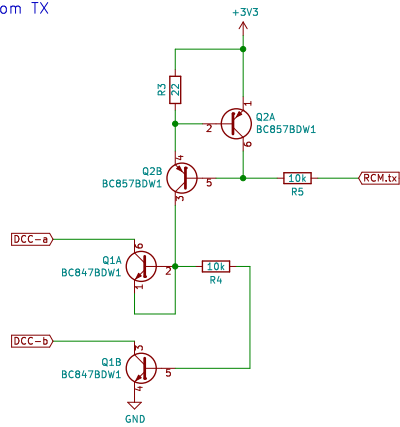
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l_4

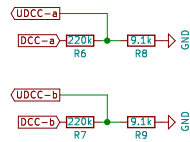
Rev: 1
Id: 2/4

RcmTX

Railcom TX



Track Voltage Sensors



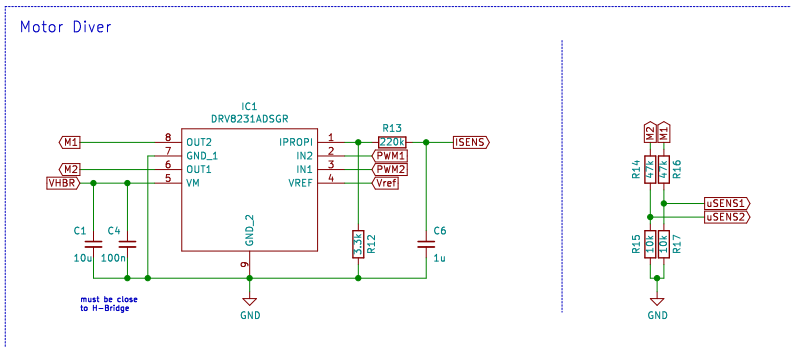
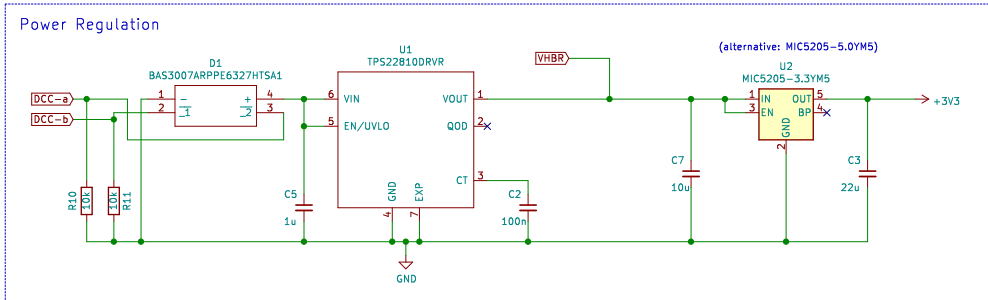
P26.1
Railcom sender & Motor driver
Frank Schumacher
Sheet: /Railcom/
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Title: RTB P26 Railcom/Motor IF

Size: A4 Date: 2025-09-07
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Rev: 1
Id: 3/4

Power



P26.1
Railcom sender & Motor driver
Frank Schumacher
Sheet: /Power/
File: P26pwr.sch

Title: RTB P26 Railcom/Motor IF

Size: A4	Date: 2025-09-07
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Rev: 1
Id: 4/4