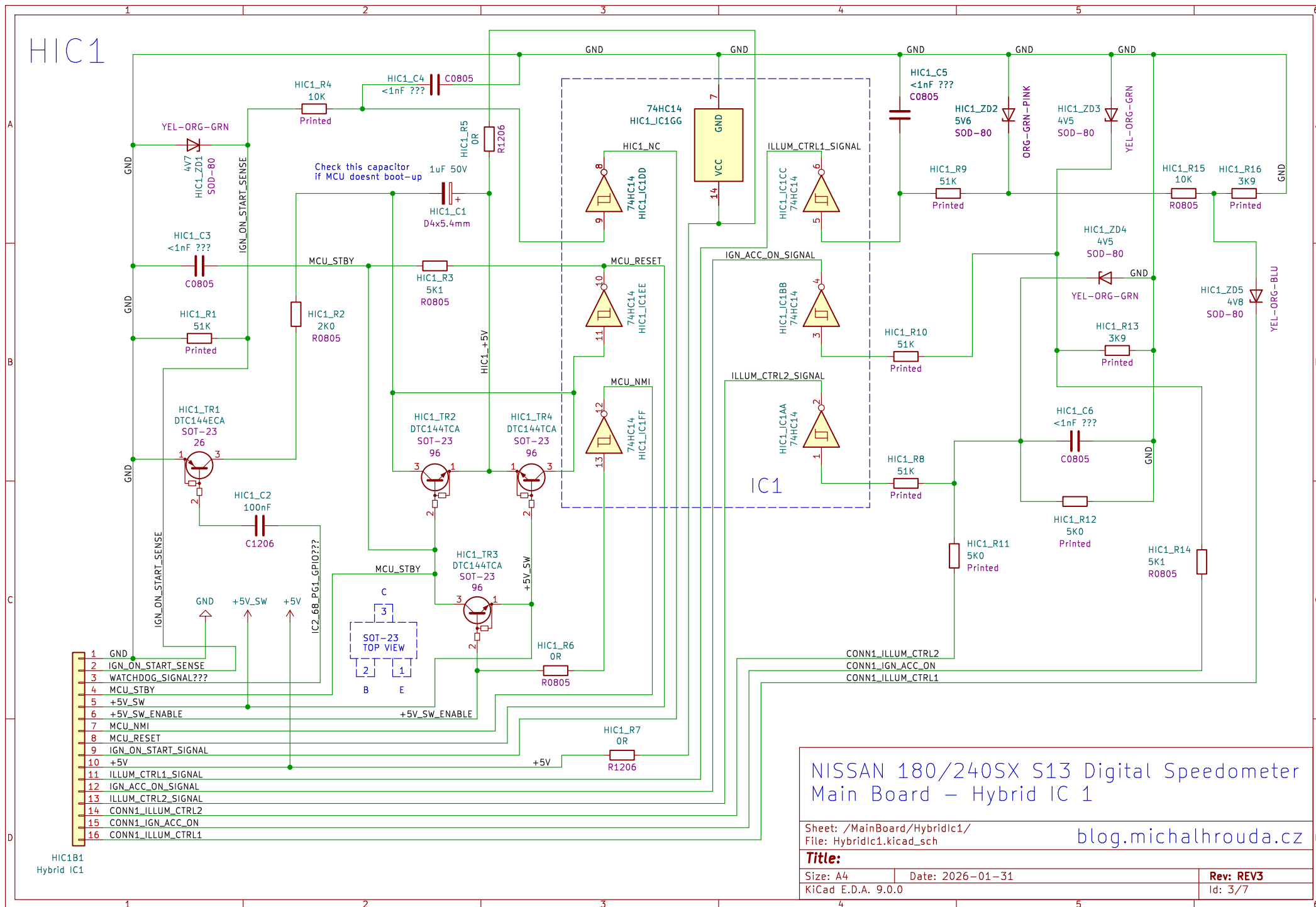


# HIC1



## NISSAN 180/240SX S13 Digital Speedometer Main Board – Hybrid IC 1

Sheet: /MainBoard/HybridIc1/  
File: HybridIc1.kicad\_sch

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### Title:

Size: A4

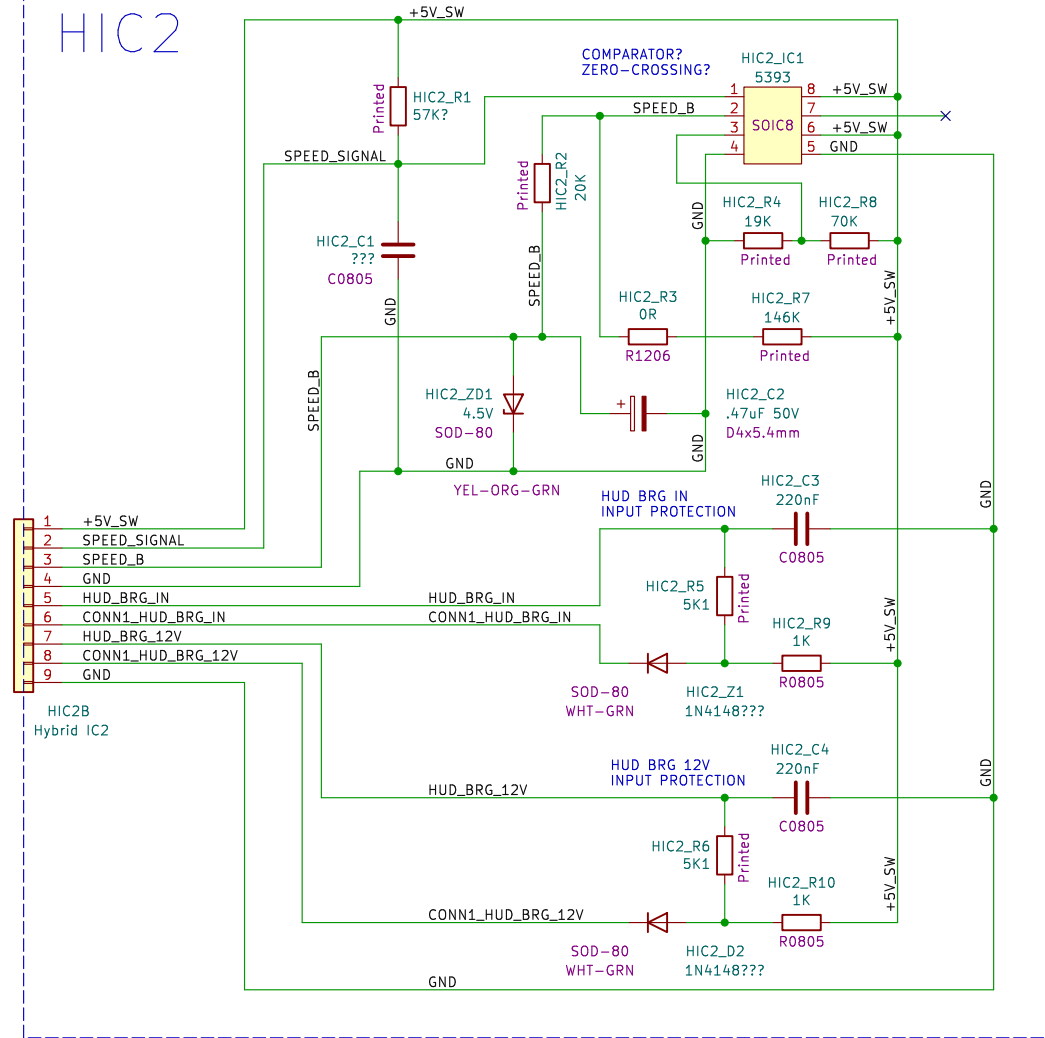
Date: 2026-01-31

Rev: REV3

KiCad E.D.A. 9.0.0

Id: 3/7

# HIC2



## NISSAN 180/240SX S13 Digital Speedometer Main Board – Hybrid IC 2

Sheet: /MainBoard/HybridIc2/  
File: HybridIc2.kicad\_sch

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### Title:

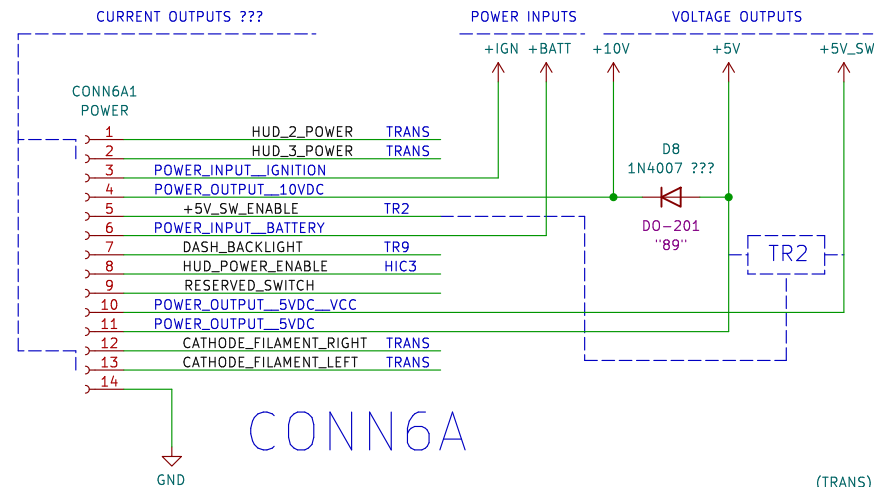
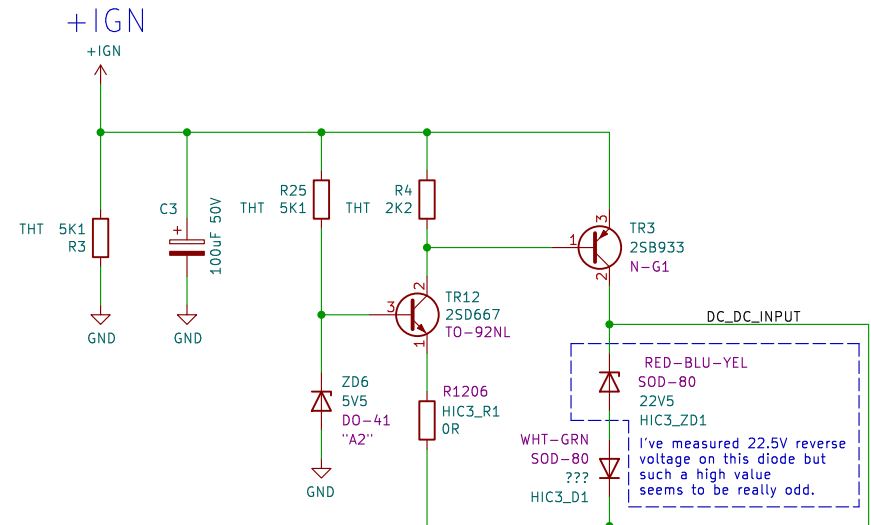
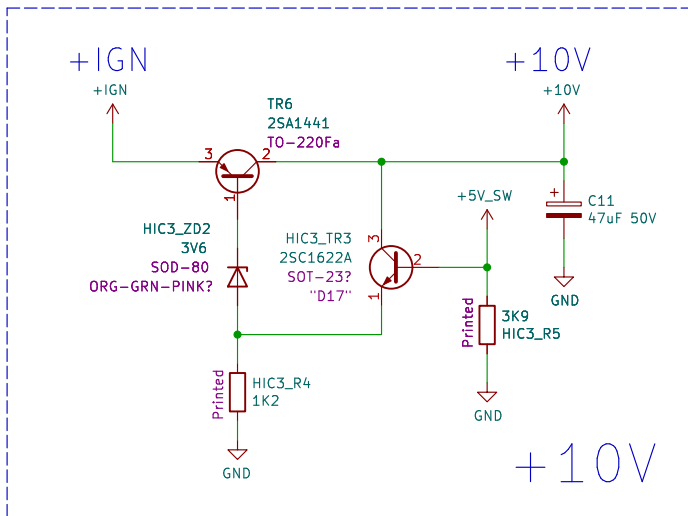
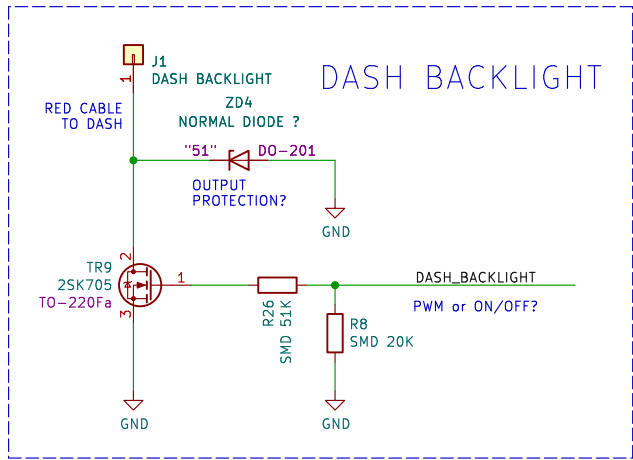
Size: A4

Date: 2026-01-31

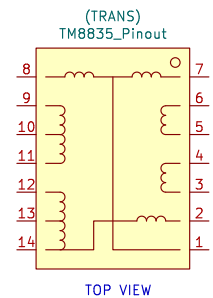
Rev: REV3

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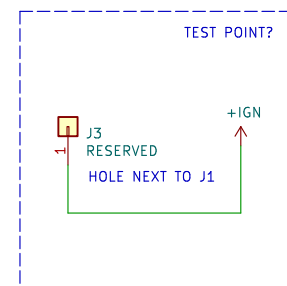
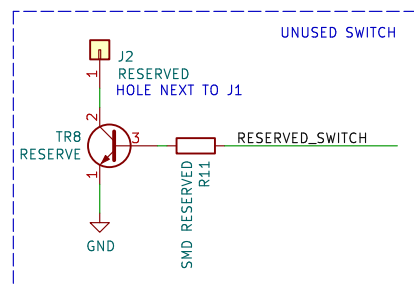
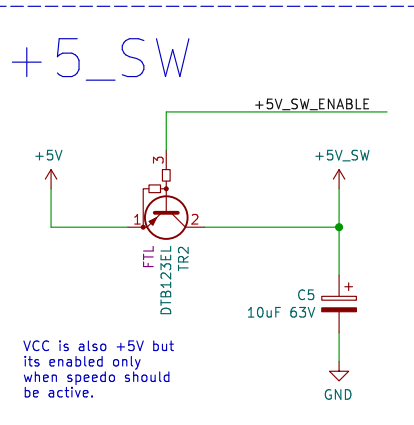
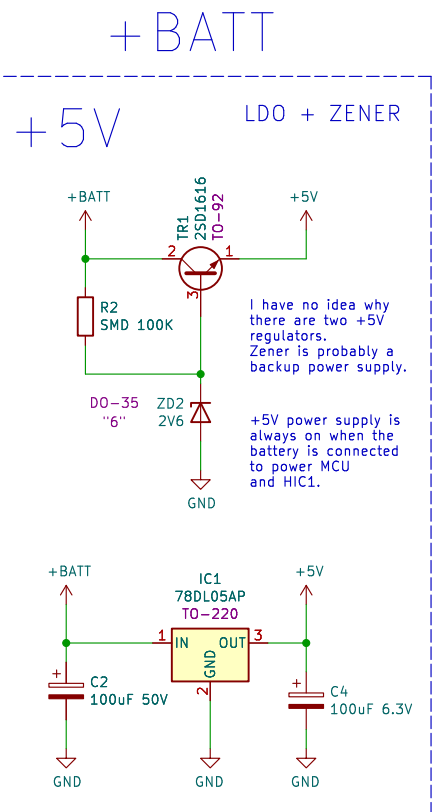
Id: 4/7



CONN6A



TOP VIEW  
Dot on the package is not at pin 1 but at pin 7. Manufacturing error?

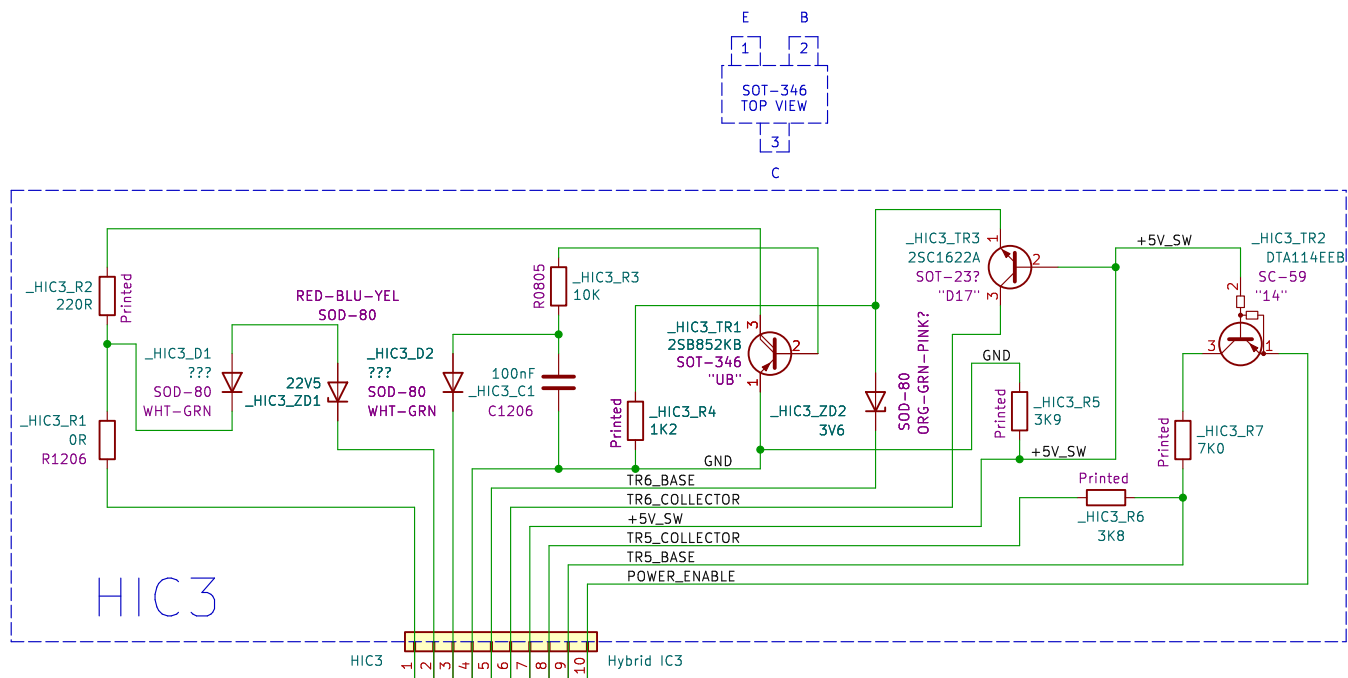


I wan't able to figure out how it actually works so I'm not able to confirm that this circuit is correct.

Be aware that this sheet coitans some errors in parts topology.

NISSAN 180/240SX S13 Digital Speedometer Power Board

Sheet: /PowerBoard/ File: PowerBoard.kicad_sch		blog.michalhrouda.cz	
Title:			
Size: A3	Date: 2026-01-31		Rev: REV3
KiCad E.D.A. 9.0.0			Id: 5/7



# NISSAN 180/240SX S13 Digital Speedometer Main Board – Hybrid IC 3

Sheet: /PowerBoard/HybridIc3/  
File: HybridIc3.kicad\_sch

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## **Title:**

Size: A4 Date: 2026-01-31

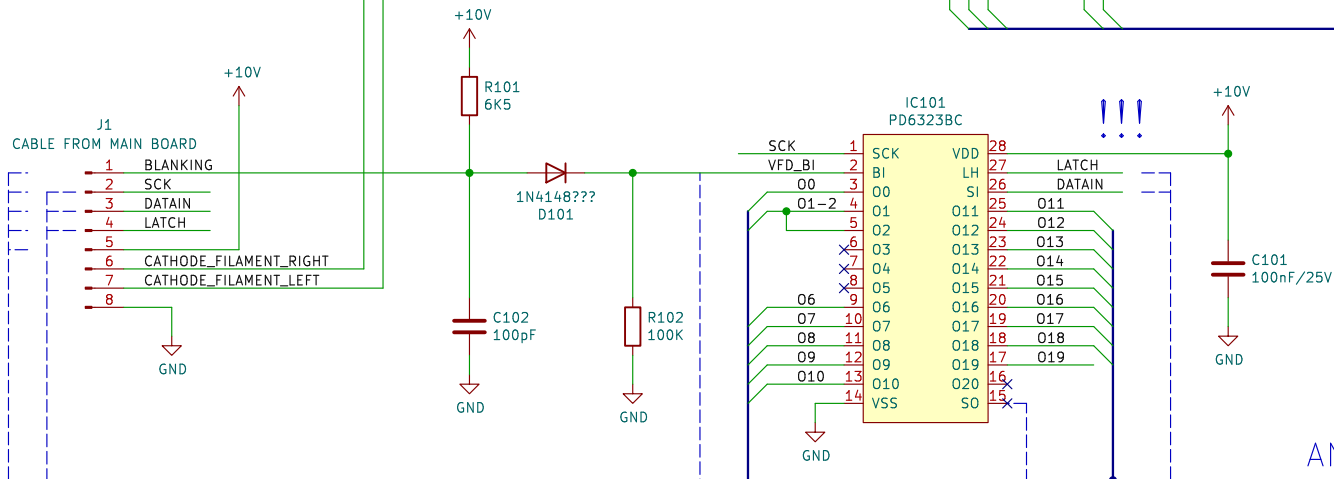
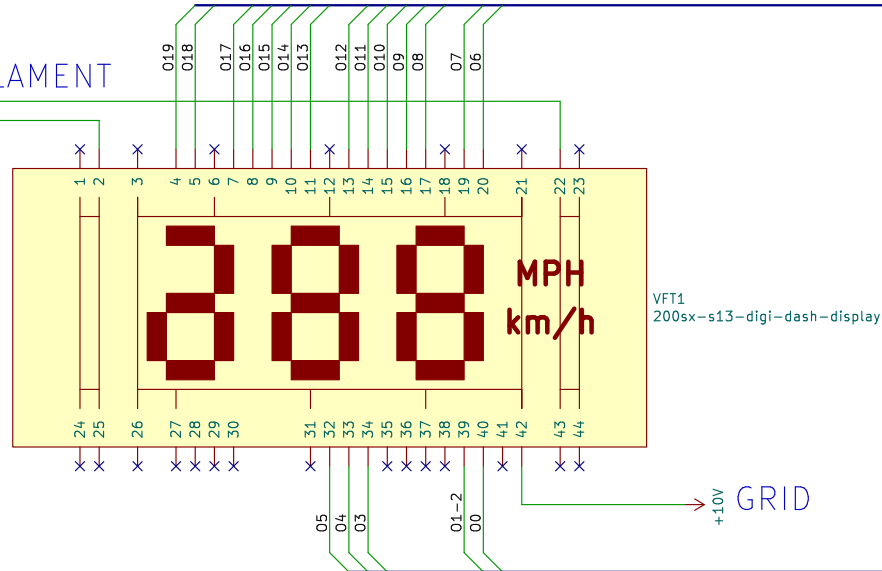
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**Rev: REV3**

Id: 6/7

Filament glow should be visible in the dark.  
Check input current if no glow is visible.

CATHODE – FILAMENT



Blanking fall to low after power-up

Connect GND, VBAT, IGN ACC, IGN ON  
and check that there are data/clock

DO NOT SHORT ANY DATA SIGNALS WITH +10V!

Short will damage IC101, CPU on main board and +10V power supply!

NISSAN 180/240SX S13 Digital Speedometer  
Display Board

Sheet: /DisplayBoard/

File: DisplayBoard.kicad\_sch

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Title:

Size: A4

Date: 2026-01-31

Rev: REV3

KiCad E.D.A. 9.0.0

Id: 7/7