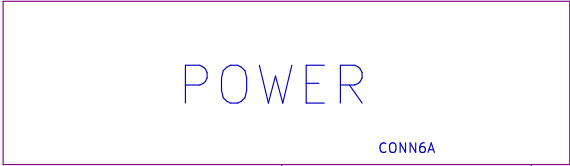


Sheet: PowerBoard



File: PowerBoard.sch

14 PIN  
BOARD-TO-BOARD

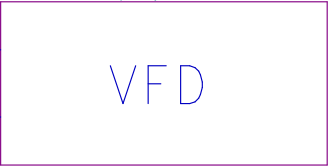
Sheet: MainBoard



File: MainBoard.sch

SPEEDOMETER  
6X2 HEADER

Sheet: DisplayBoard



File: DisplayBoard.sch

8 PIN  
CABLE

HUD  
2x4 HEADER

ODOMETER  
6 PIN HEADER

MPH/KMH SWITCH  
4 PIN HEADER

Revision notes:

REV2  
Power + Main - HUB\_POWER\_ENABLE renamed to HUD\_POWER\_ENABLE (Typo)  
HIC1 - TR2, TR3, TR4 transistor naming fixed from DTC114TCA to DTC144TCA  
HIC1 - TR1, TR2, TR3, TR4 transistor schematic symbol changed from BEC to EBC (Swapped base-emitter numbering fixed)

NISSAN 180/240SX S13 Digital Speedometer

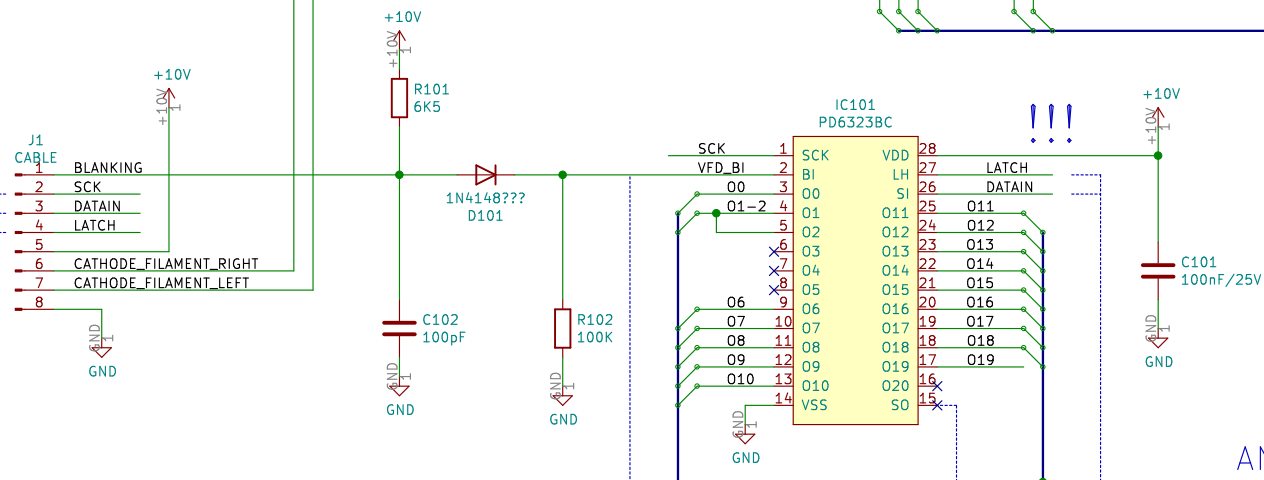
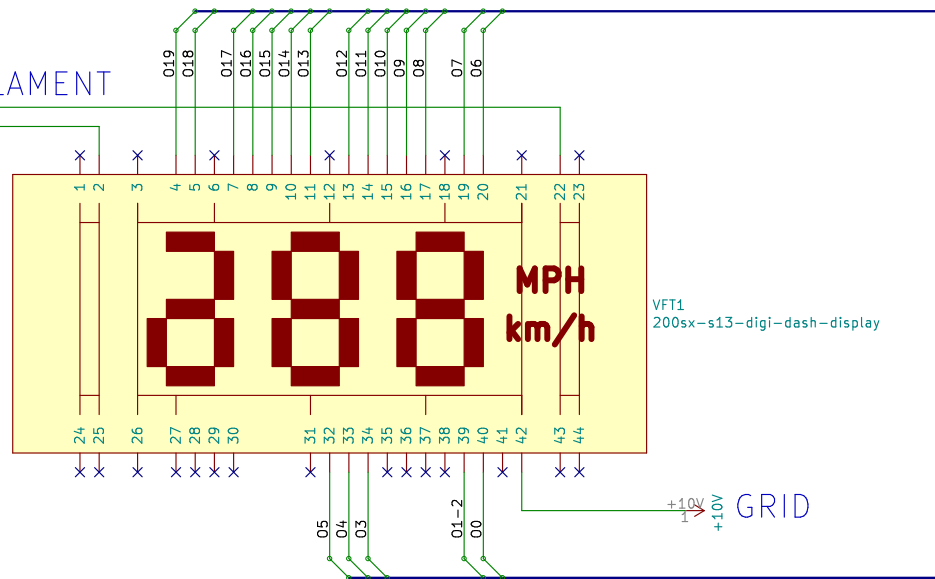
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File: 180sx-240sx-s13-digidash.sch

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Title:		
Size: A4	Date:	
KiCad E.D.A. kicad (5.1.9)-1		Rev: REV2
		Id: 1/7

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.sch

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**Title:**

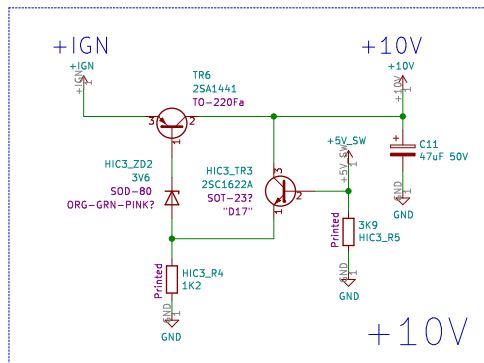
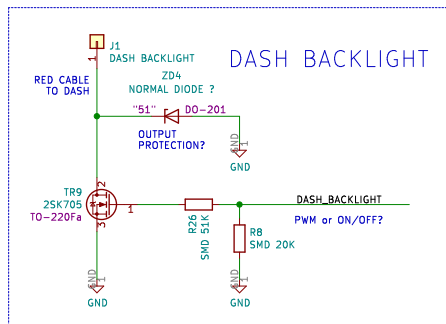
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Date:

KiCad E.D.A. kicad (5.1.9)-1

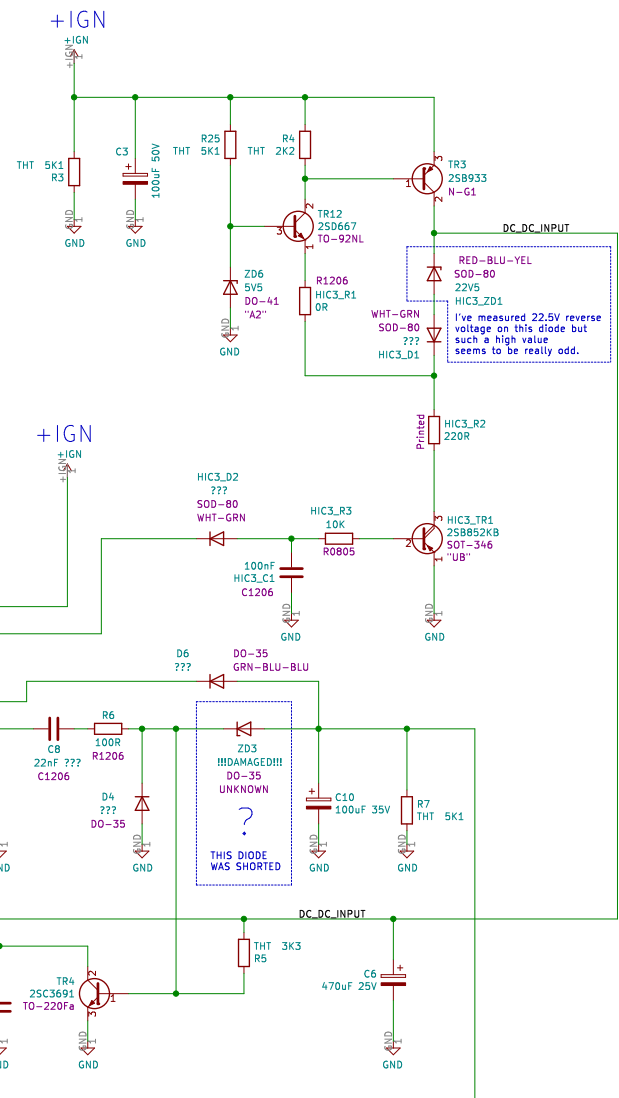
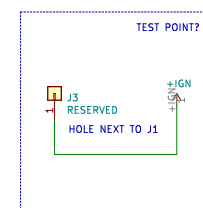
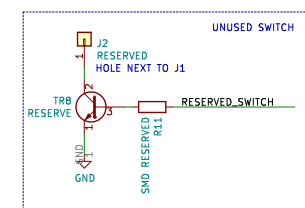
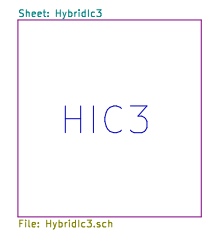
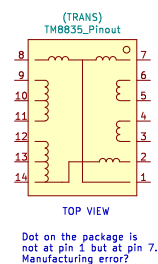
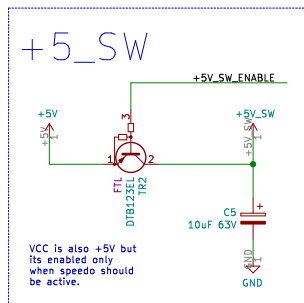
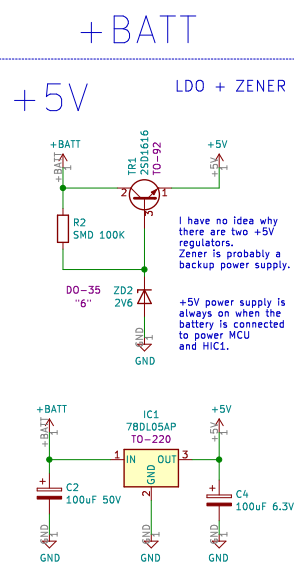
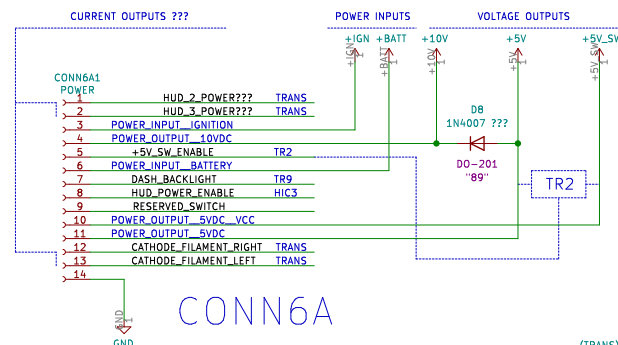
**Rev: REV2**

Id: 2/7



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

If the +10V is not working check TR6 transistor.



I won't be 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 contains some errors in parts topology.

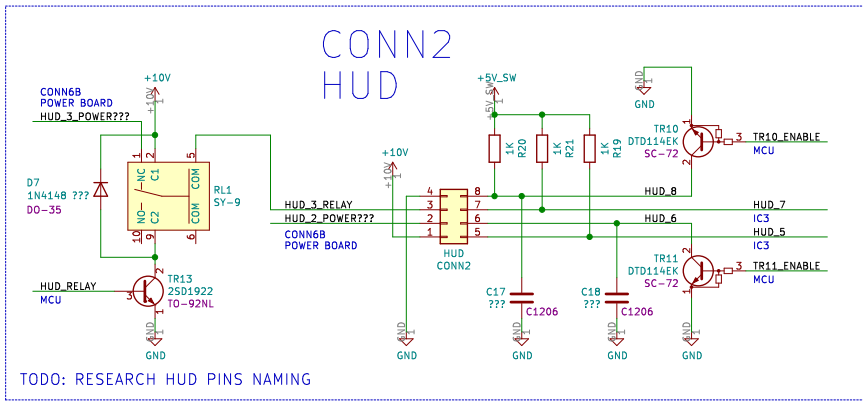
NISSAN 180/240SX S13 Digital Speedometer Power Board

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Sheet: /PowerBoard/ File: PowerBoard.sch

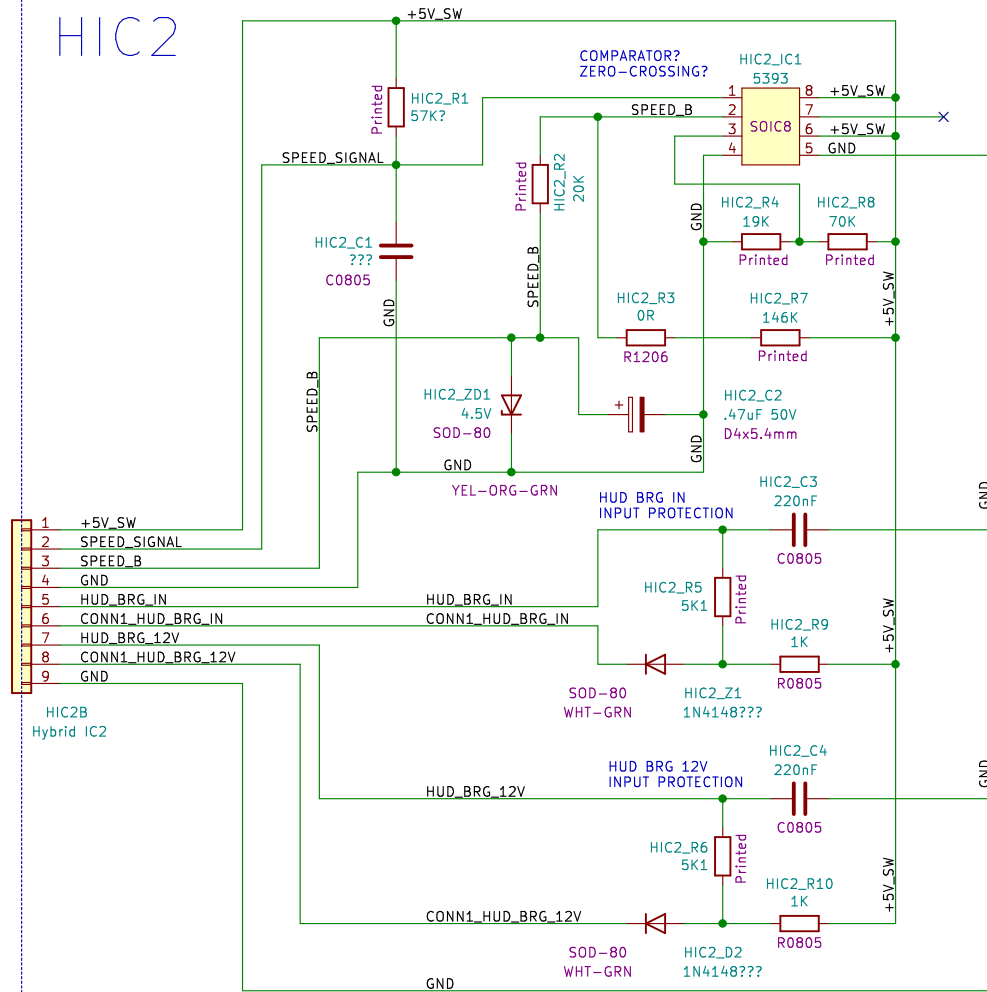
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# HIC2



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

Sheet: /MainBoard/HybridIc2/  
File: HybridIc2.sch

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### Title:

Size: A4

Date:

KiCad E.D.A. kicad (5.1.9)–1

Rev: REV2

Id: 7/7