

# Preliminary

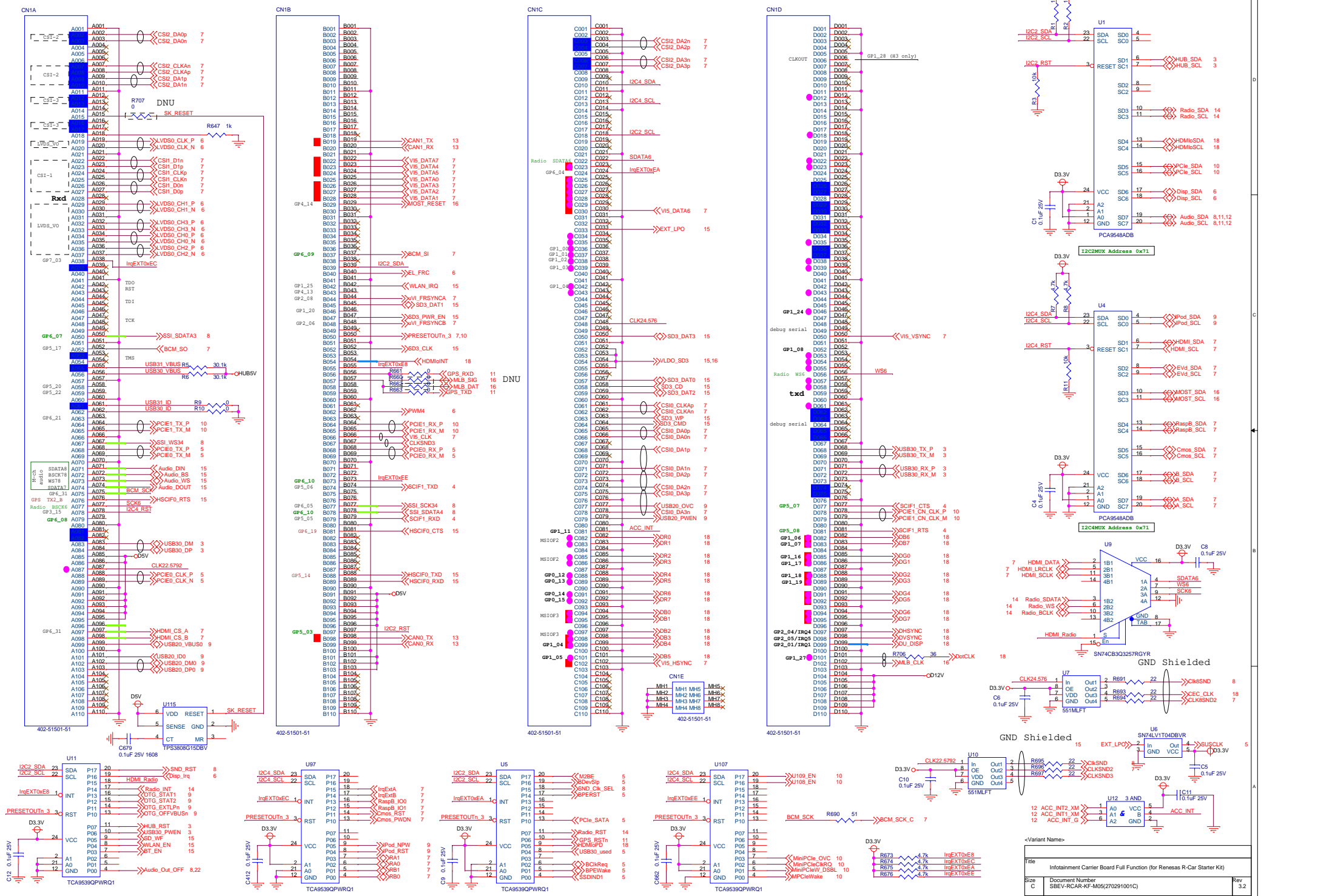
## Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit) for R-CarH3/M3-SiP System Board SBEV-RCAR-KF-M05

- 01 TOC
- 02 ULCB PORTS
- 03 USB HUB
- 04 COM PORT
- 05 M.2 Key M
- 06 VIDEO OUTPUT
- 07 VIDEO INPUT
- 08 AUDIO INPUT/OUTPUT
- 09 APPLE CARPLAY
- 10 MiniPCIe
- 11 GPS
- 12 GYRO
- 13 CAN IF
- 14 RADIO
- 15 SDHCI WIFI/BT
- 16 MOST IF
- 17 POWER
- 18 Auxiliary HDMI Output
- 19-21 Audio analog Inputs
- 22-25 Audio analog Output

<Variant Name>

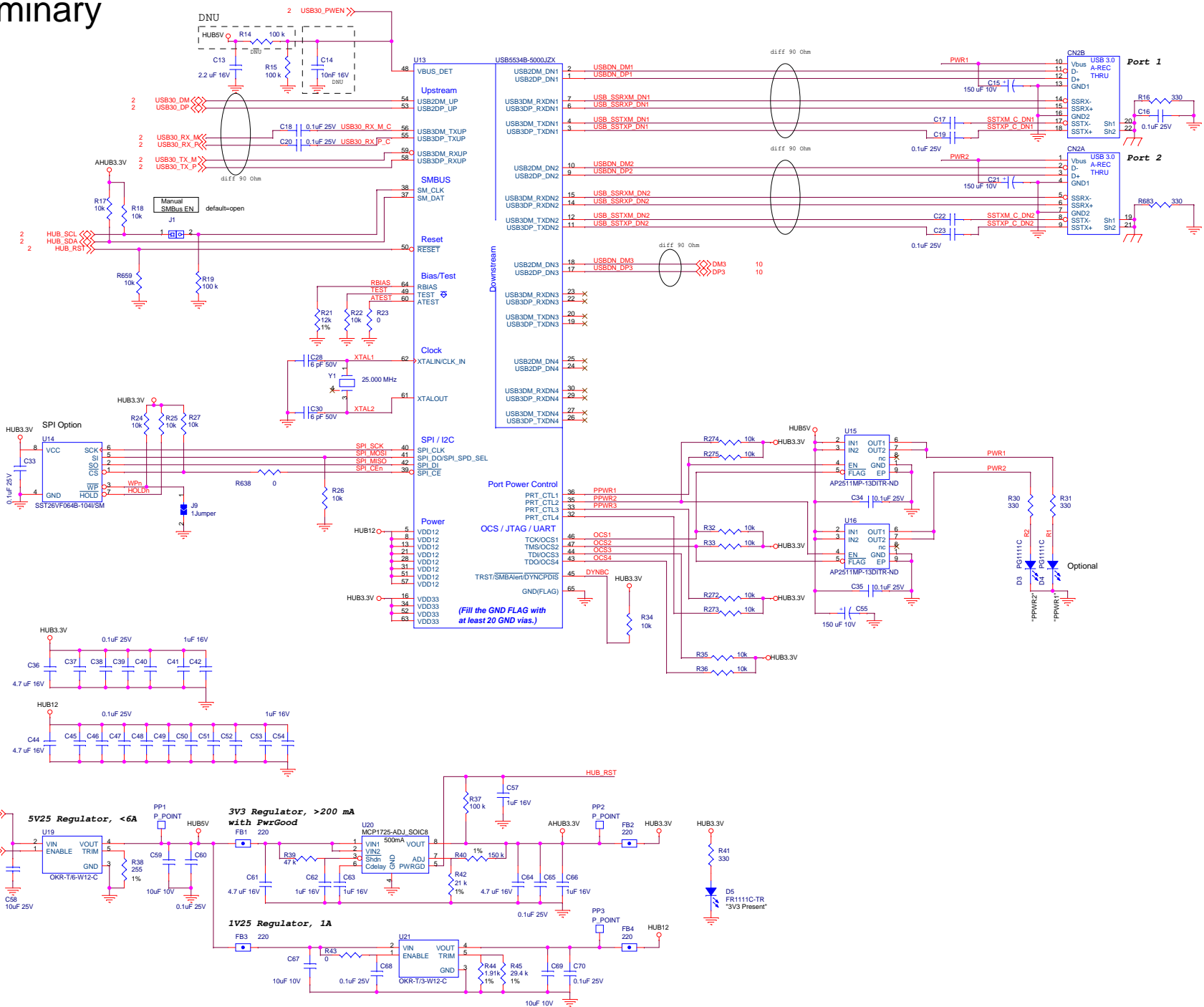
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Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M05(270291001C)	3.2
Date:	Wednesday, August 01, 2018	Sheet 1 of 25

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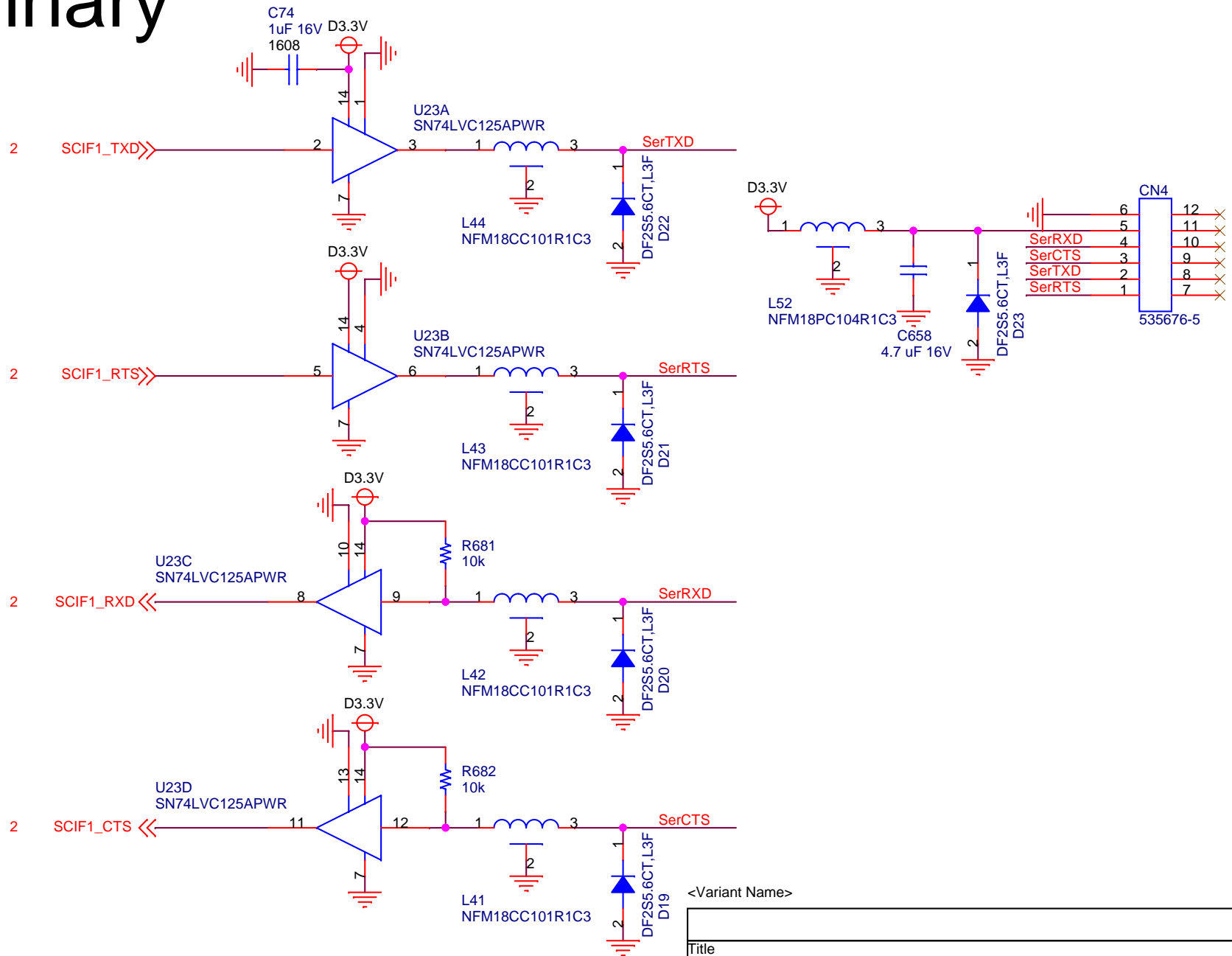
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Size	Document Number	SBEV-RCAR-KF-M05(2/20191001C)
C	Revision	Rev. 3.2
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Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
C	SBEV-RCAR-KF-M05(270291001C)	3.1
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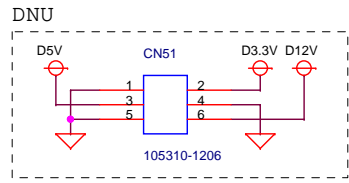
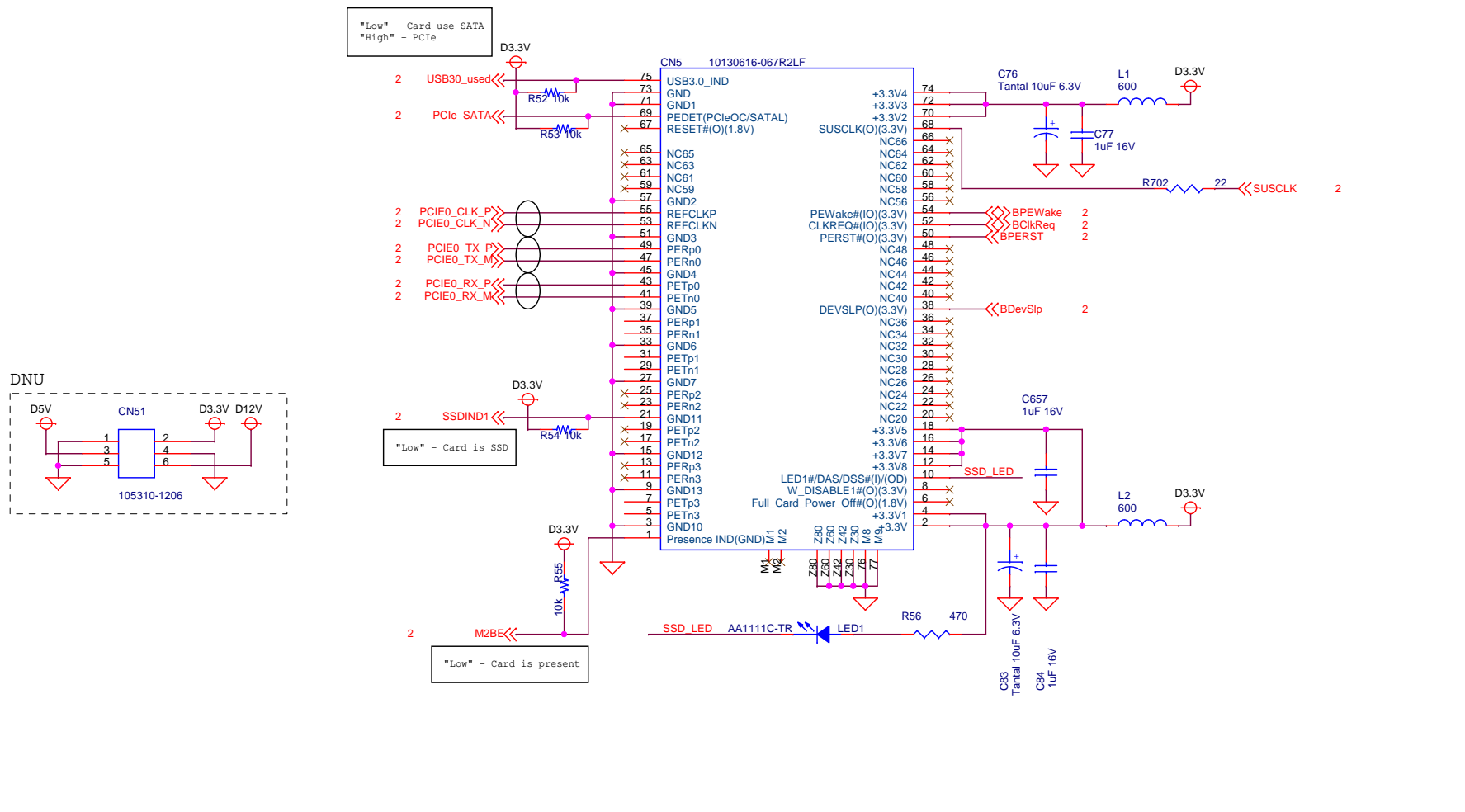
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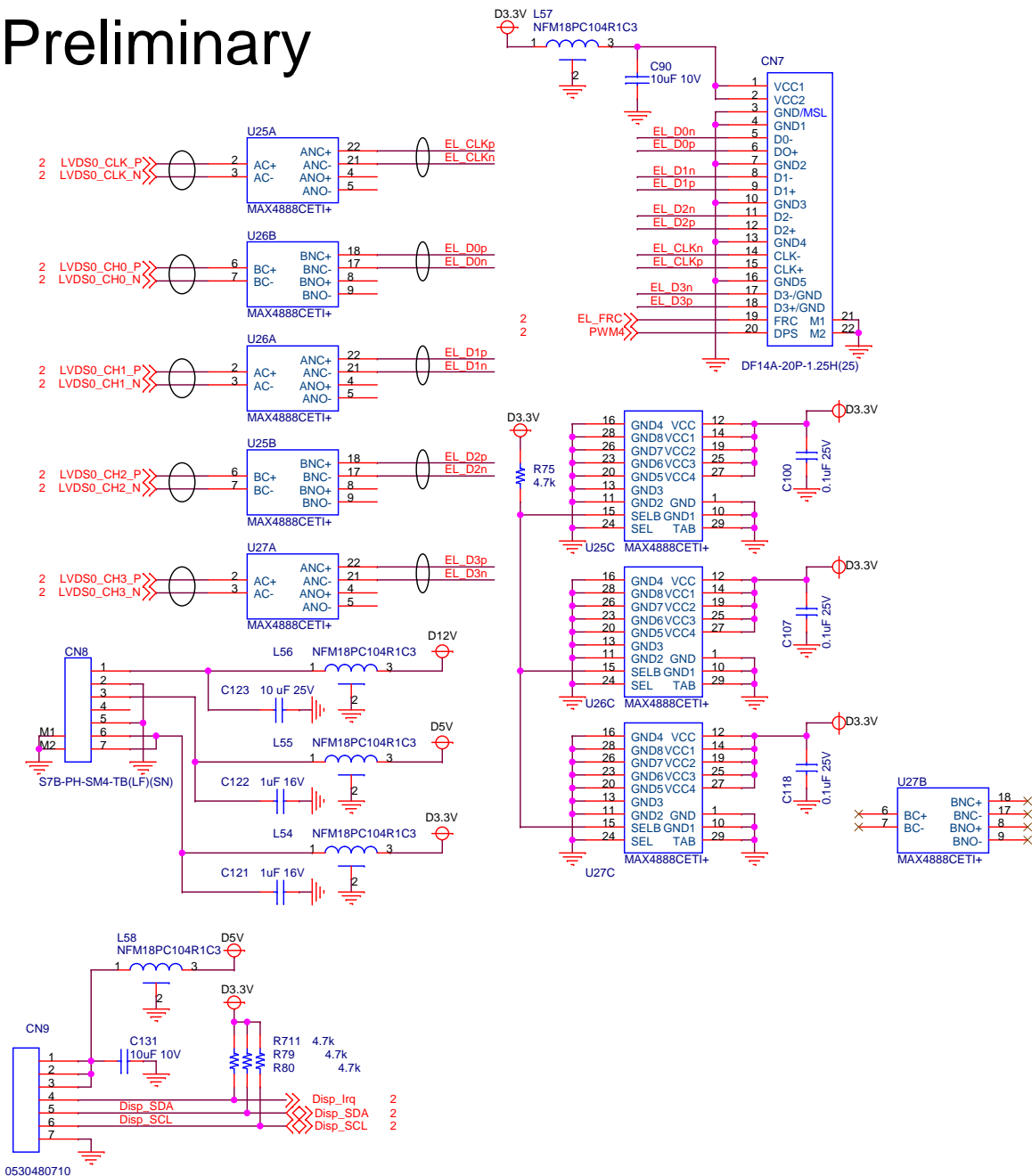
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Size	Document Number	Rev
A	SBEV-RCAR-KF-M05(270291001C)	3.1
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Size	Document Number	Rev
B	SBEV-RCAR-KF-M05(270291001C)	3.1
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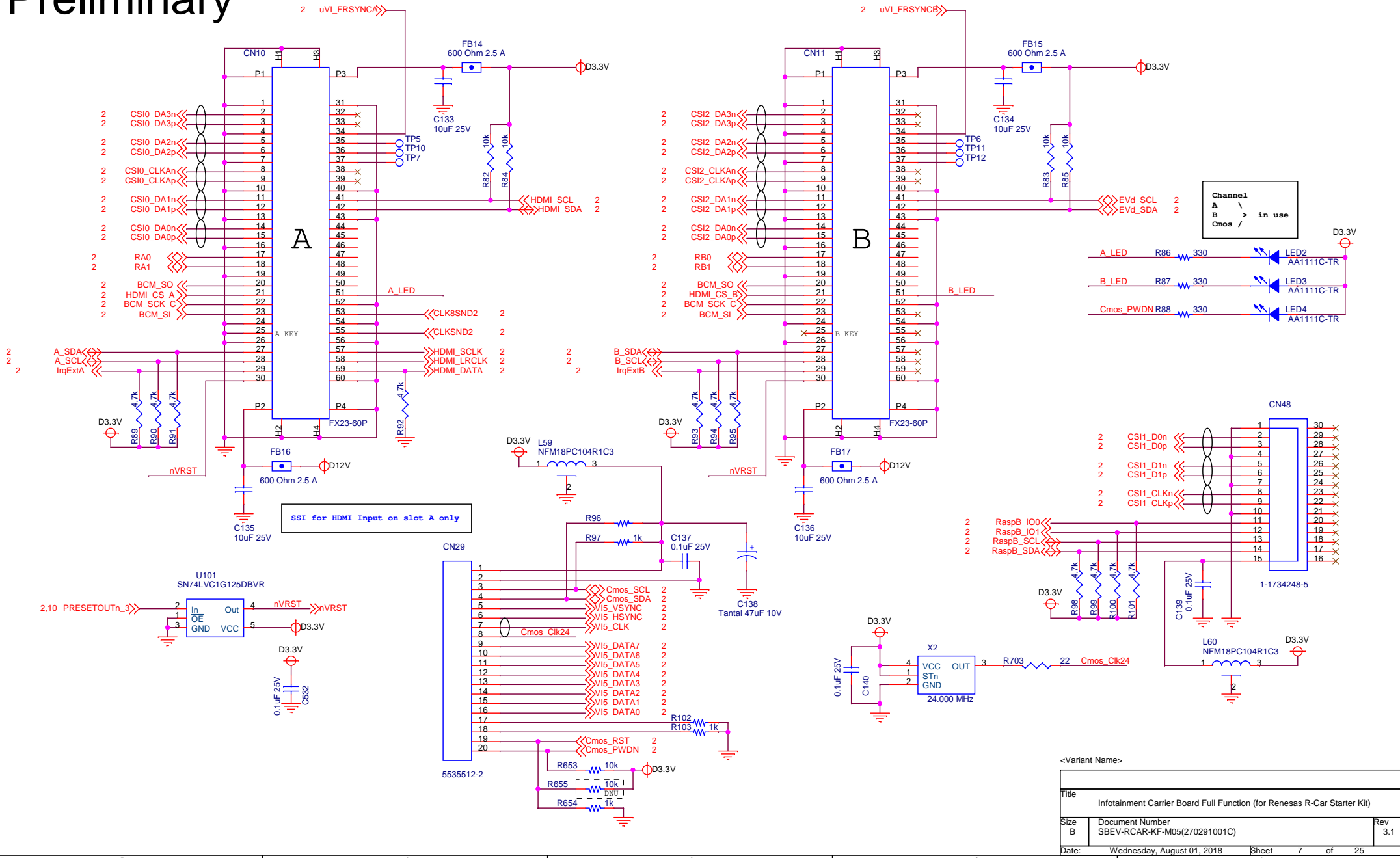
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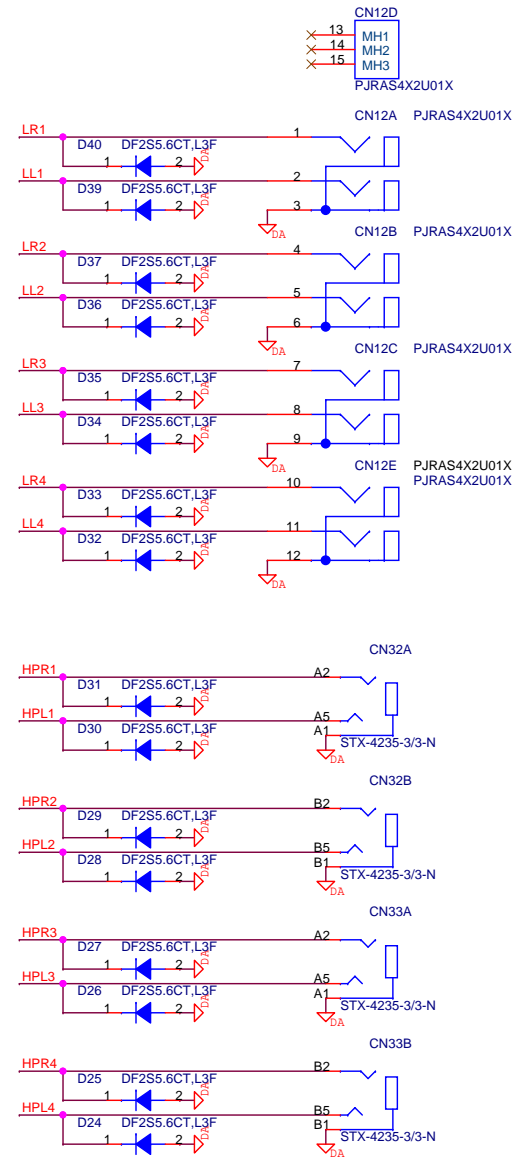
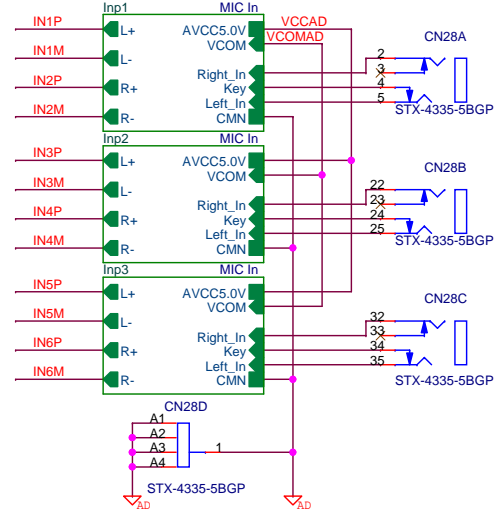
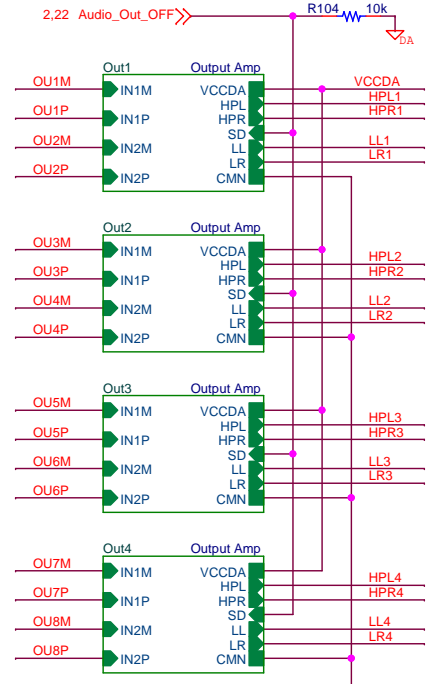
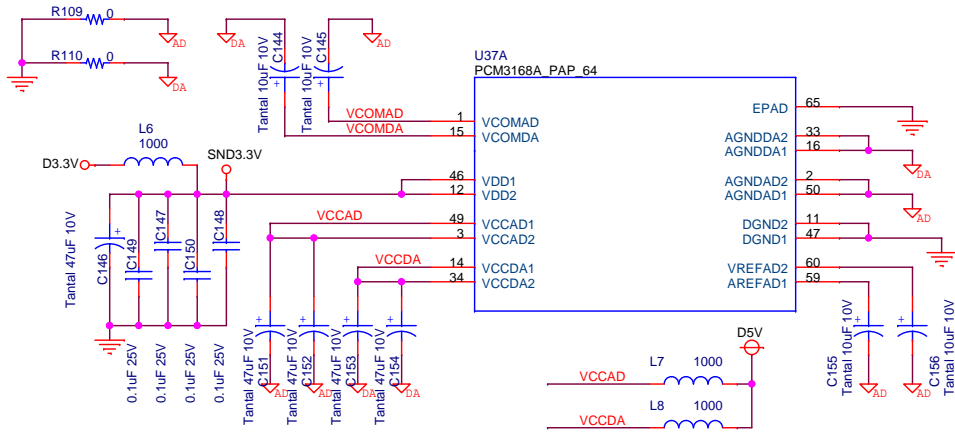
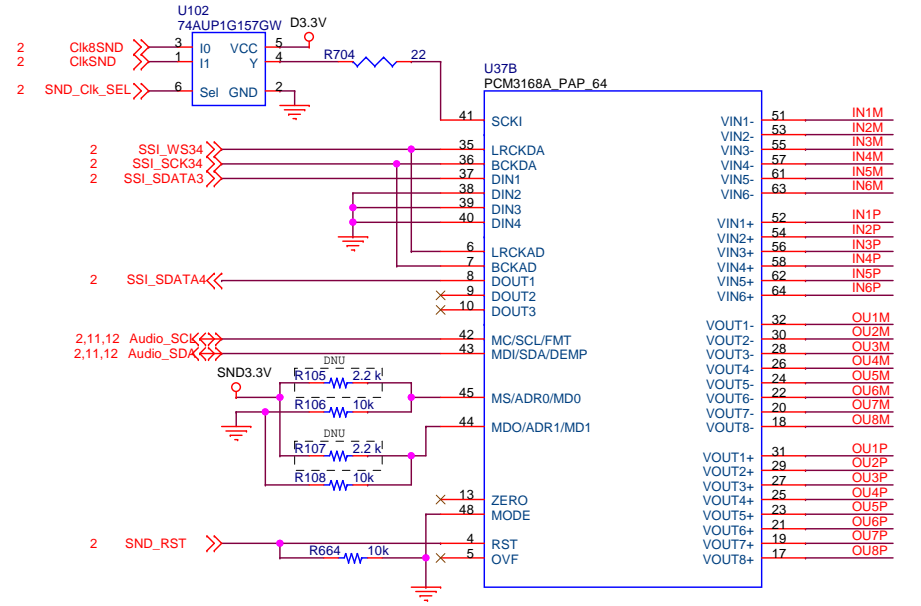
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Size B	Document Number SBEV-RCAR-KF-M05(270291001C)	Rev 3.1
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<Variant Name>		
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Size	Document Number	Rev
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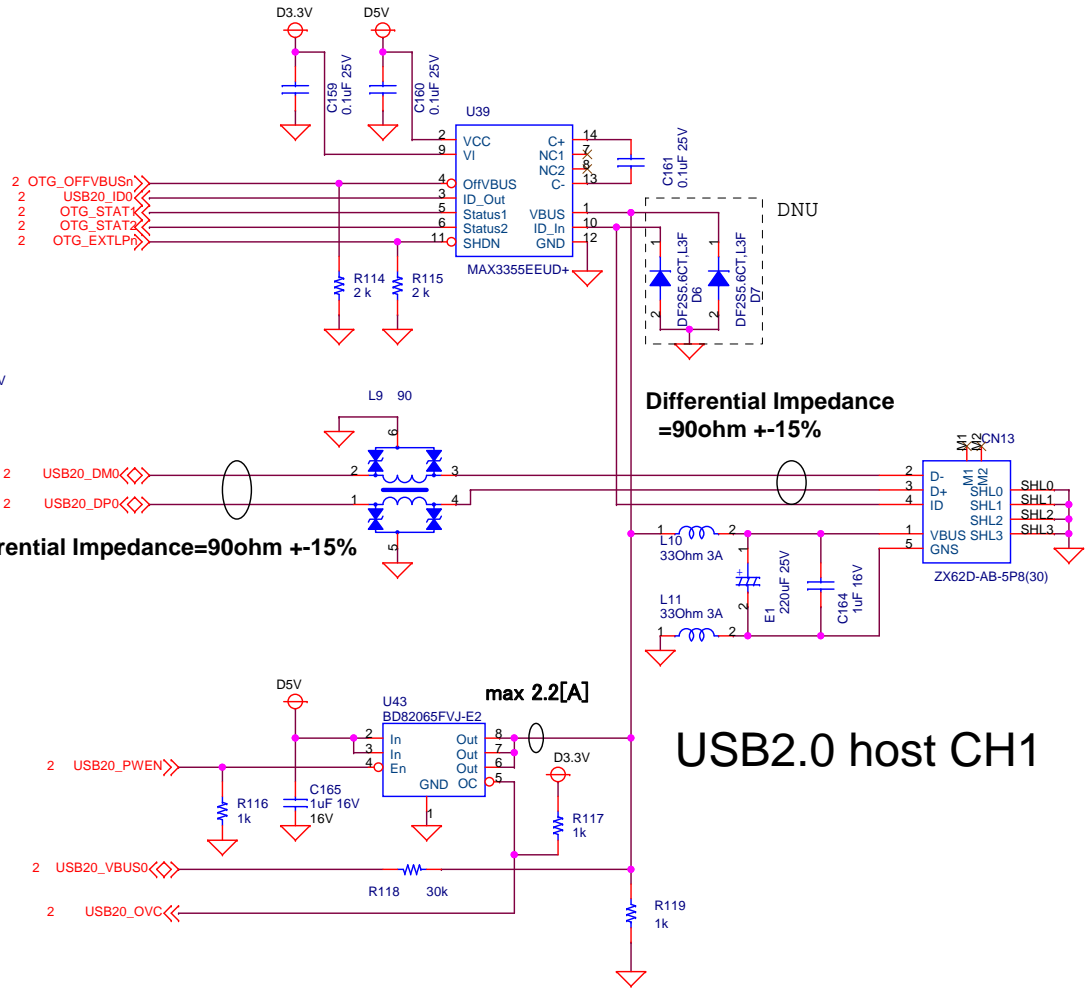
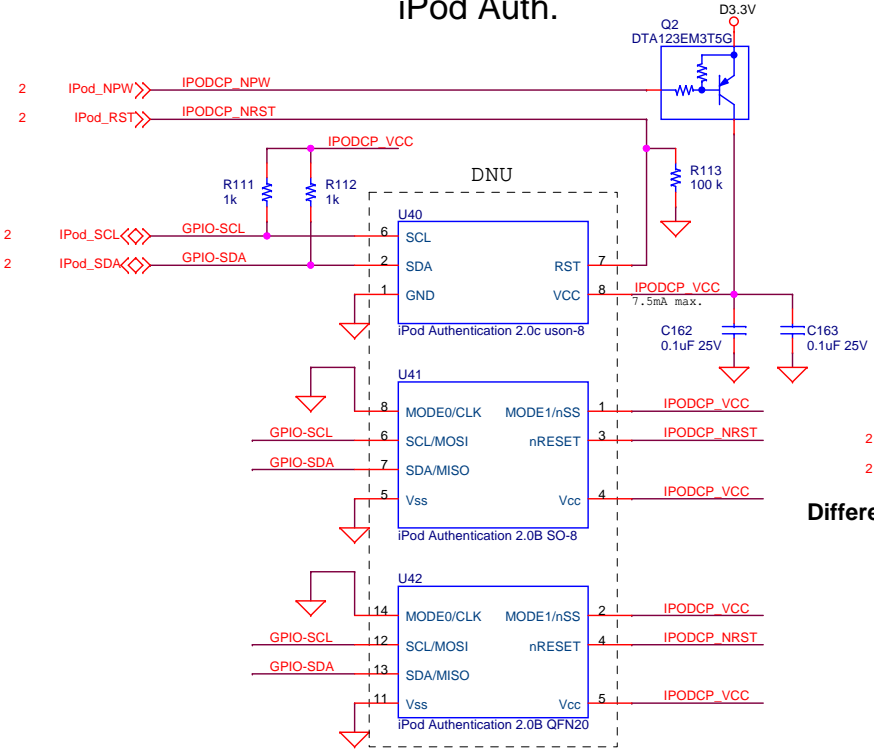
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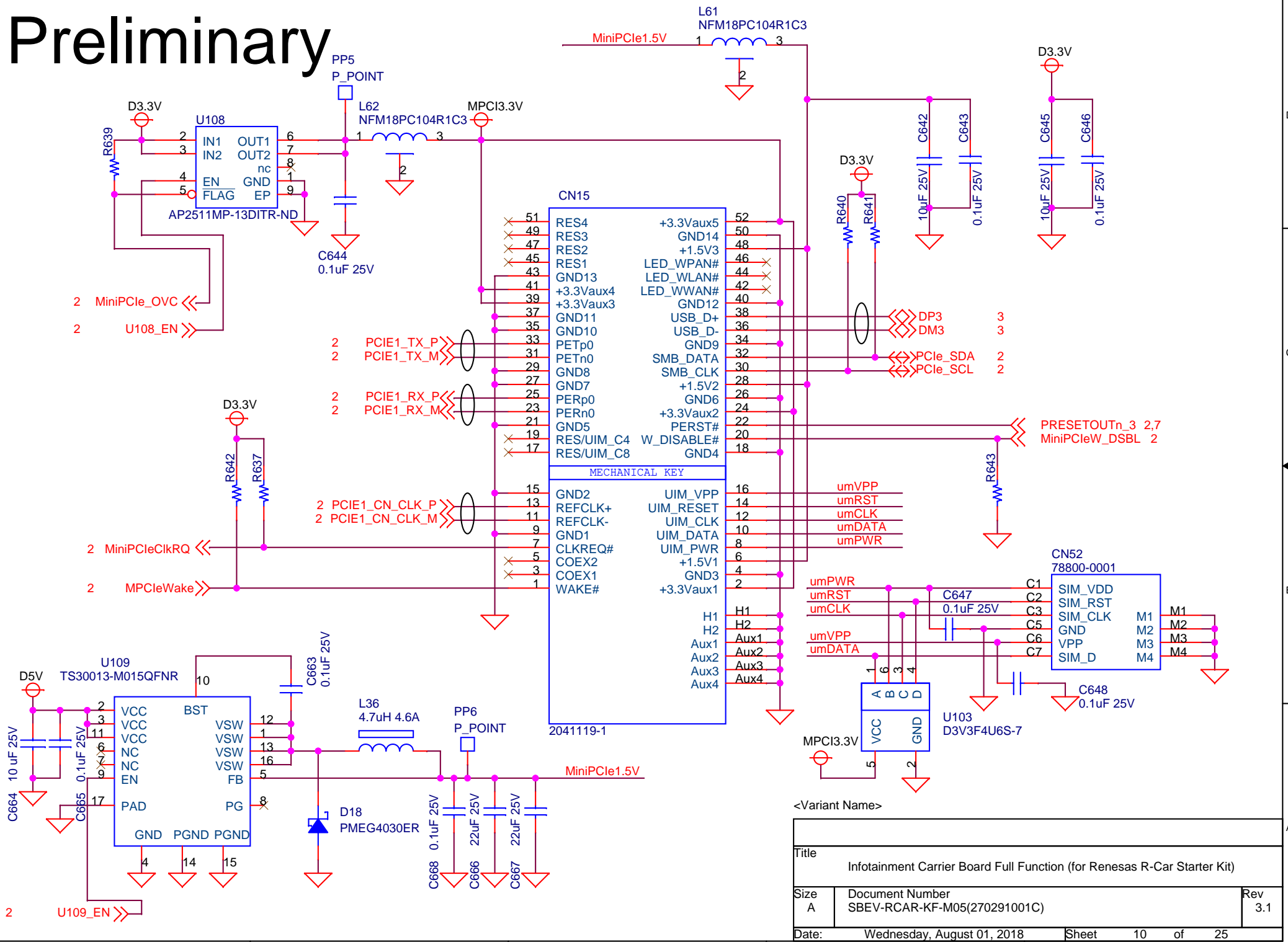
## iPod Auth.



## USB2.0 host CH1

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Size B	Document Number SBEV-RCAR-KF-M05(270291001C)	Rev 3.1
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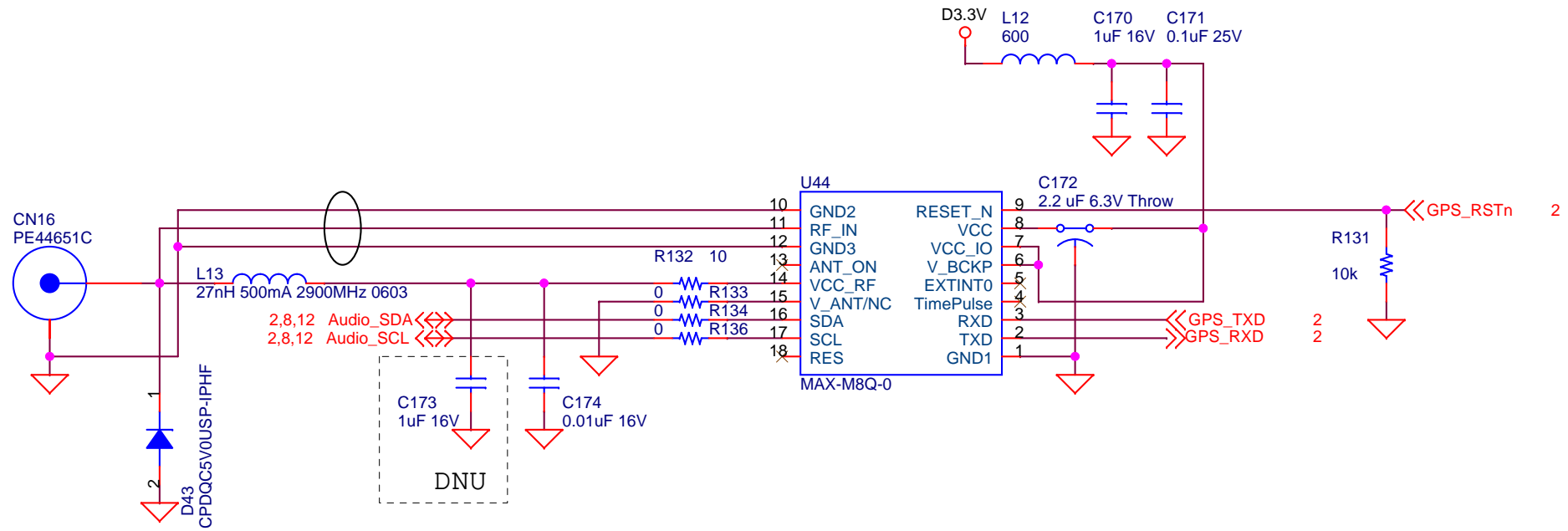
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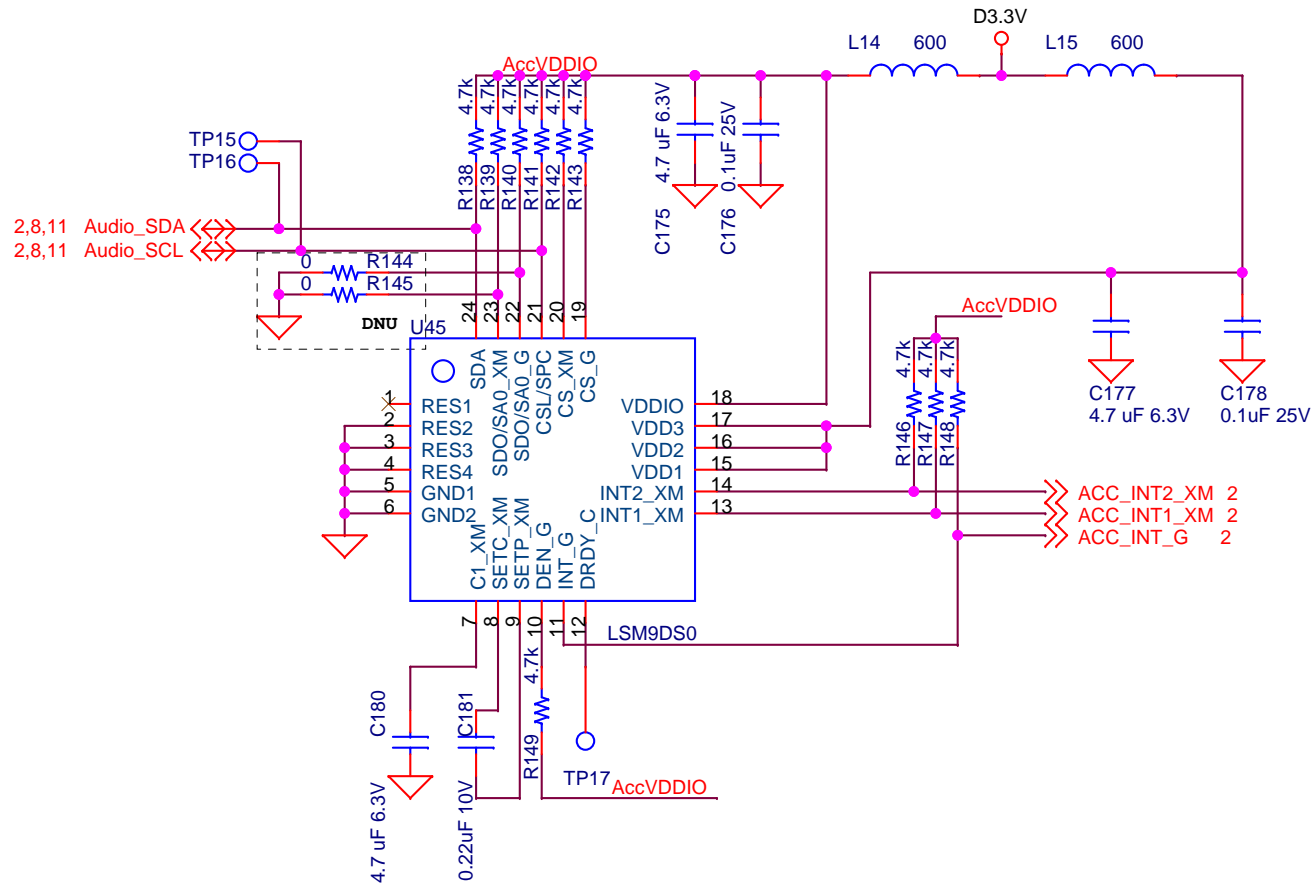
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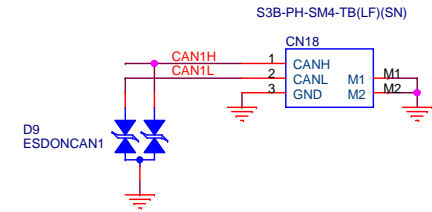
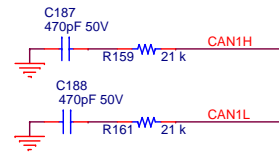
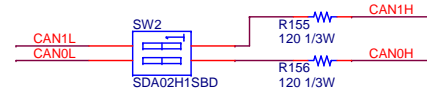
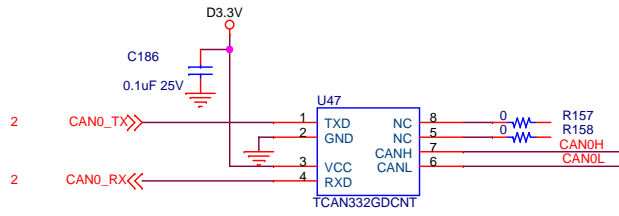
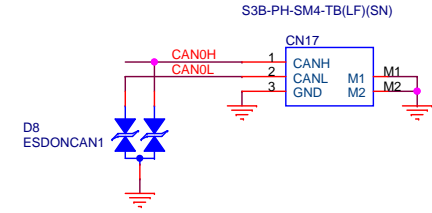
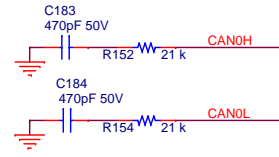
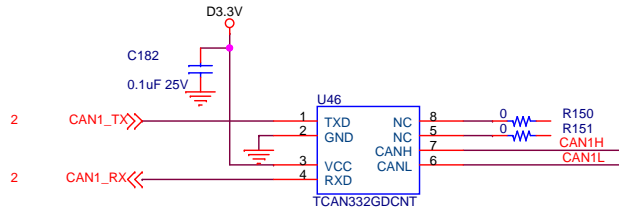
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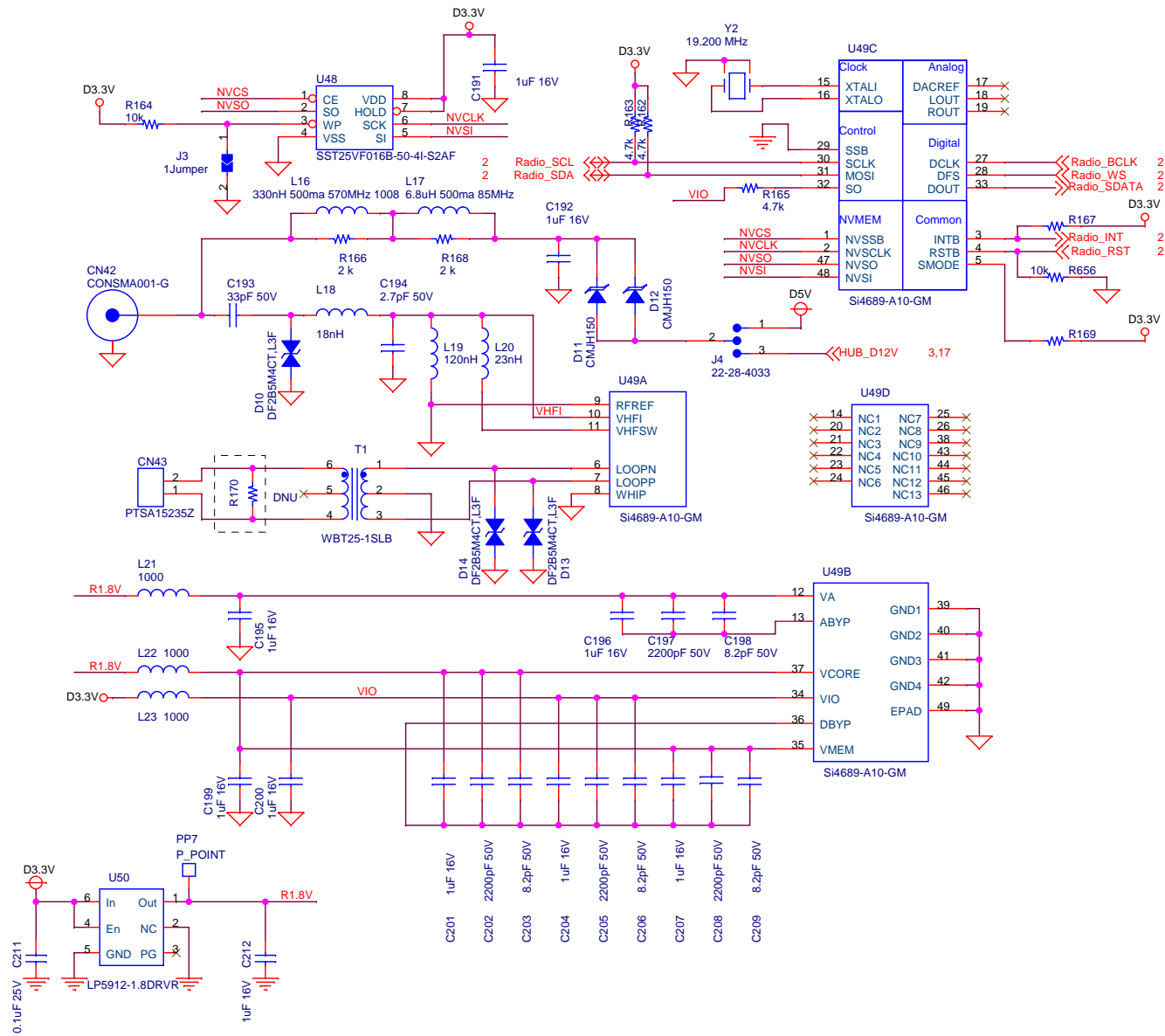
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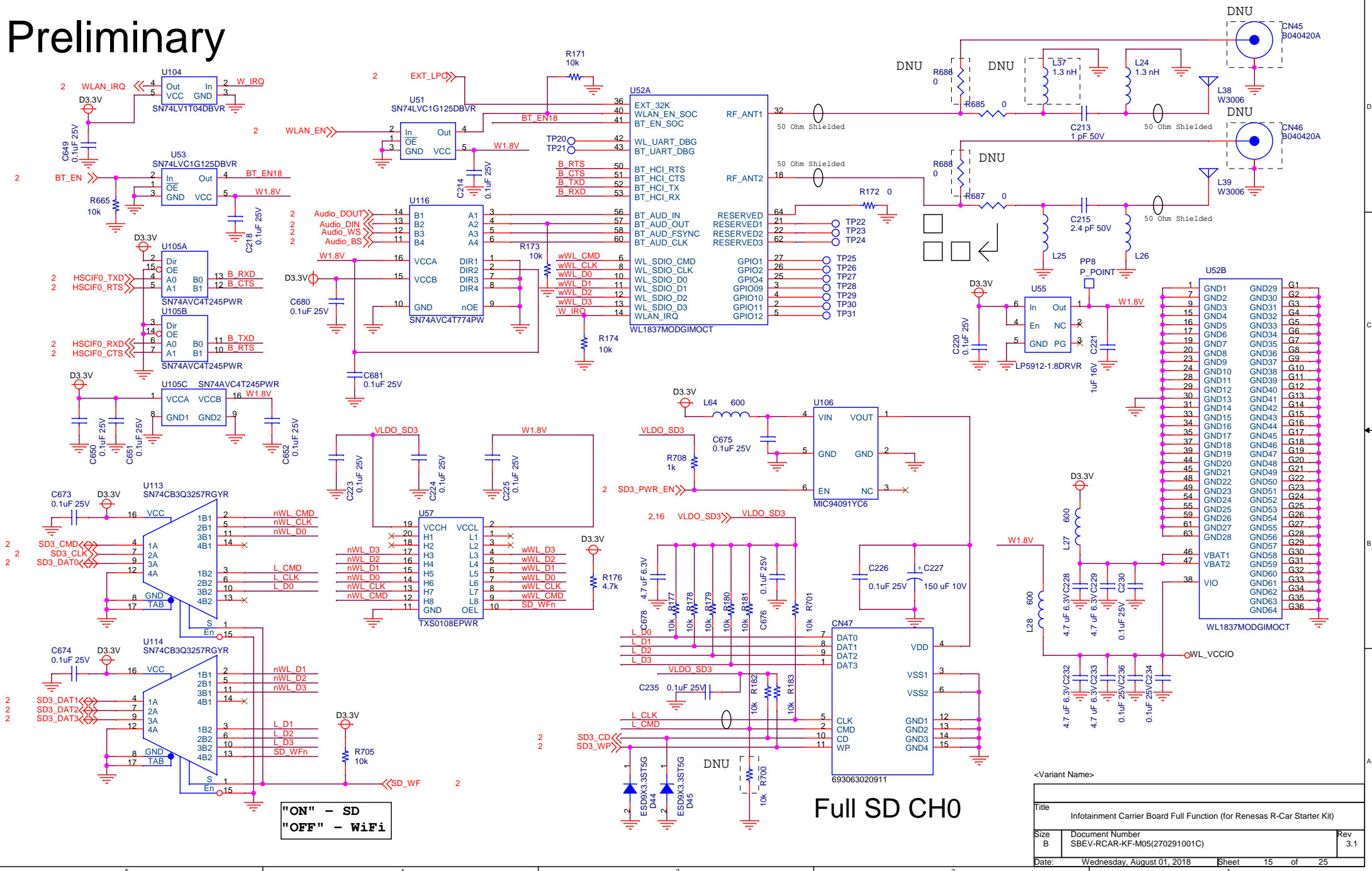
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Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
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<Variant Name>		
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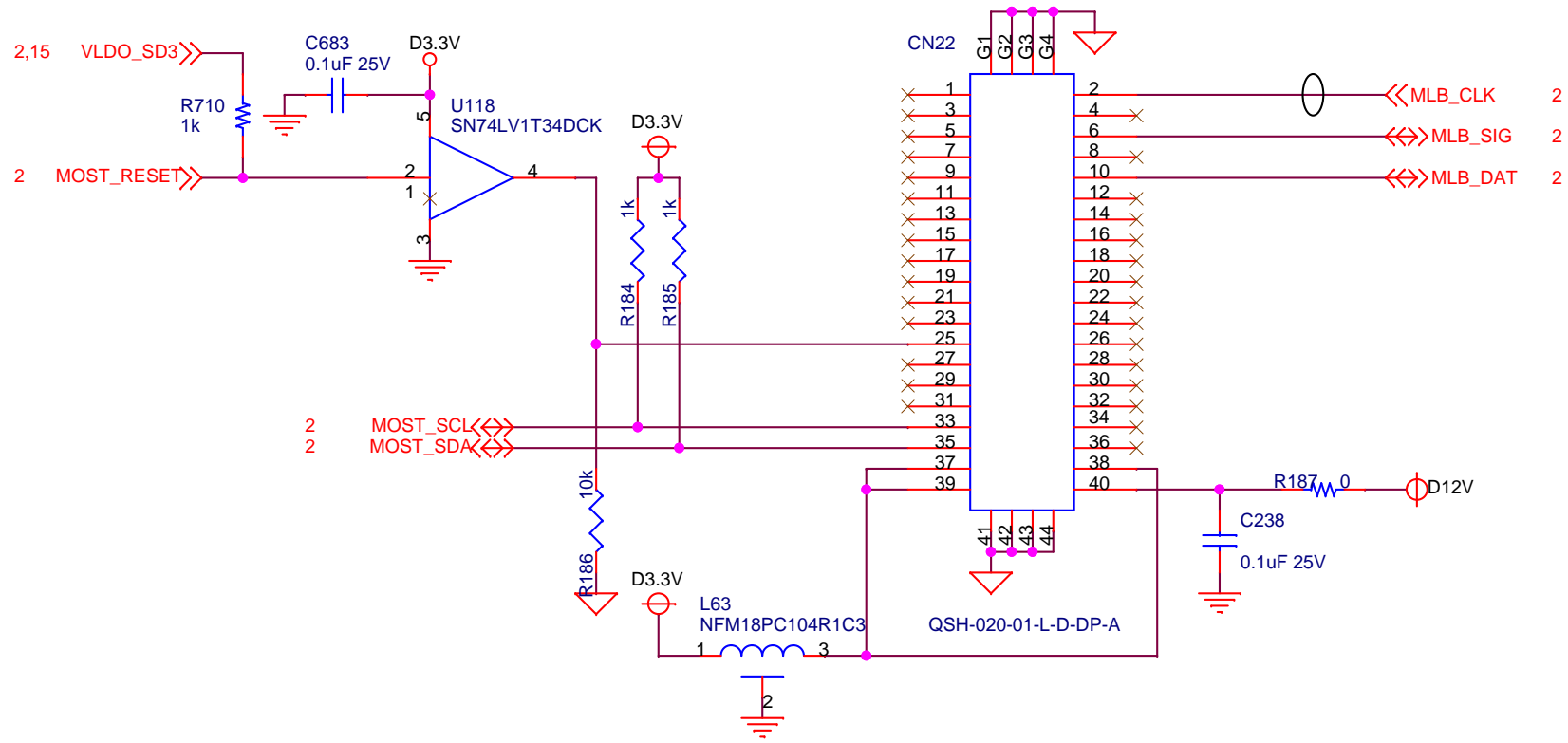


"ON" - SD  
"OFF" - Wi-Fi

Full SD CH0

Title		
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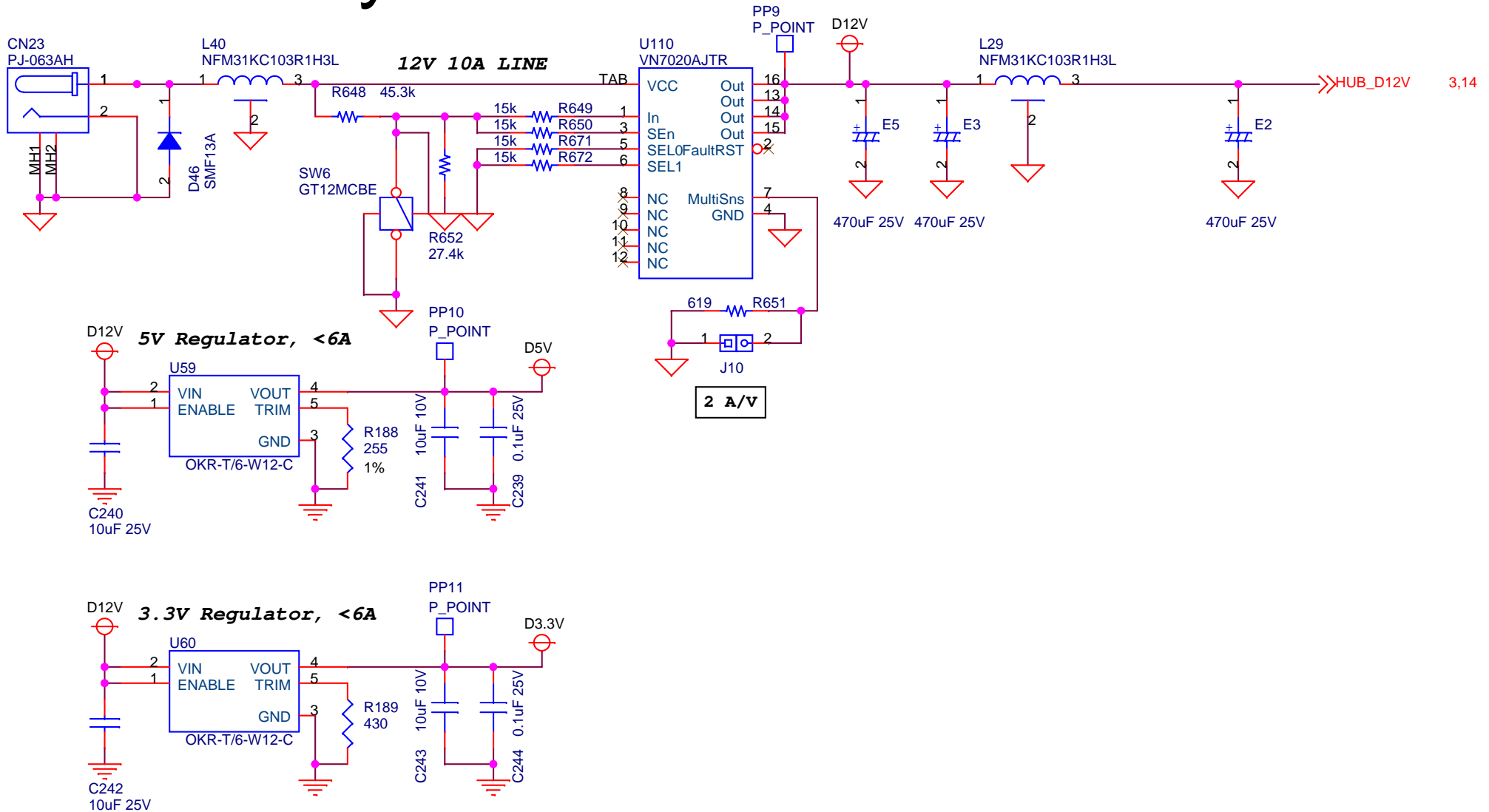


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Size	Document Number	Rev
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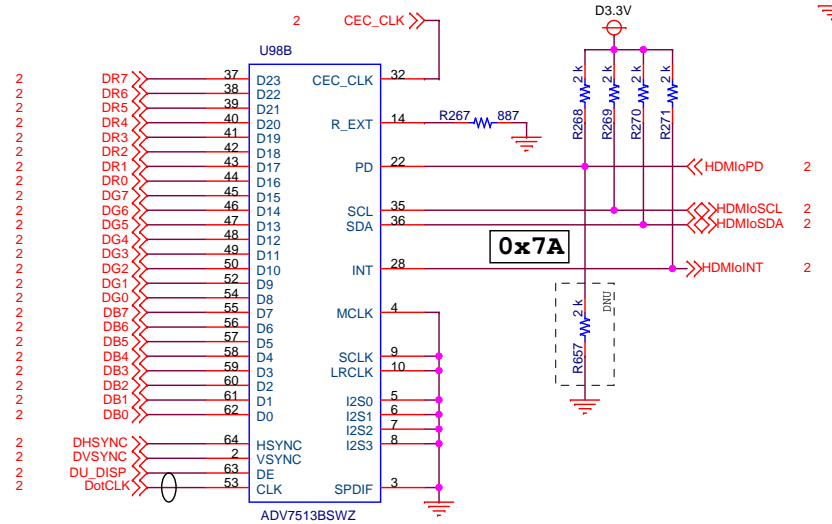
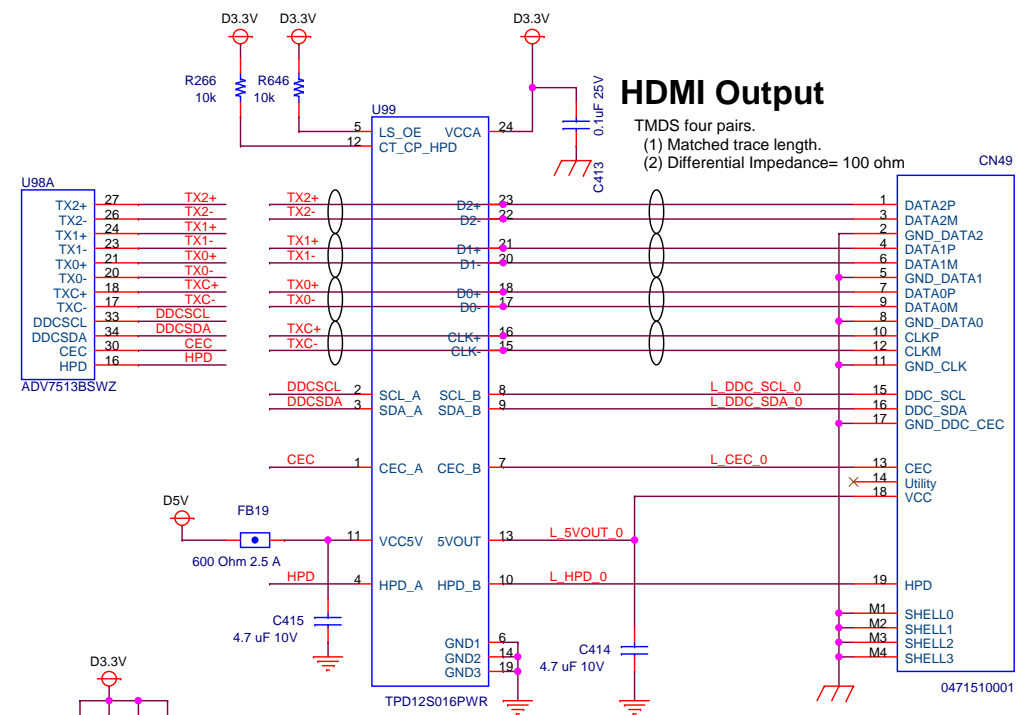
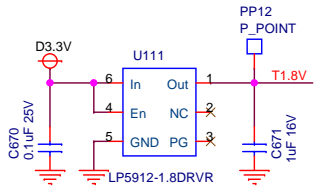
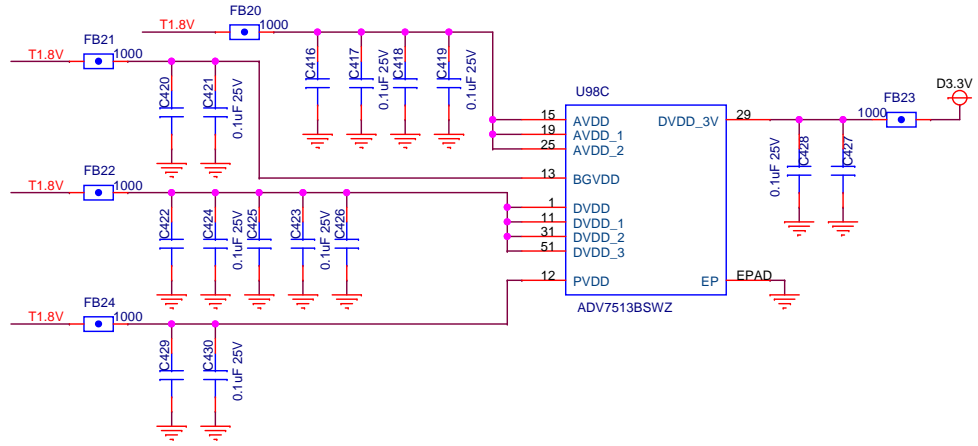


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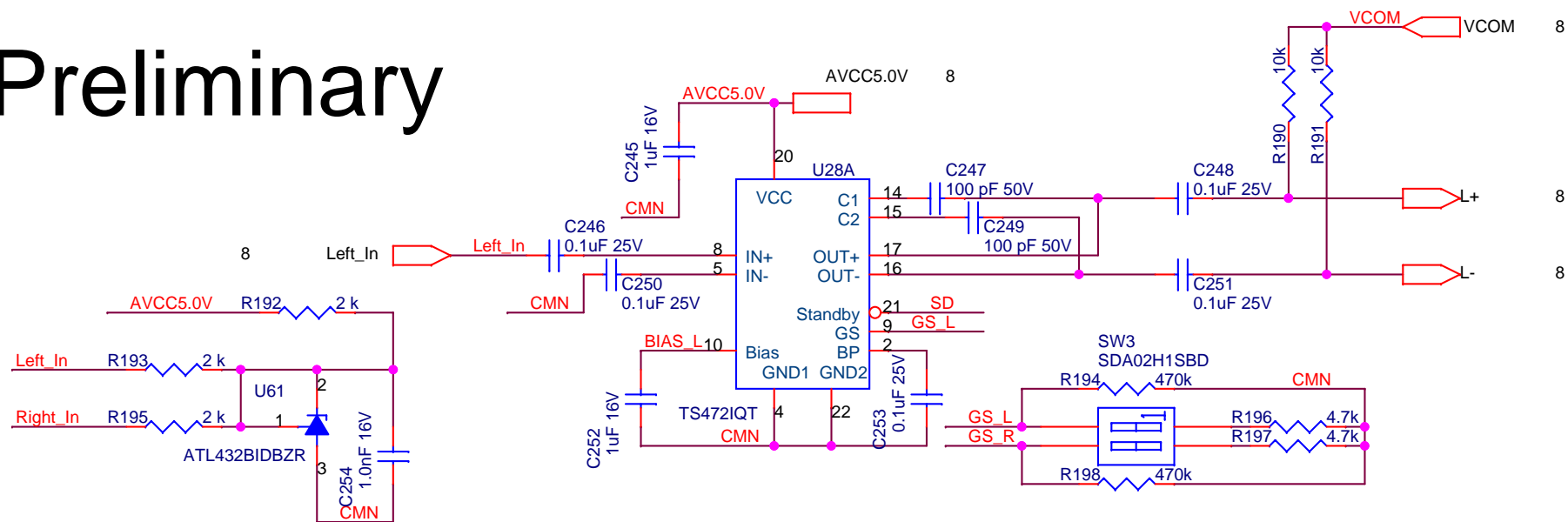


### HDMI Output

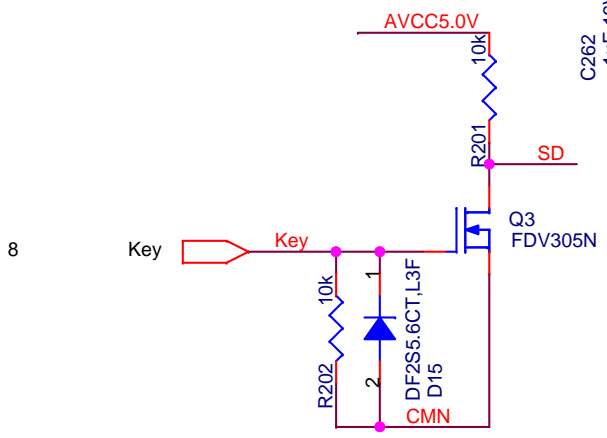
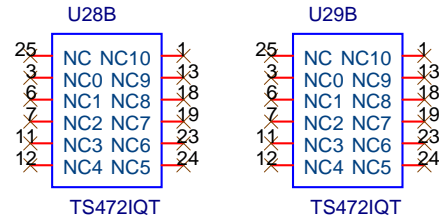
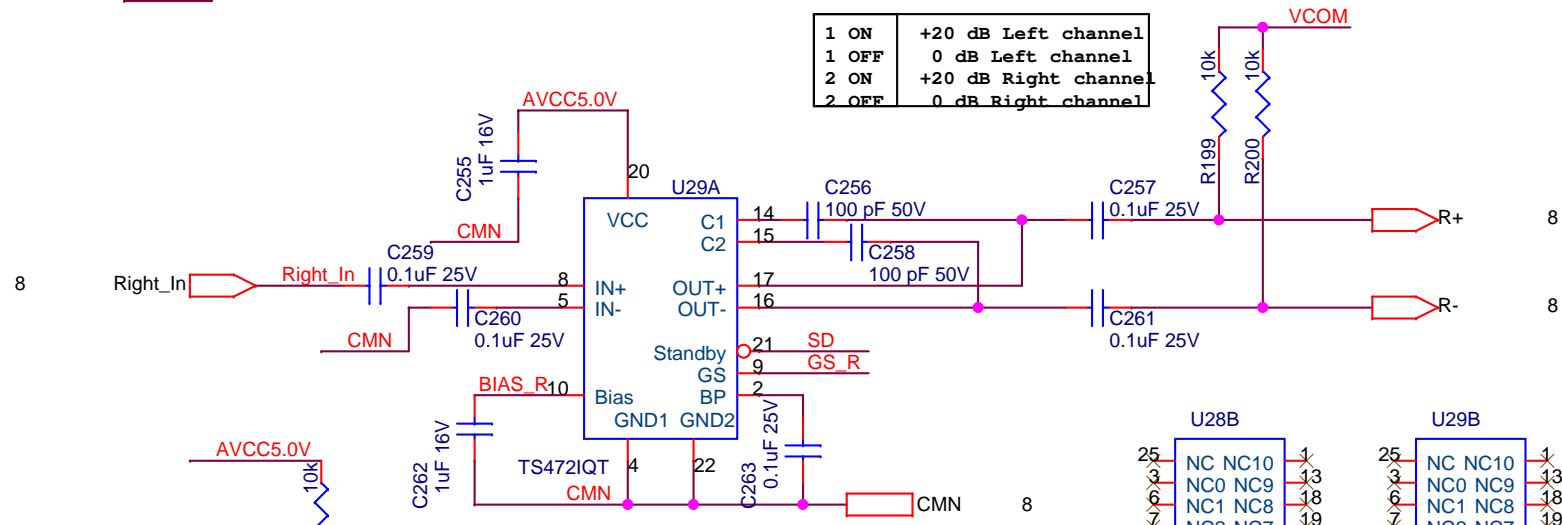
TMDS four pairs.  
 (1) Matched trace length.  
 (2) Differential Impedance= 100 ohm

<Variant Name>		
Title Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size B	Document Number SBEV-RCAR-KF-M05(270291001C)	Rev 3.1
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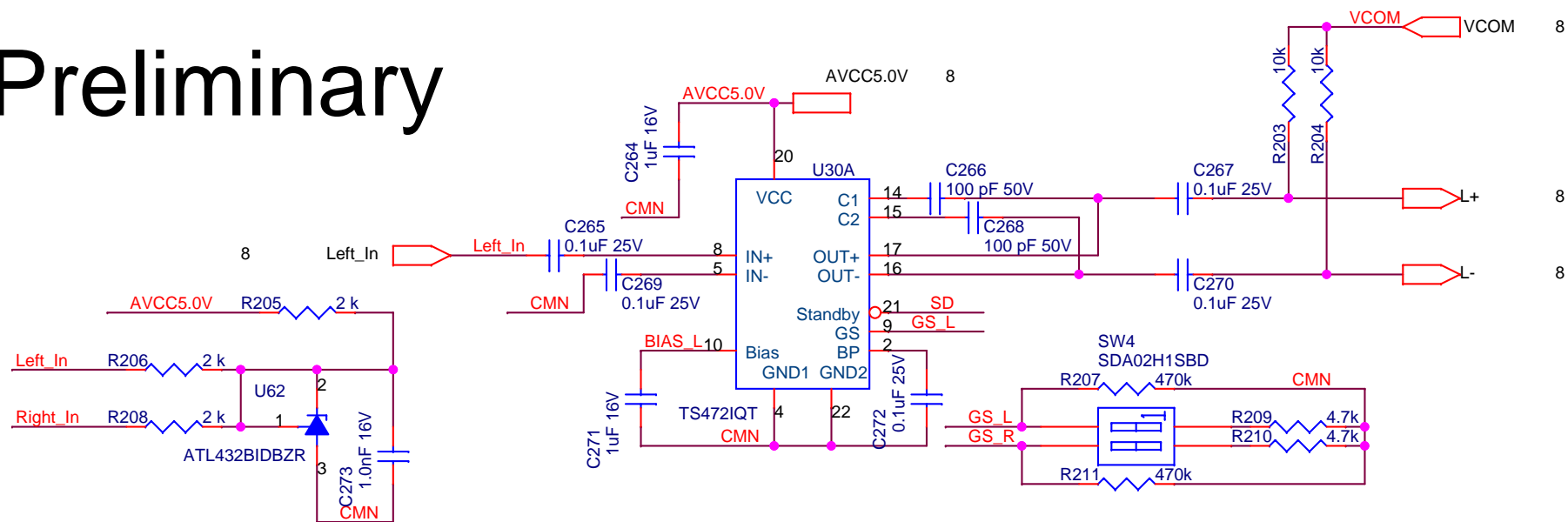


1 ON	+20 dB Left channel
1 OFF	0 dB Left channel
2 ON	+20 dB Right channel
2 OFF	0 dB Right channel

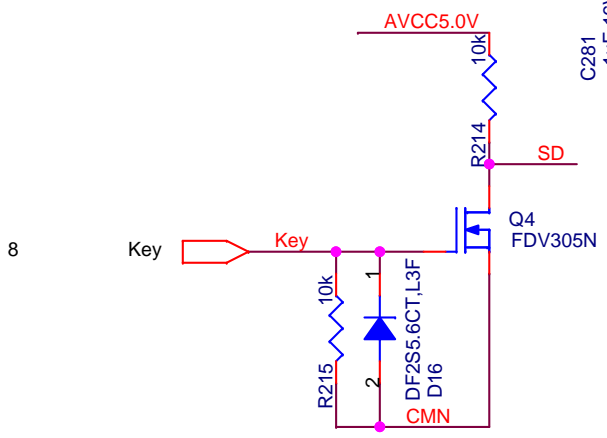
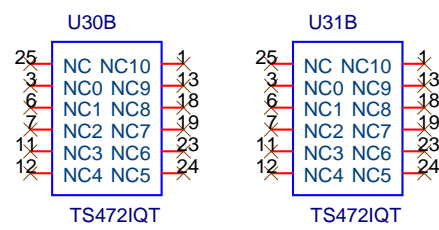
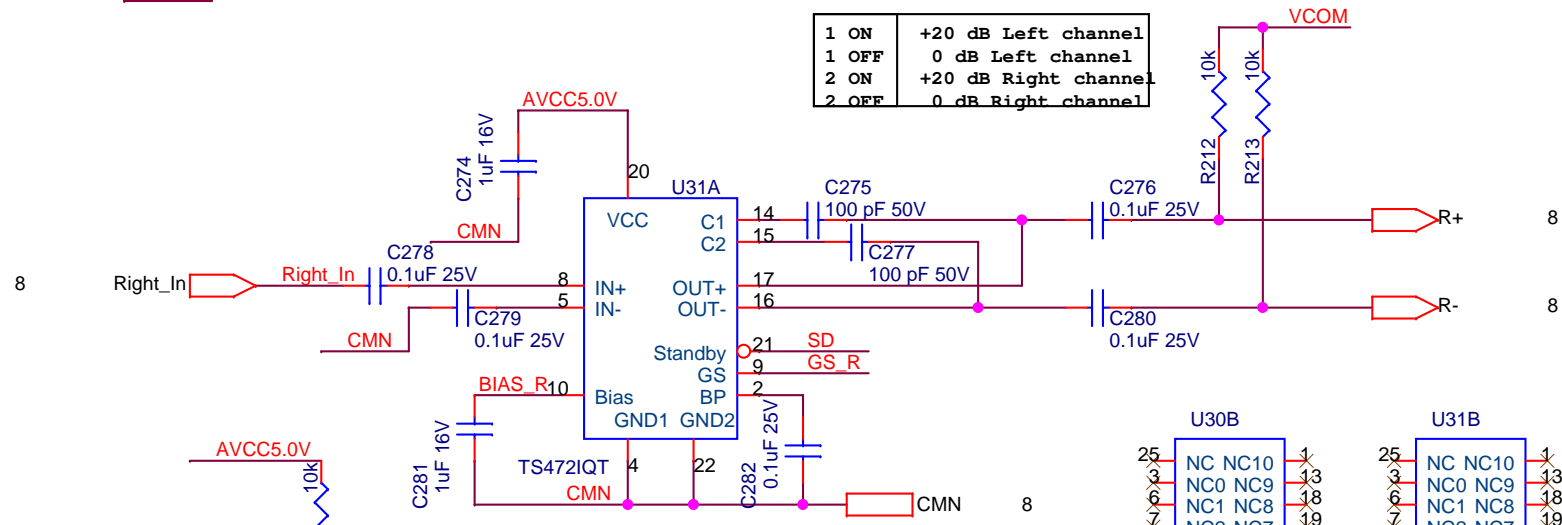


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Size A	Document Number SBEV-RCAR-KF-M05(270291001C)	Rev 3.1
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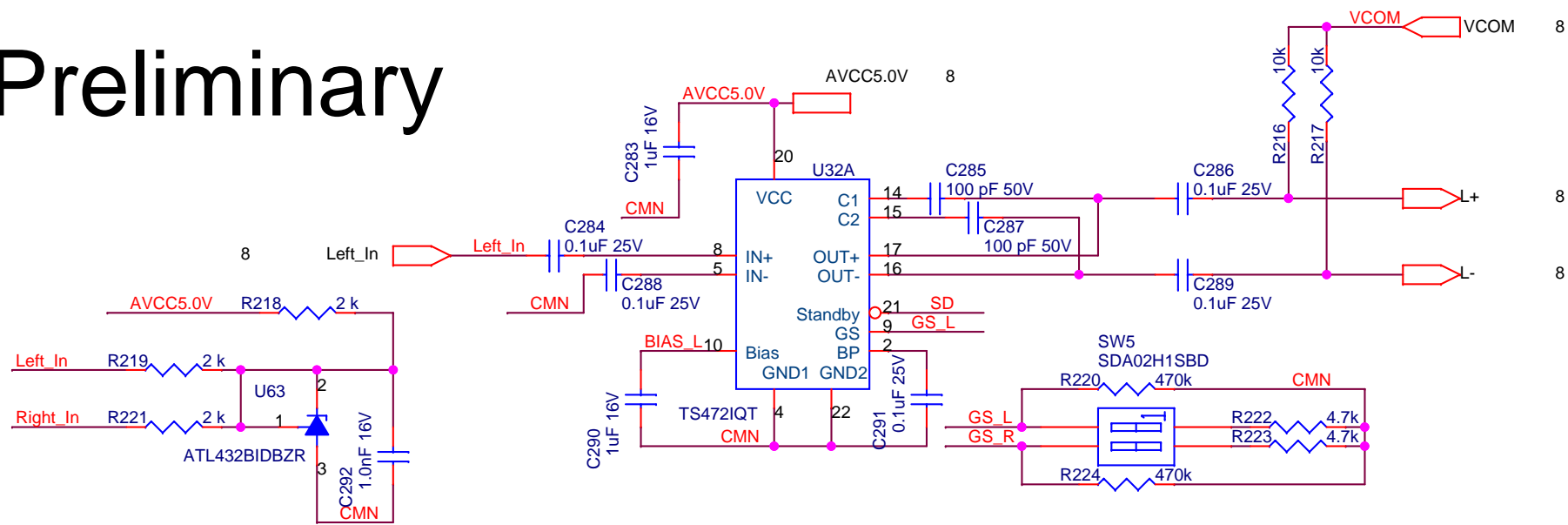


1 ON	+20 dB Left channel
1 OFF	0 dB Left channel
2 ON	+20 dB Right channel
2 OFF	0 dB Right channel

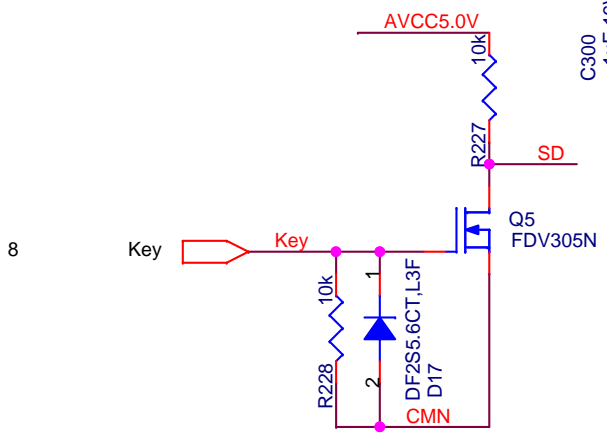
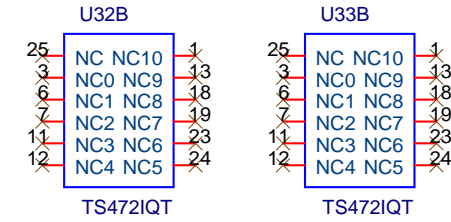
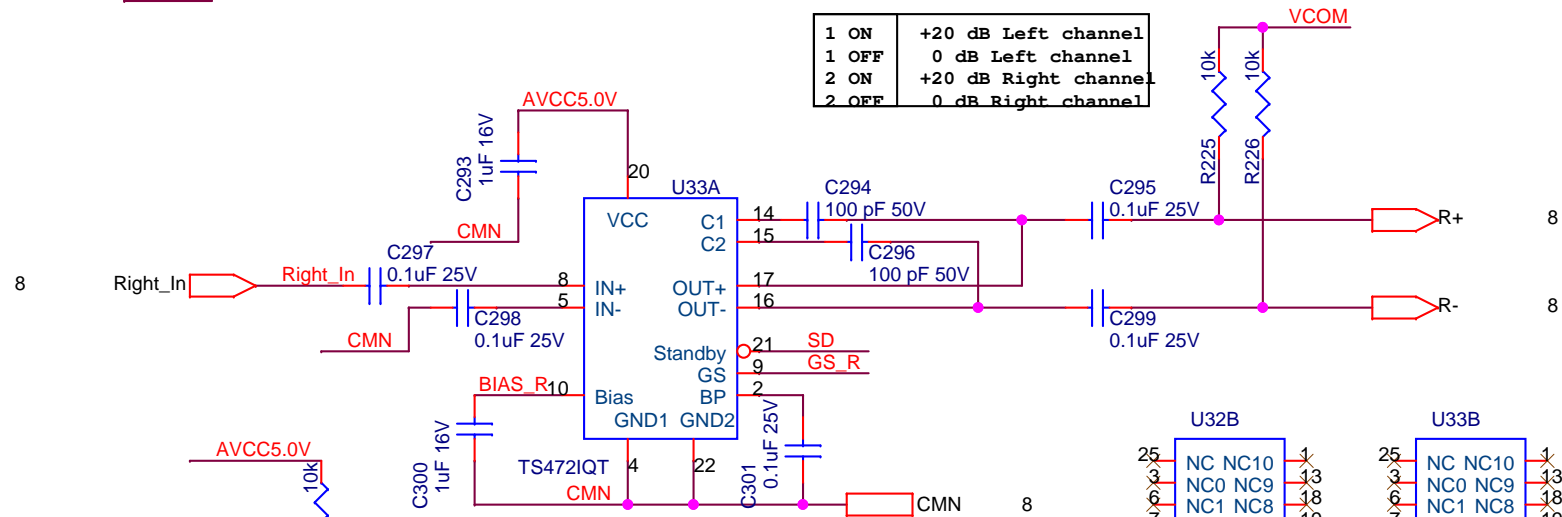


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Size A	Document Number SBEV-RCAR-KF-M05(270291001C)	Rev 3.1
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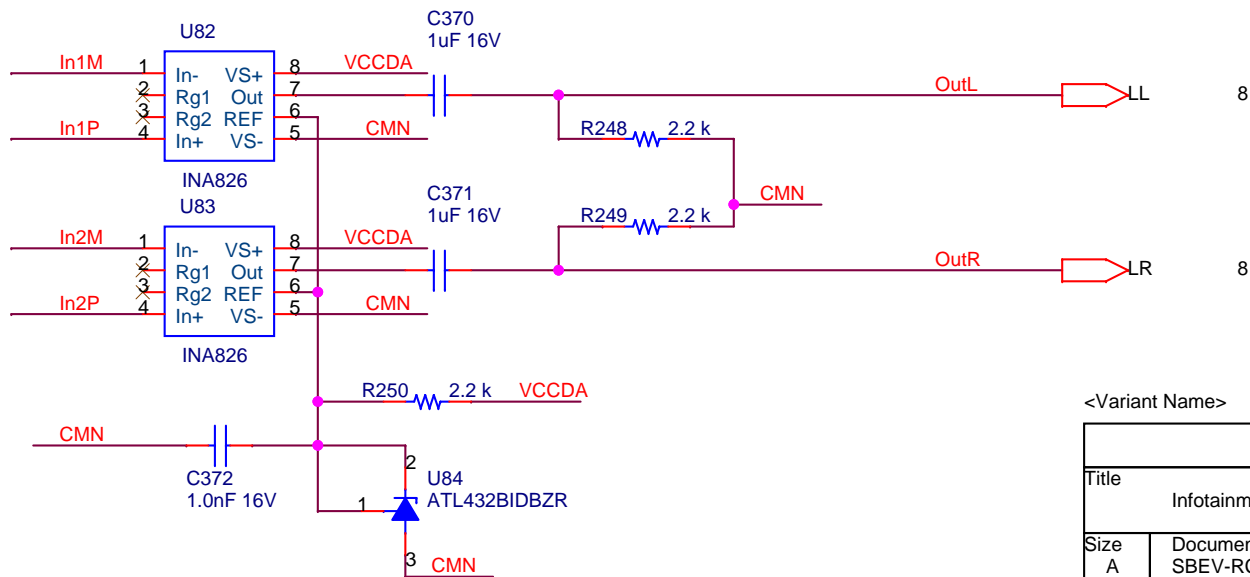
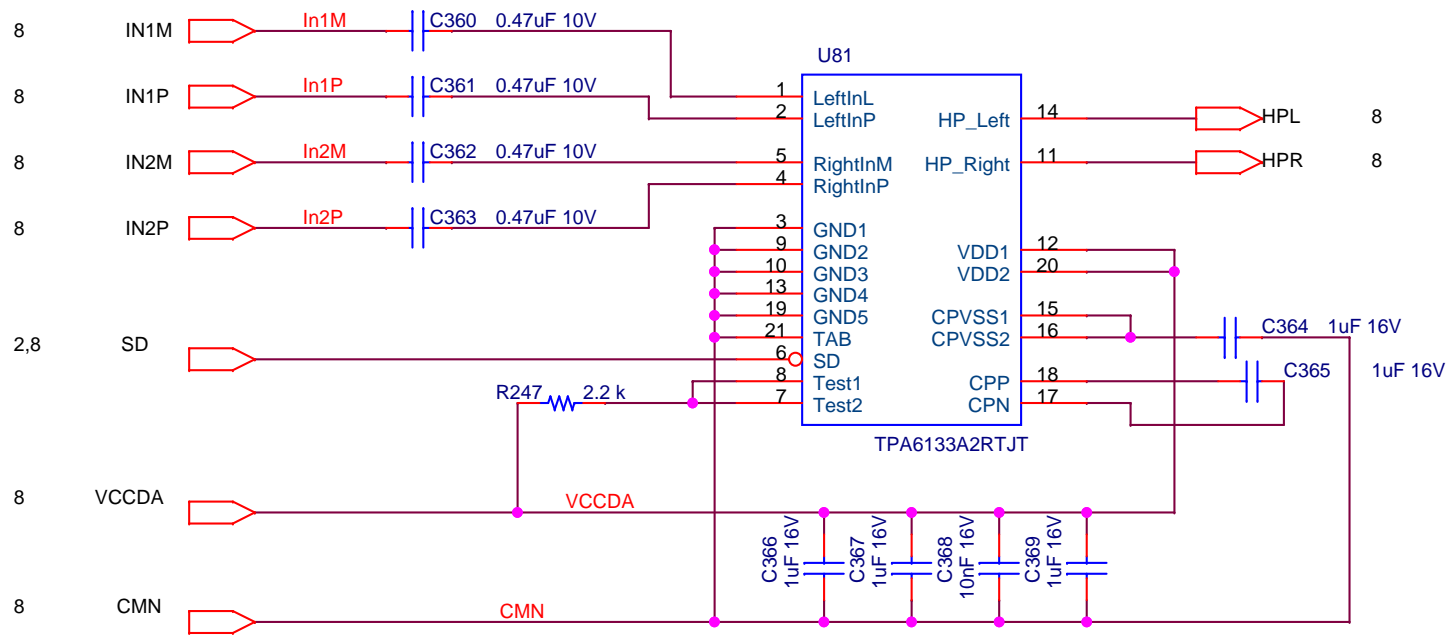
1 ON	+20 dB Left channel
1 OFF	0 dB Left channel
2 ON	+20 dB Right channel
2 OFF	0 dB Right channel



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Size	Document Number	Rev
A	SBEV-RCAR-KF-M05(270291001C)	3.1
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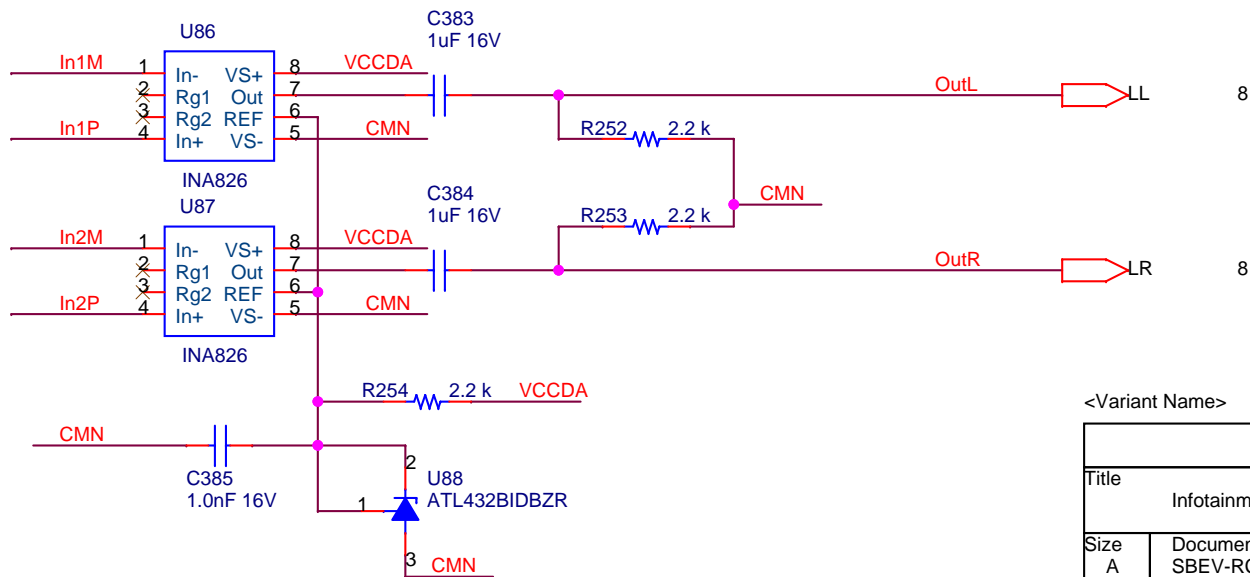
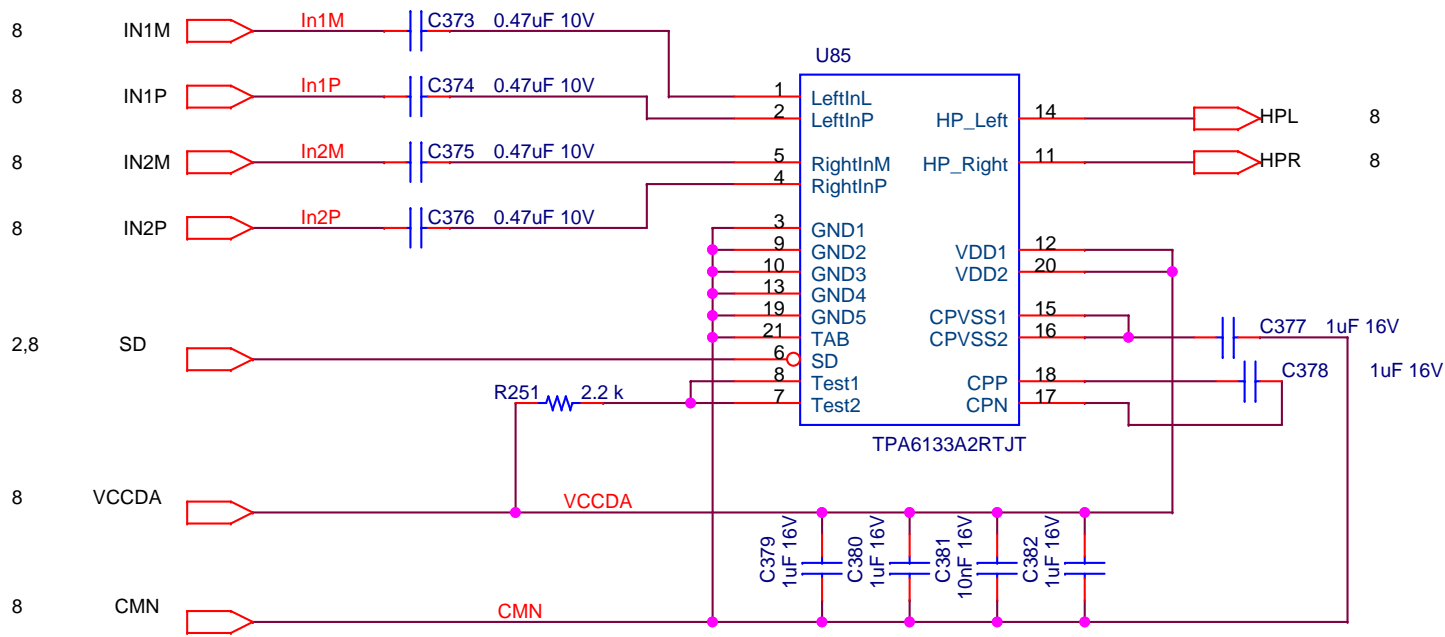
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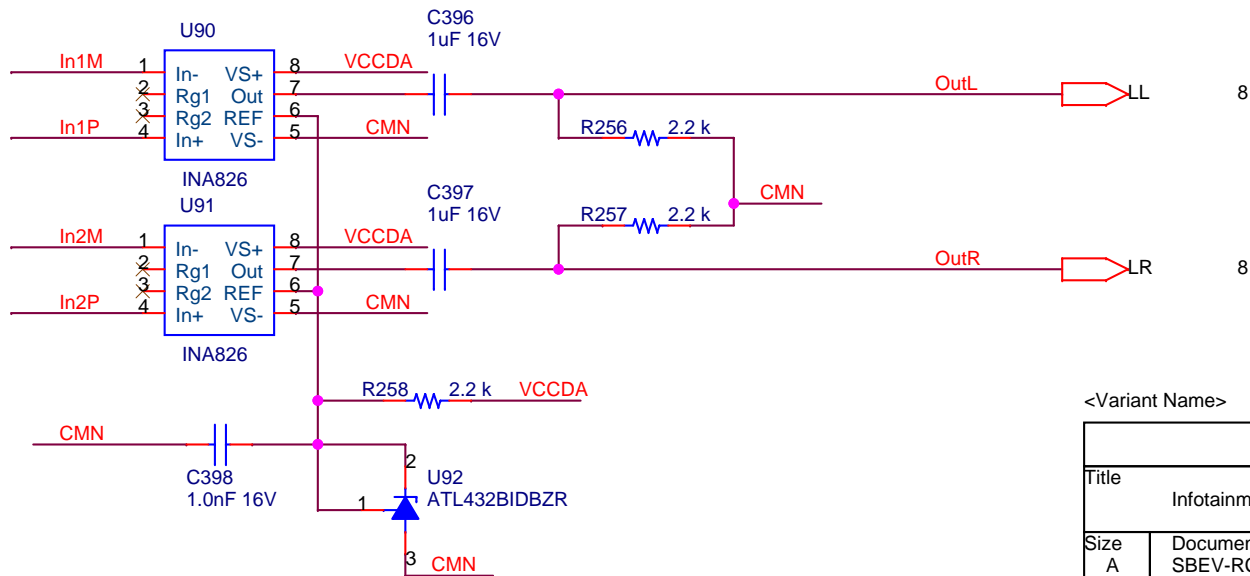
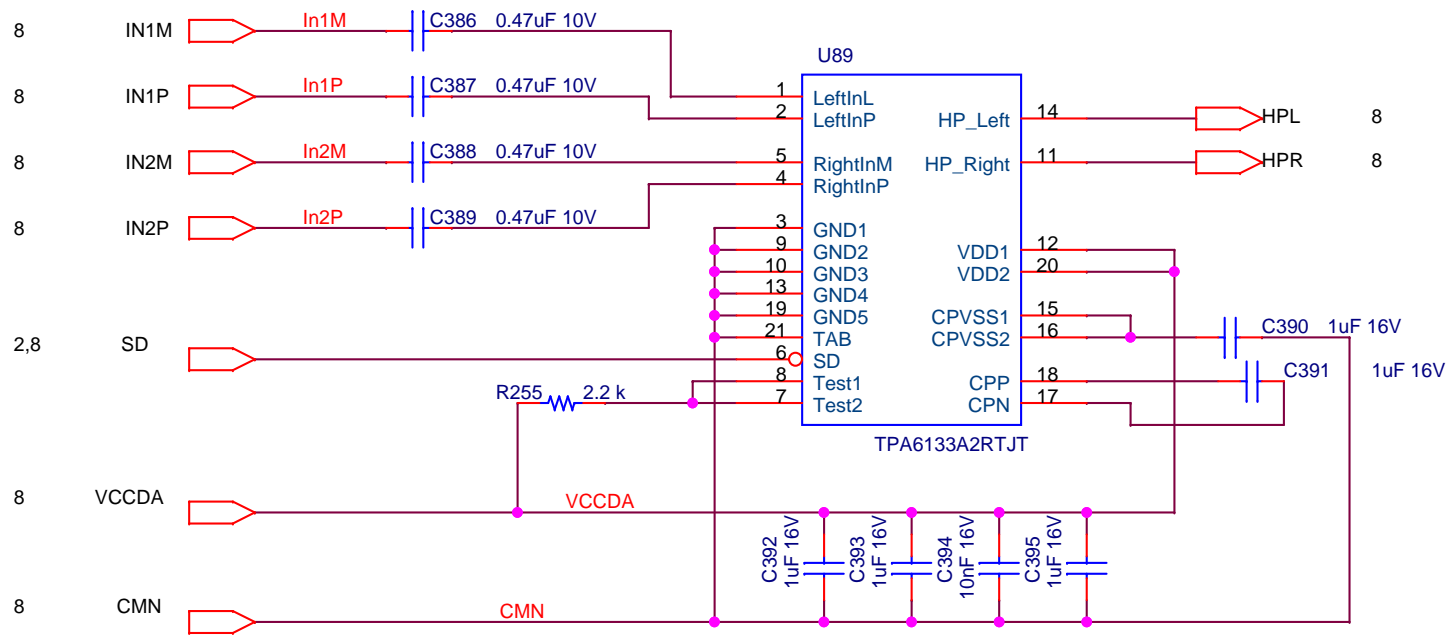
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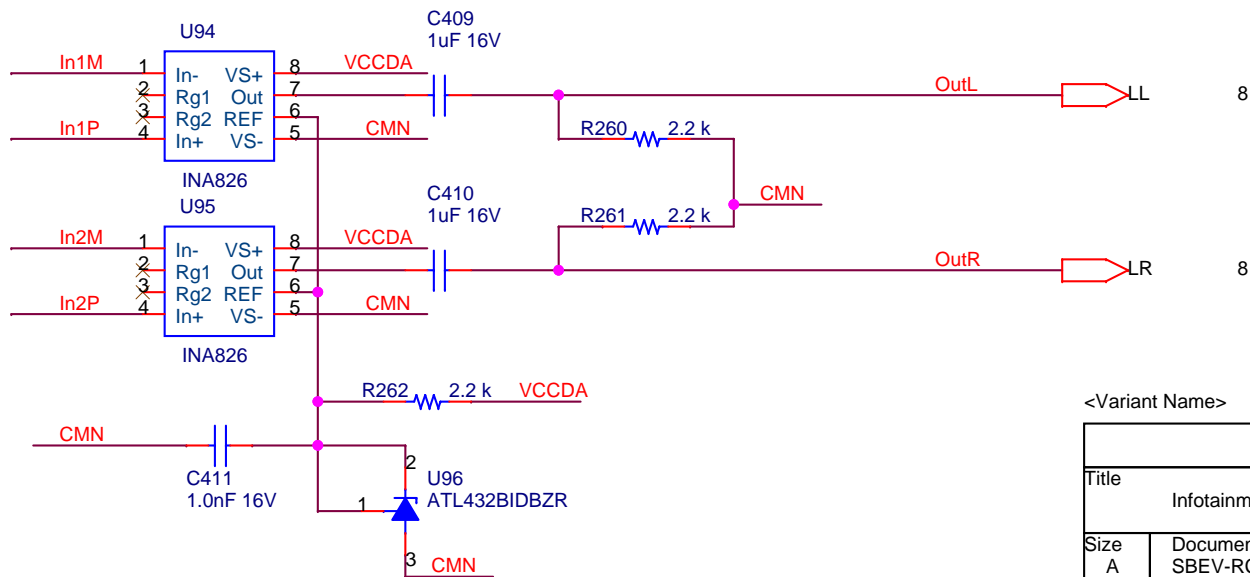
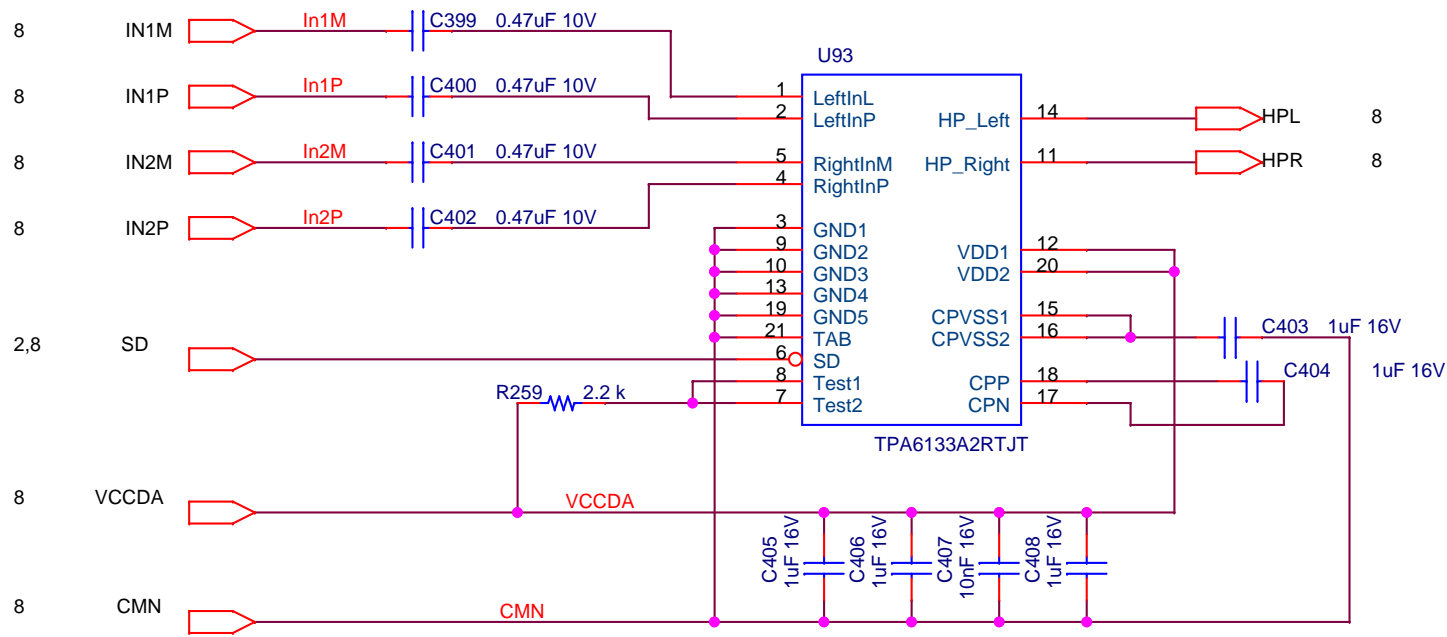


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