

# Preliminary

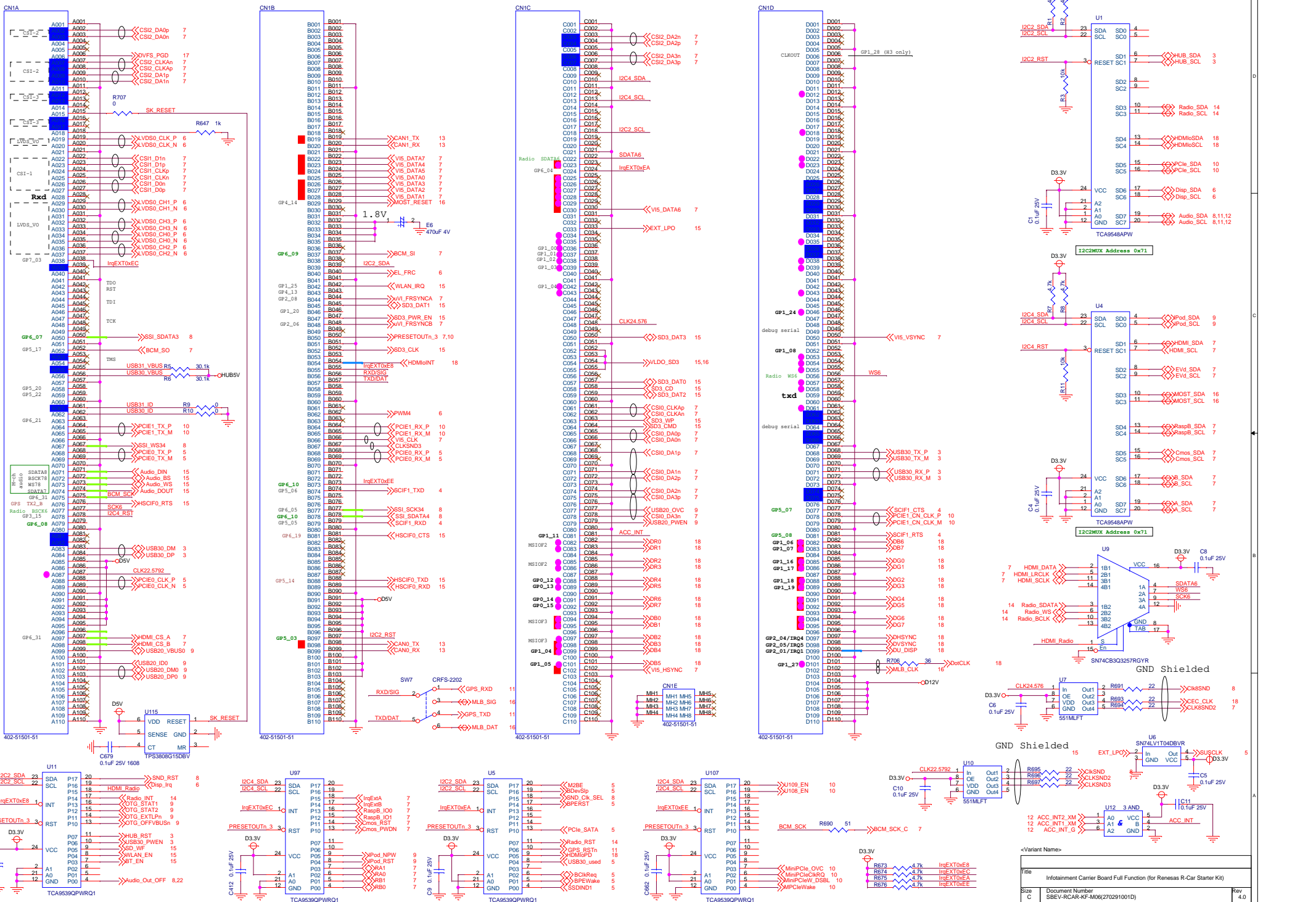
## Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit) for R-CarH3/M3-SiP System Board SBEV-RCAR-KF-M06

- 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>

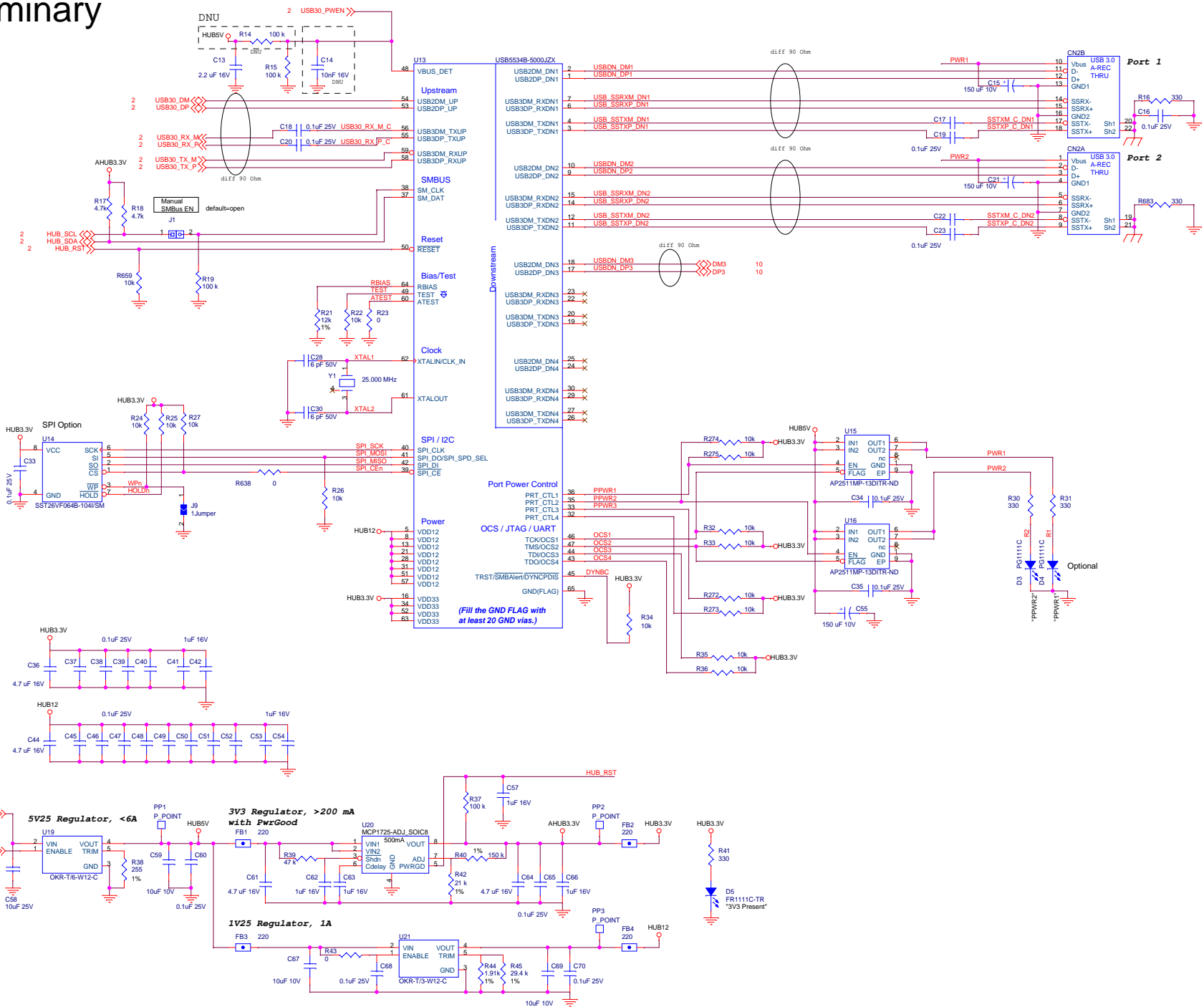
Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M06(270291001D)	4.0
Date:	Tuesday, August 21, 2018	Sheet 1 of 25

# Preliminary



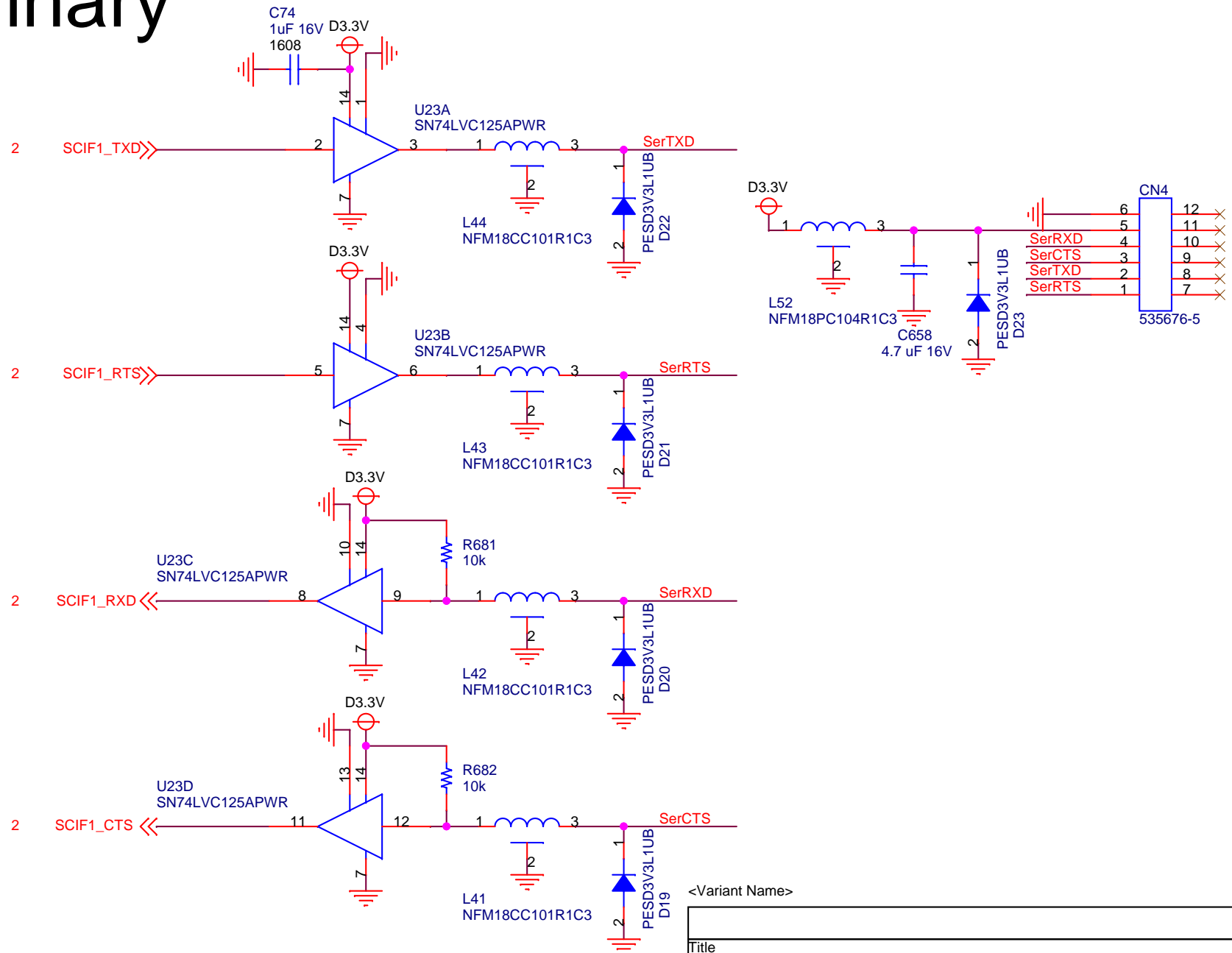
File	Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)			
Size	Document Number	SBEV-RCAR-KF-M06(2/2021001D)	Rev	4.0
C	Date	Tuesday, August 21, 2018	Sheet	2 of 25

# Preliminary



Infolainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size C	Document Number SBEV-RCAR-KF-M06(270291001D)	Rev 4.0
Date:	Tuesday, August 21, 2018	Sheet 3 of 25

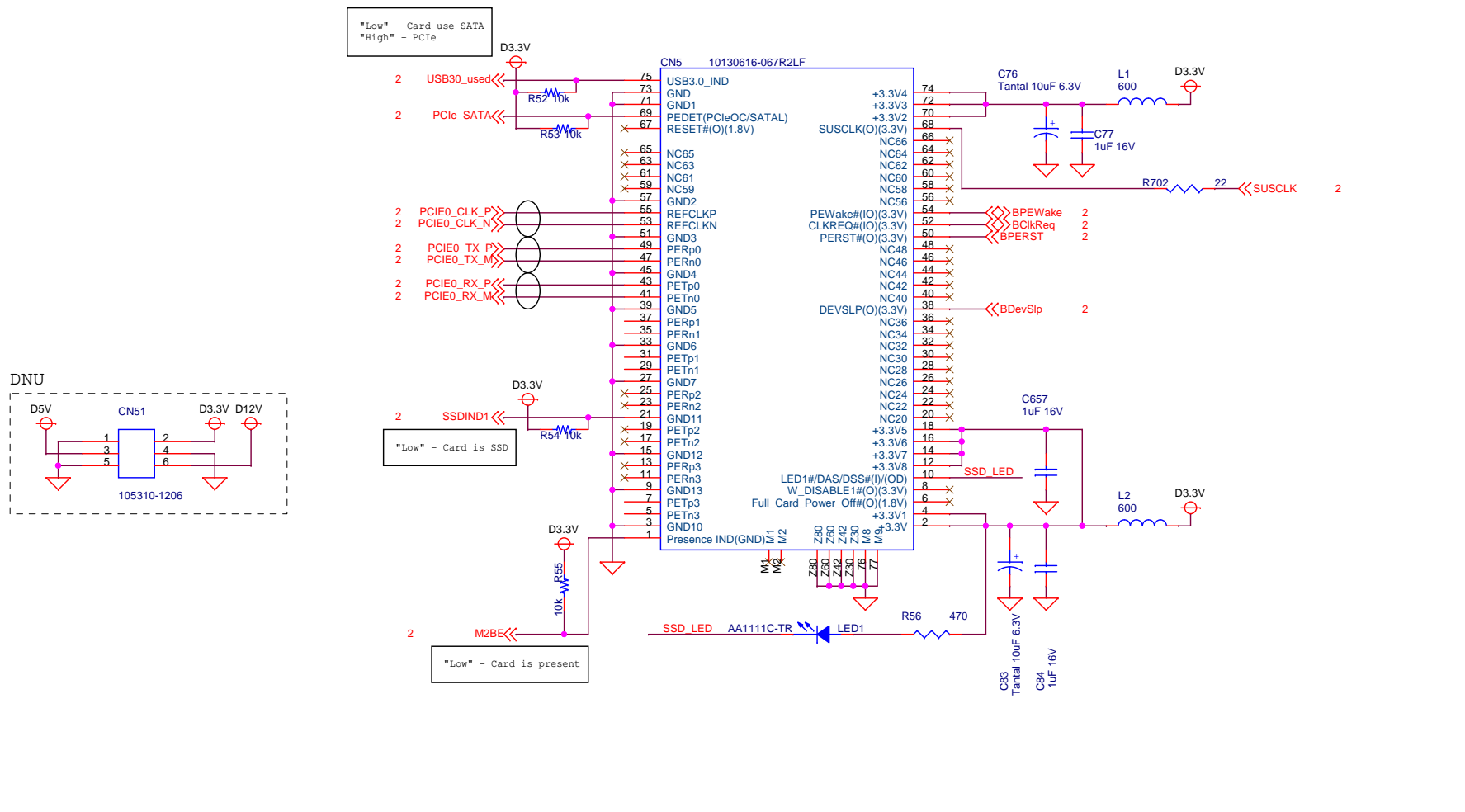
# Preliminary



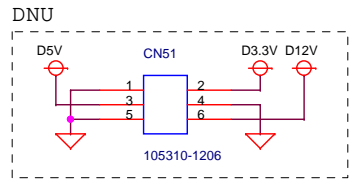
<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M06(270291001D)	4.0
Date:	Tuesday, August 21, 2018	Sheet 4 of 25

# Preliminary

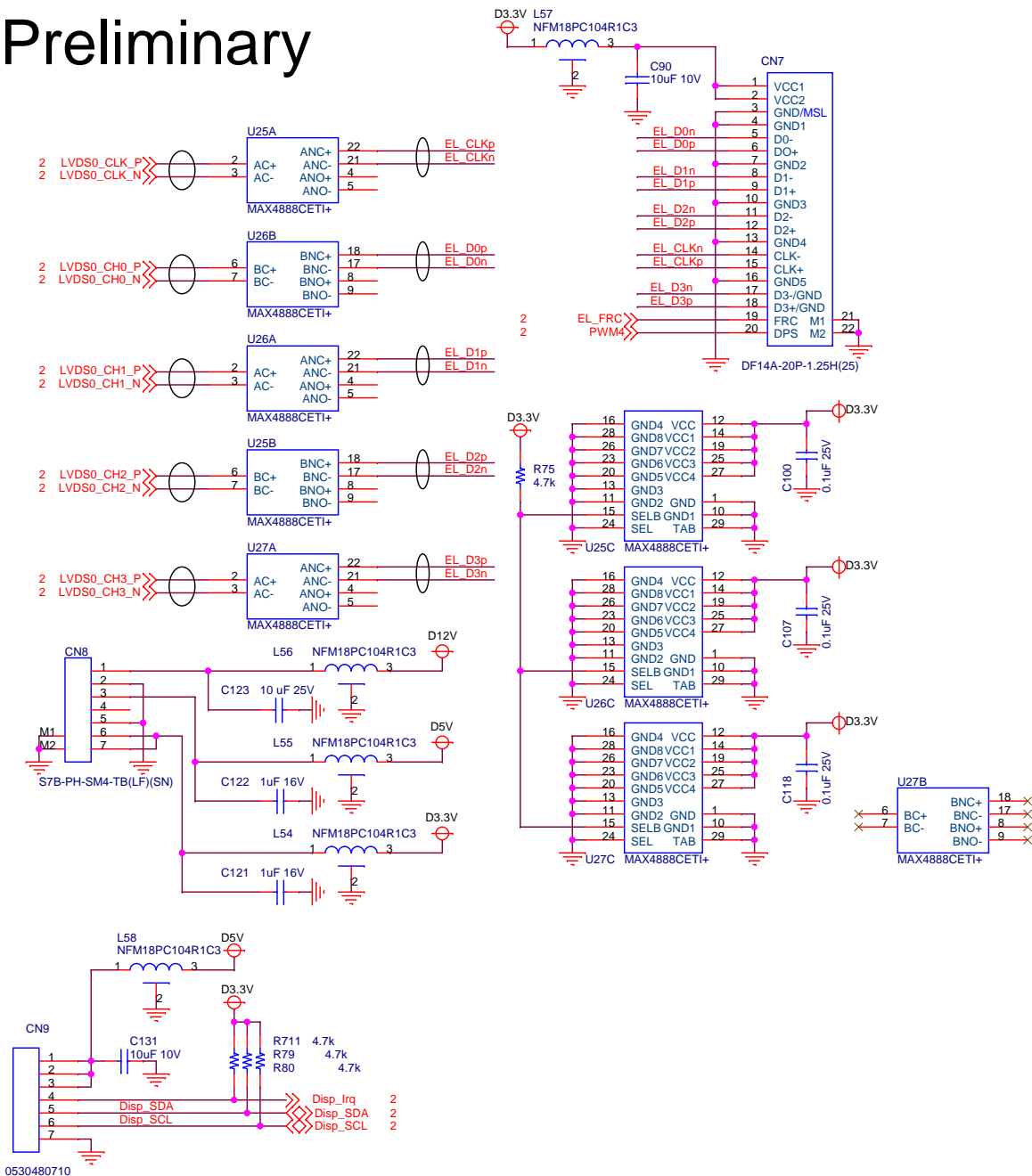


"Low" - Card use SATA  
 "High" - PCIe



<Variant Name>		
Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
B	SBEV-RCAR-KF-M06(270291001D)	4.0
Date:	Tuesday, August 21, 2018	Sheet 5 of 25

# Preliminary

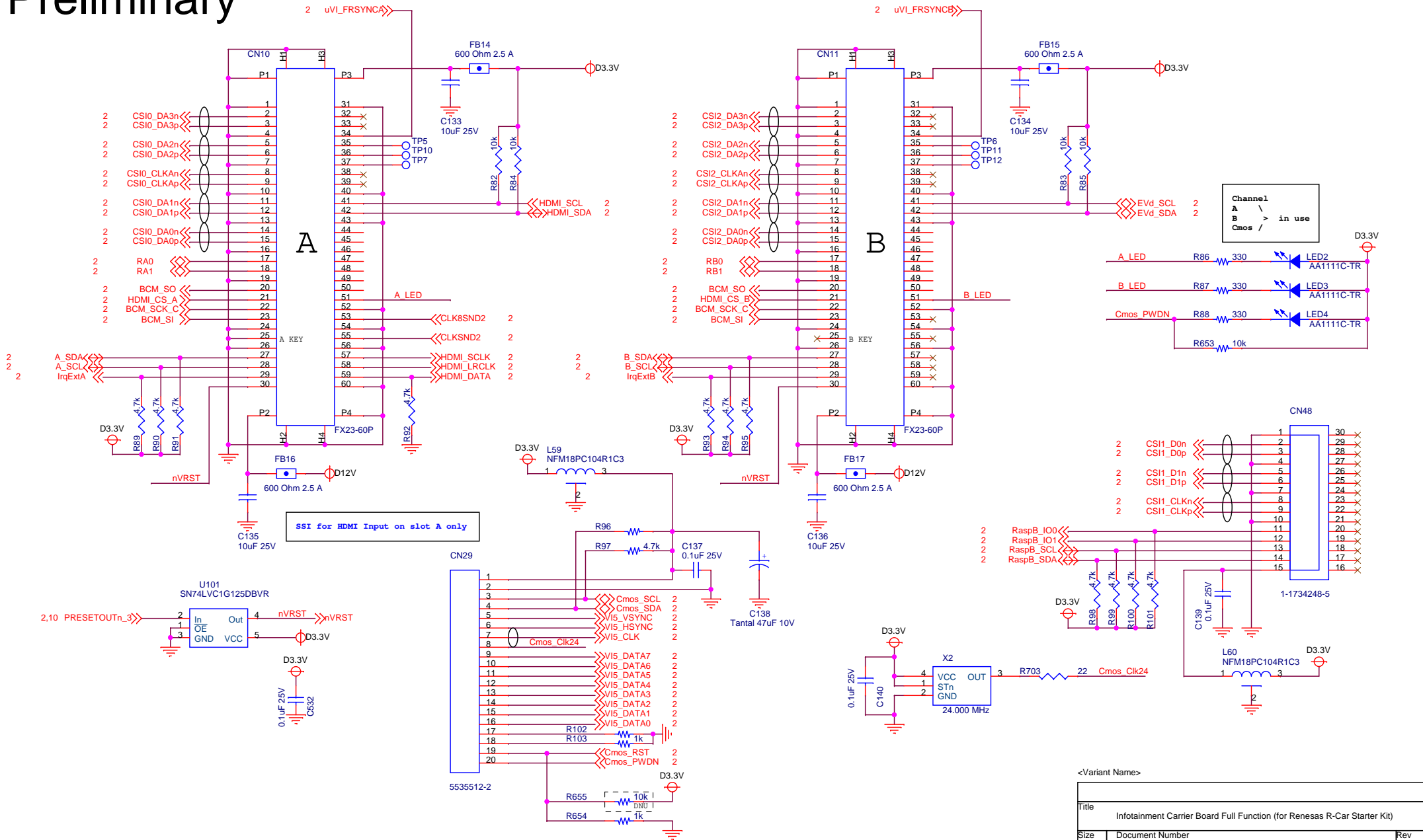


0530480710

<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
B	SBEV-RCAR-KF-M06(270291001D)	4.0
Date:	Tuesday, August 21, 2018	Sheet 6 of 25

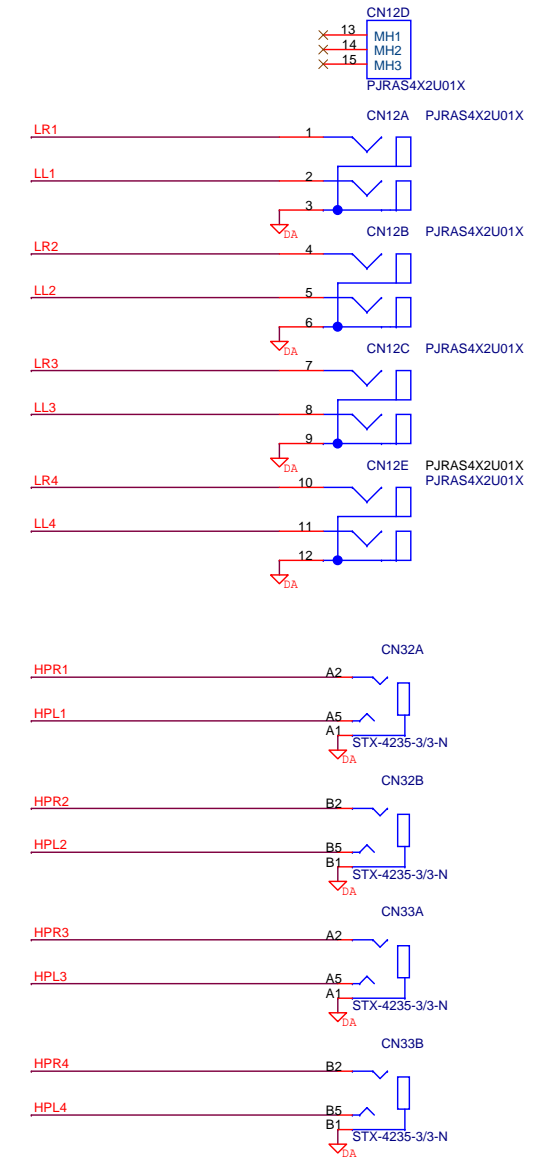
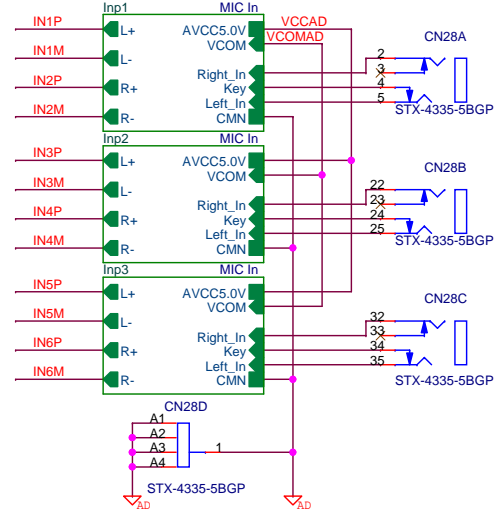
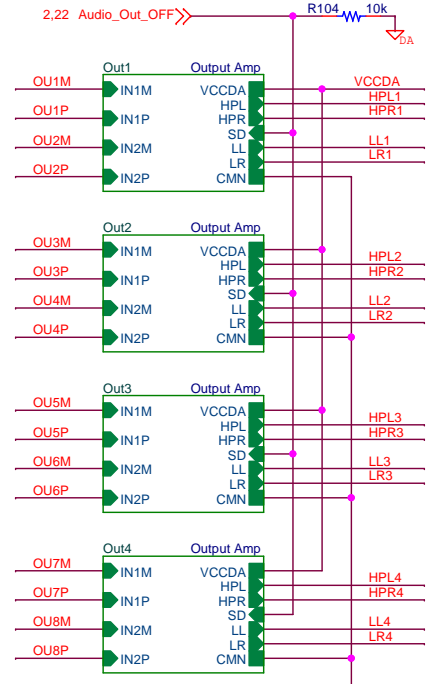
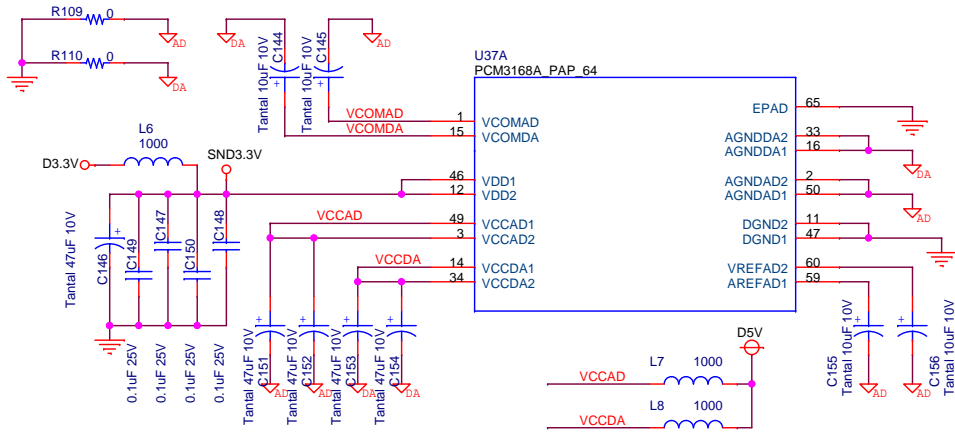
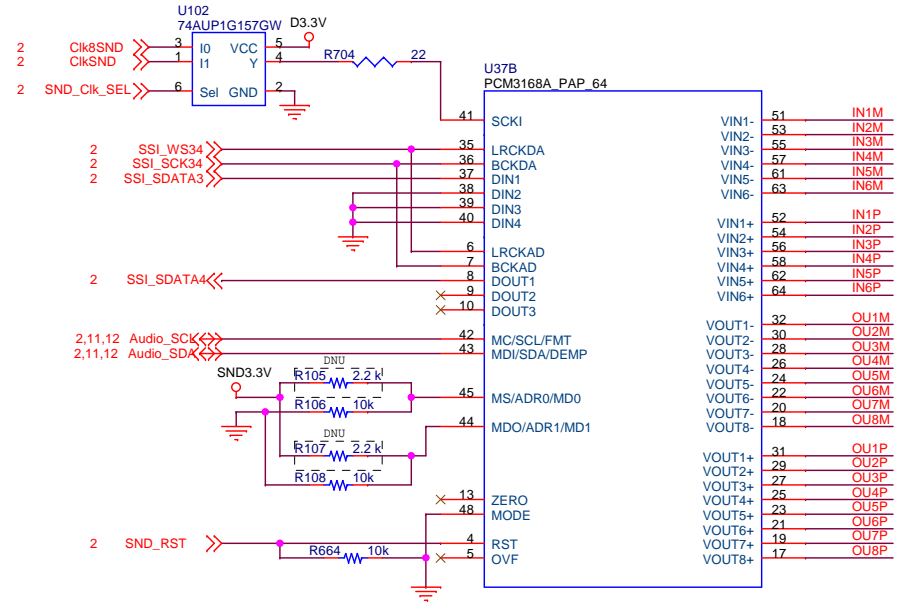
# Preliminary



<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
B	SBEV-RCAR-KF-M06(270291001D)	4.0
Date:	Tuesday, August 21, 2018	Sheet 7 of 25

# Preliminary



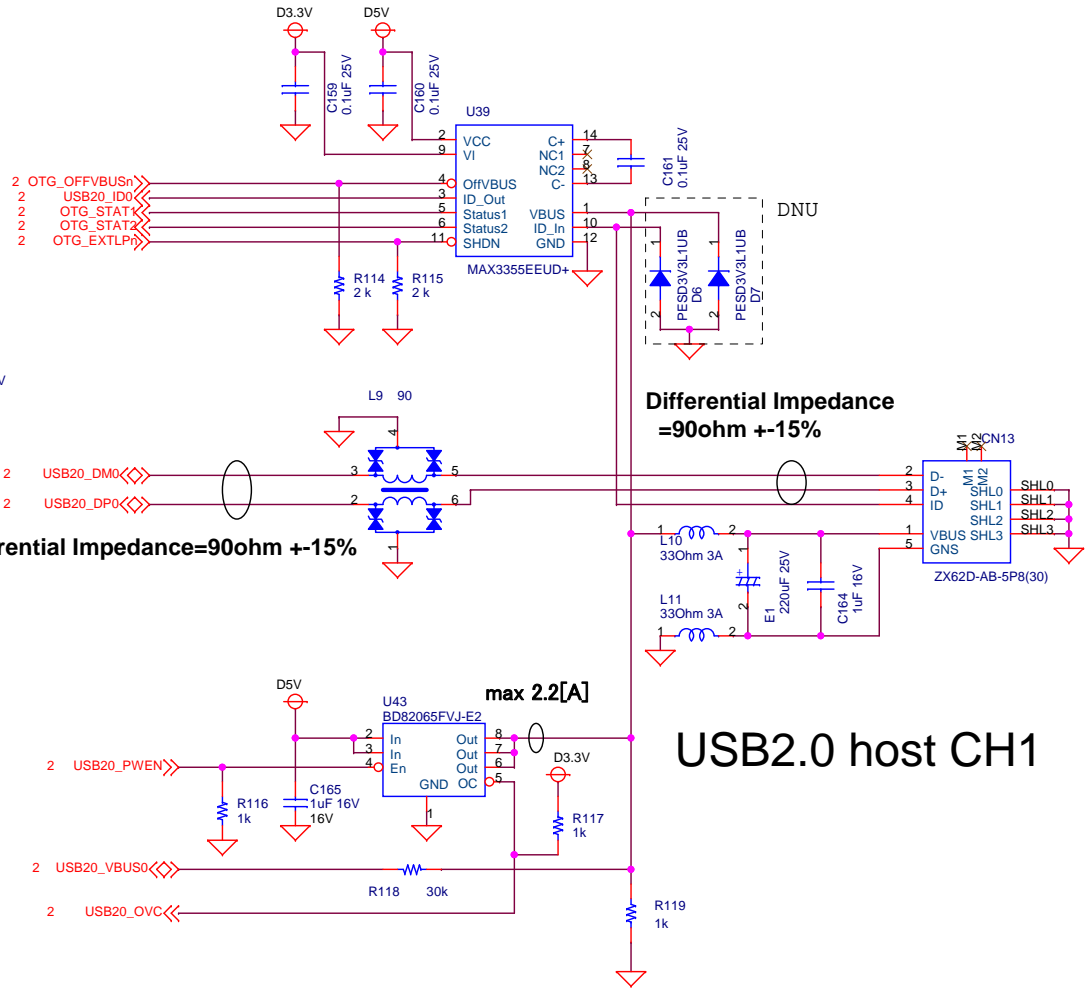
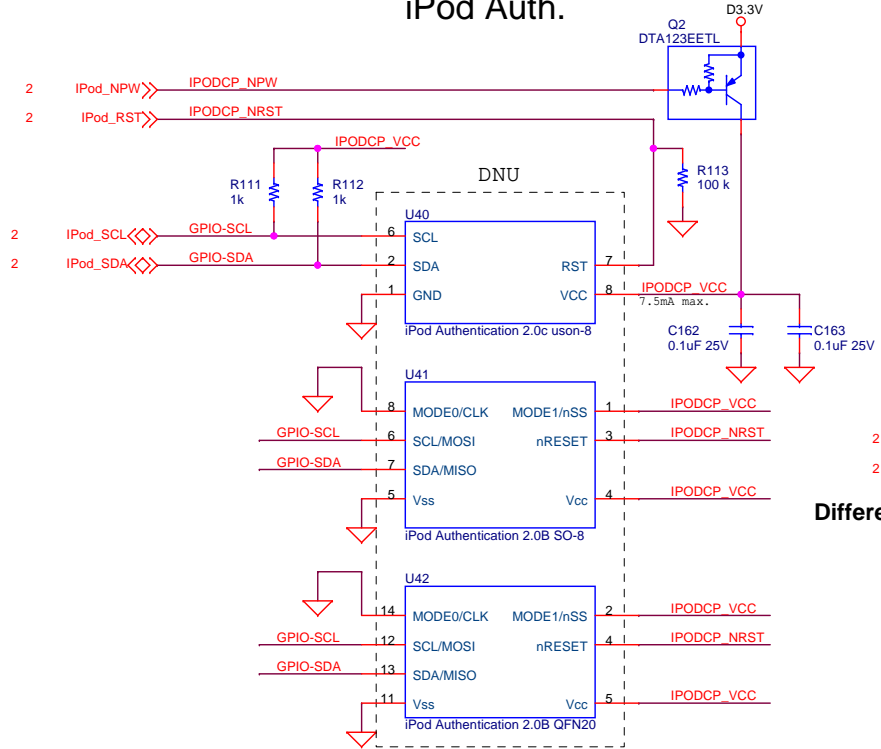
<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
B	SBEV-RCAR-KF-M06(270291001D)	4.0
Date:	Tuesday, August 21, 2018	Sheet 8 of 25



# Preliminary

## iPod Auth.



Differential Impedance=90ohm +-15%

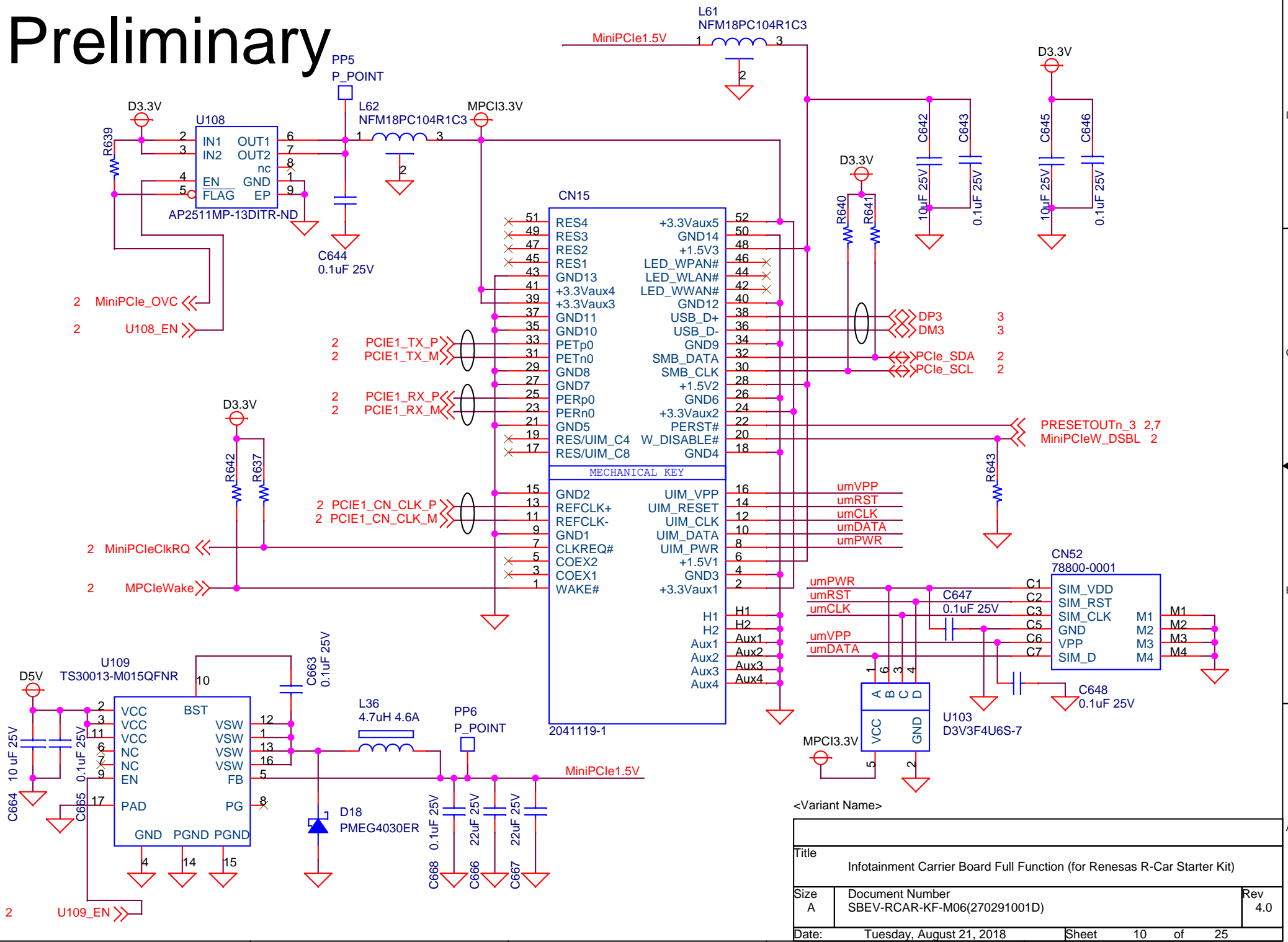
Differential Impedance =90ohm +-15%

USB2.0 host CH1

<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
B	SBEV-RCAR-KF-M06(270291001D)	4.0
Date:	Tuesday, August 21, 2018	Sheet 9 of 25

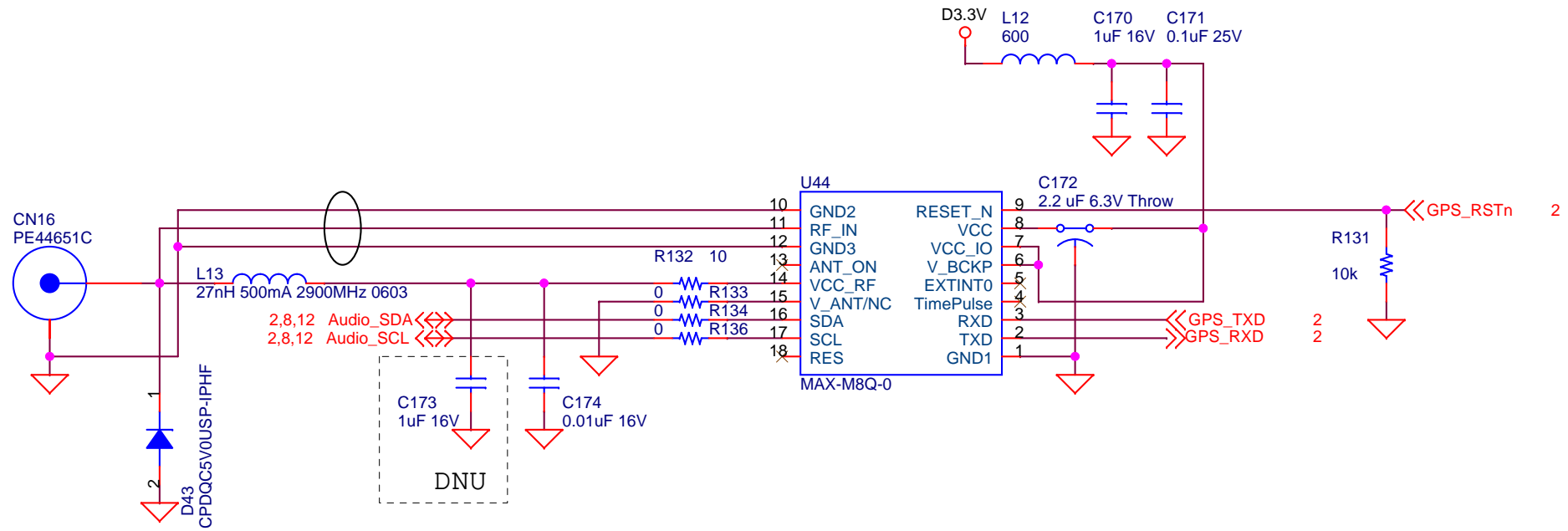
# Preliminary



<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M06(270291001D)	4.0
Date:	Tuesday, August 21, 2018	Sheet 10 of 25

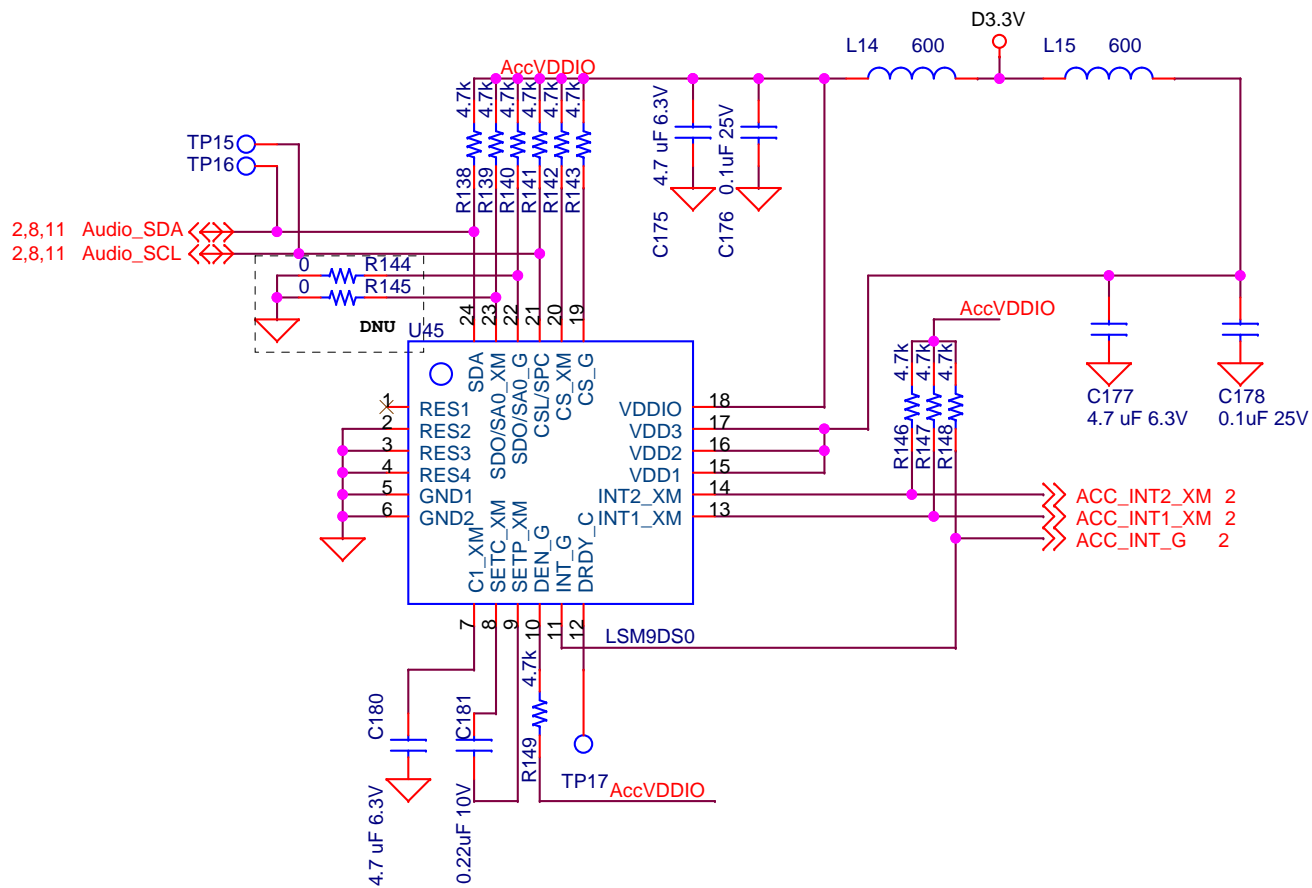
# Preliminary



<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M06(270291001D)	4.0
Date:	Tuesday, August 21, 2018	Sheet 11 of 25

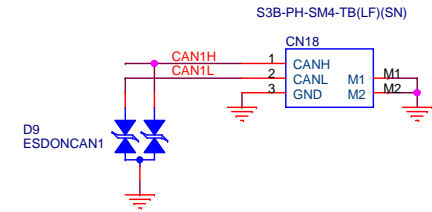
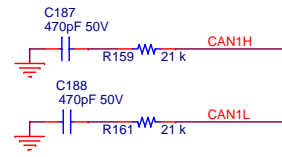
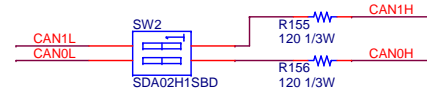
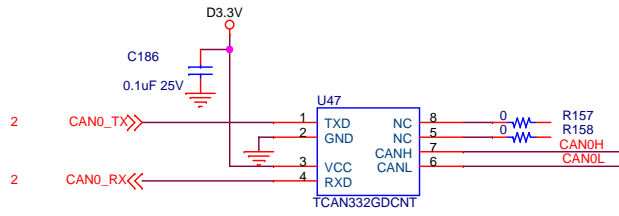
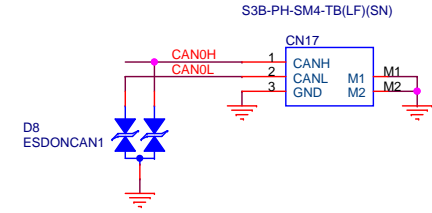
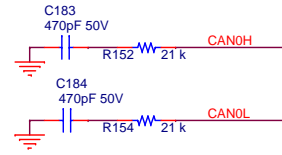
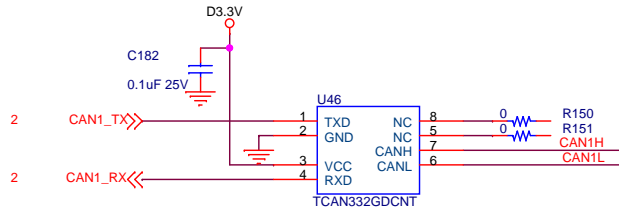
# Preliminary



<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M06(270291001D)	4.0
Date:	Tuesday, August 21, 2018	Sheet 12 of 25

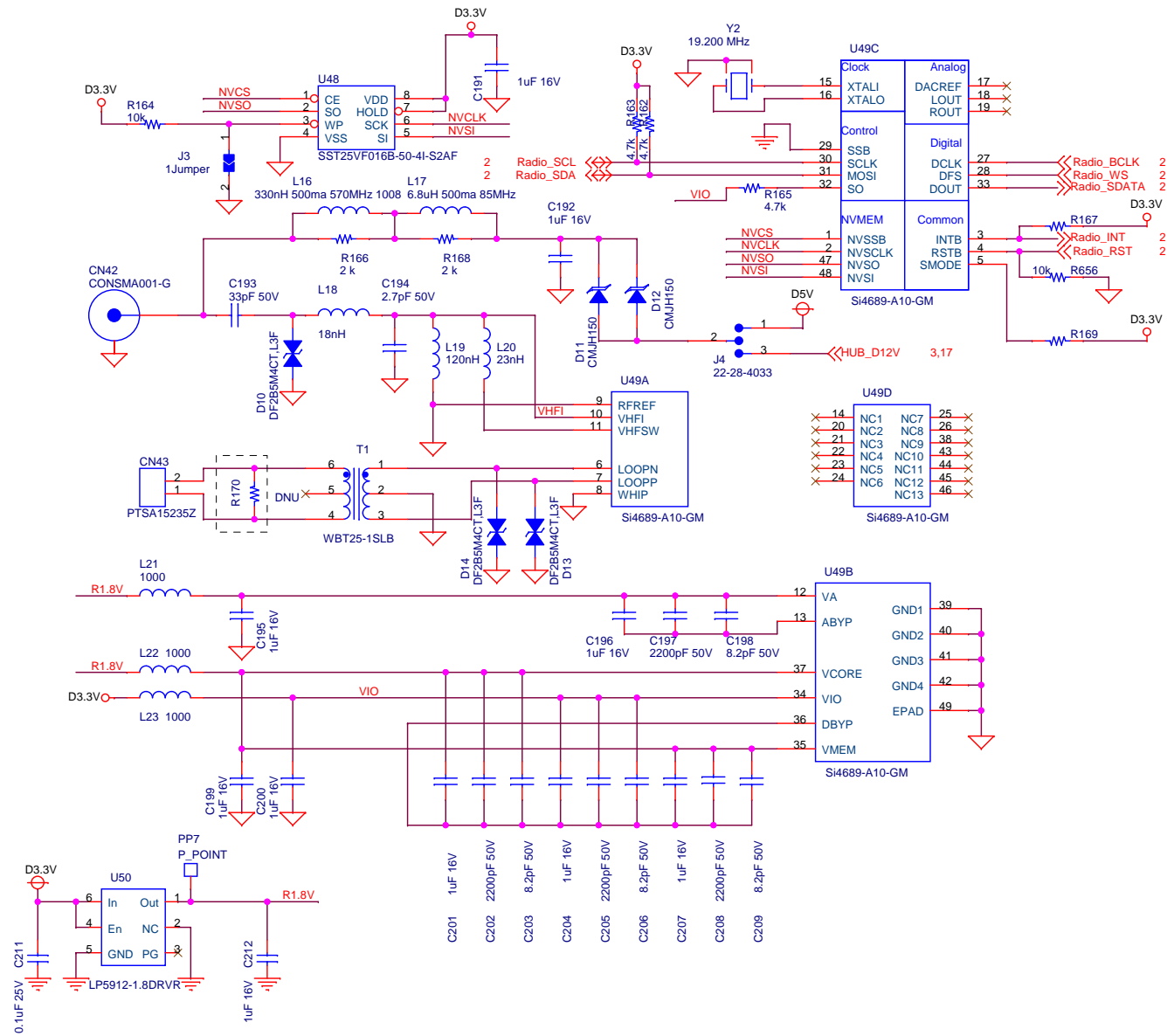
# Preliminary



<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
B	SBEV-RCAR-KF-M06(270291001D)	4.0
Date:	Tuesday, August 21, 2018	Sheet 13 of 25

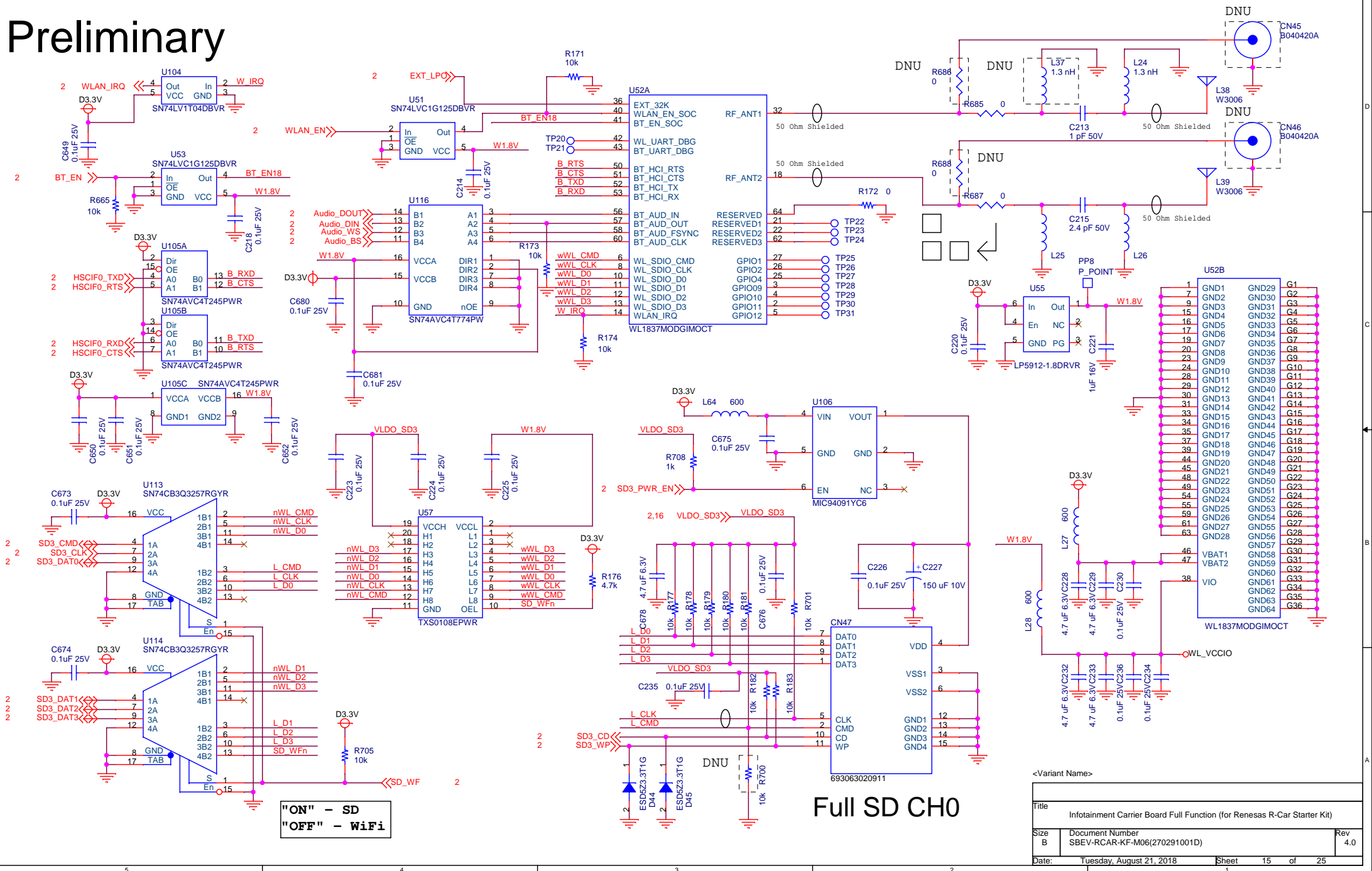
# Preliminary



<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
B	SBEV-RCAR-KF-M06(270291001D)	4.0
Date:	Tuesday, August 21, 2018	Sheet 14 of 25

# Preliminary



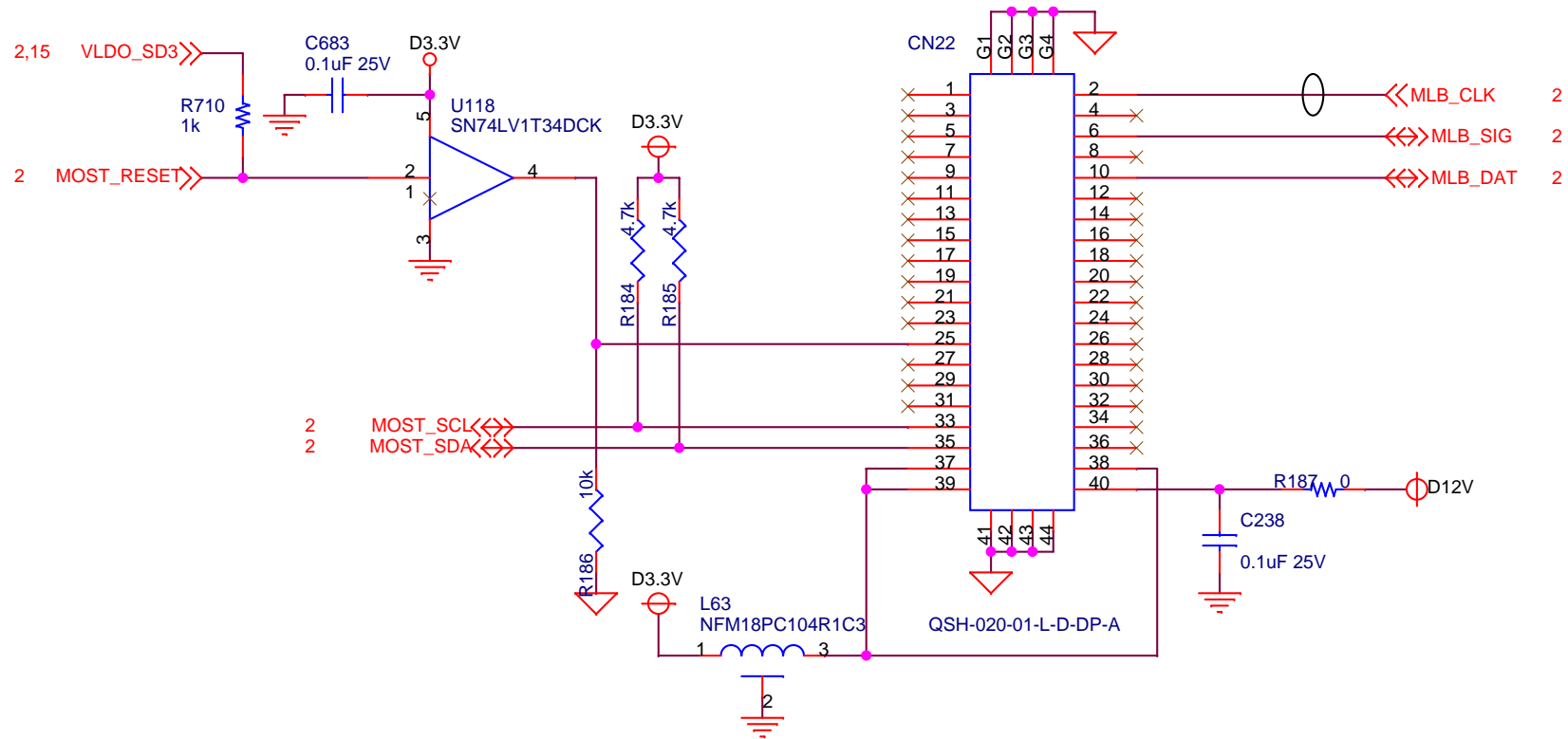
"ON" - SD  
"OFF" - Wi-Fi

## Full SD CH0

<Variant Name>

Title	Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	SBEV-RCAR-KF-M06(270291001D)	Rev
Date:	Tuesday, August 21, 2018	Sheet	15 of 25

# Preliminary

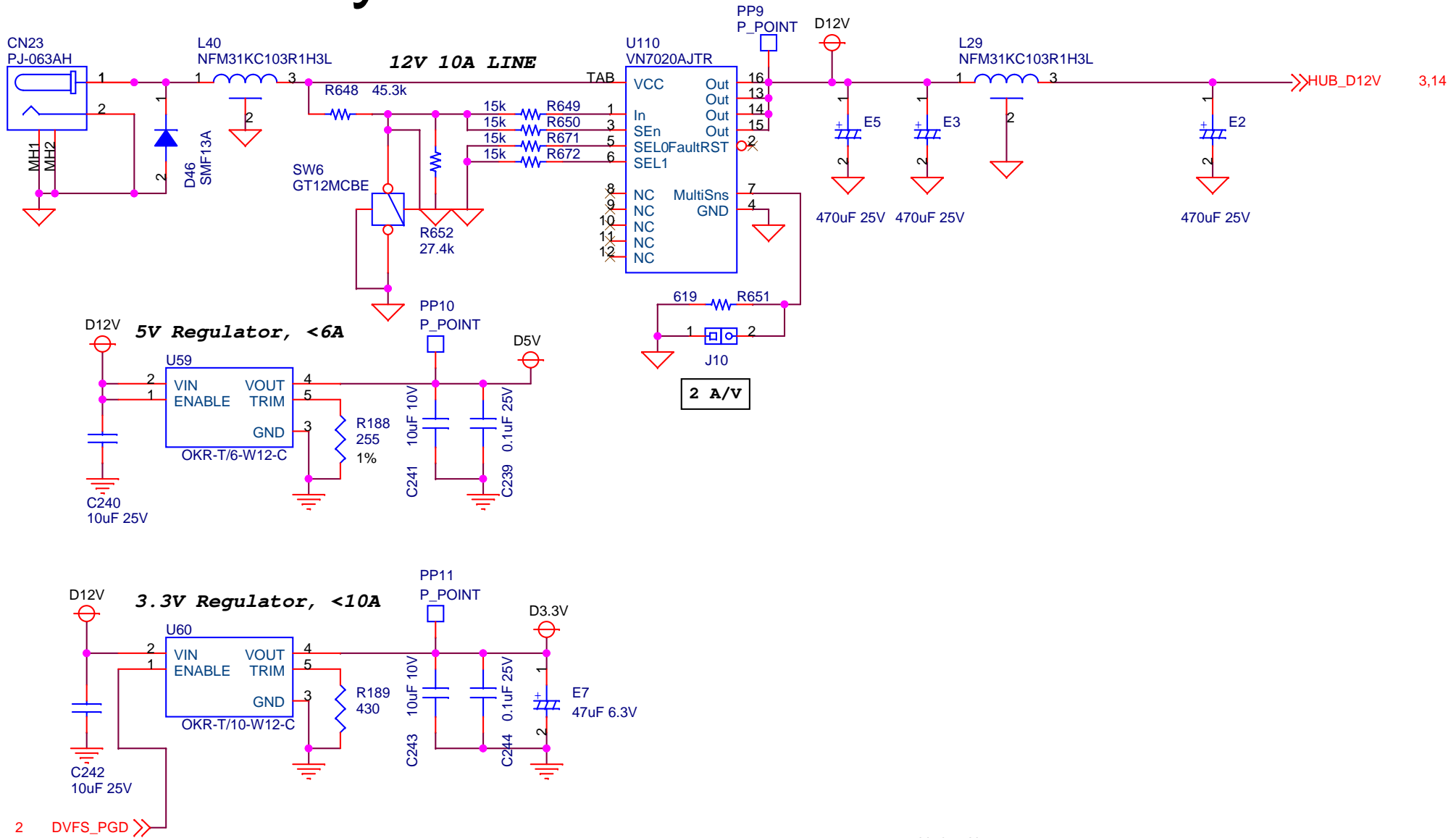


<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M06(270291001D)	4.0
Date:	Tuesday, August 21, 2018	Sheet 16 of 25

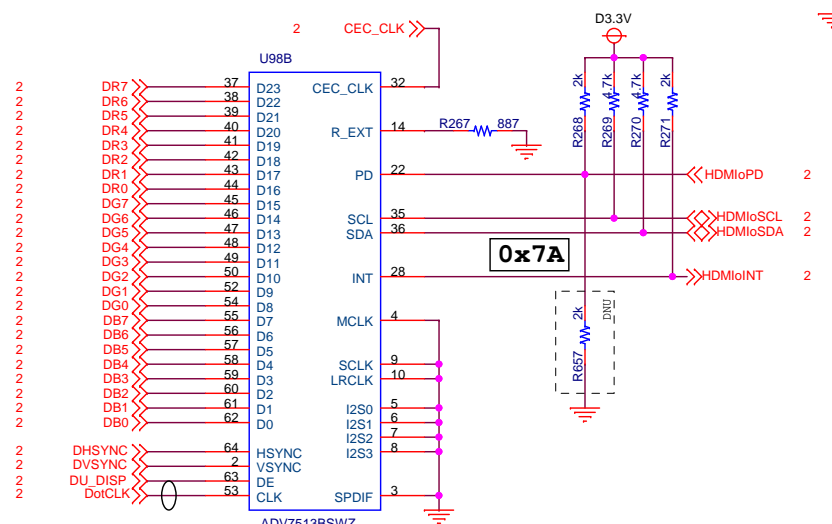
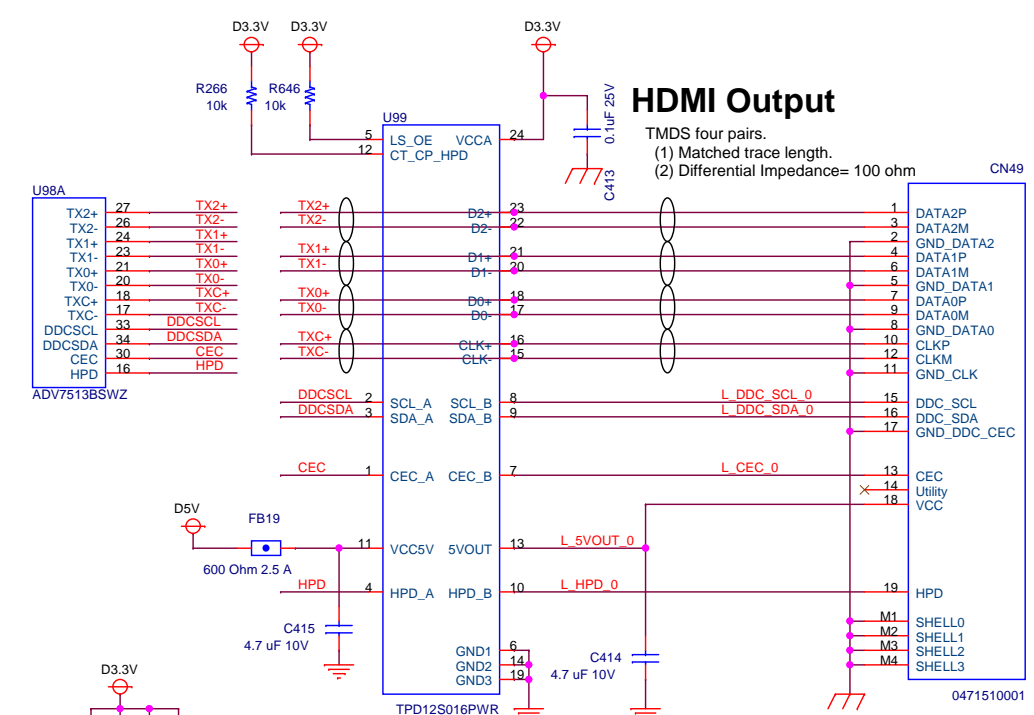
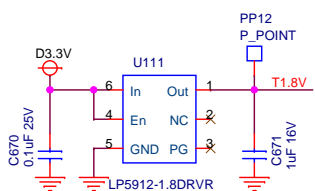
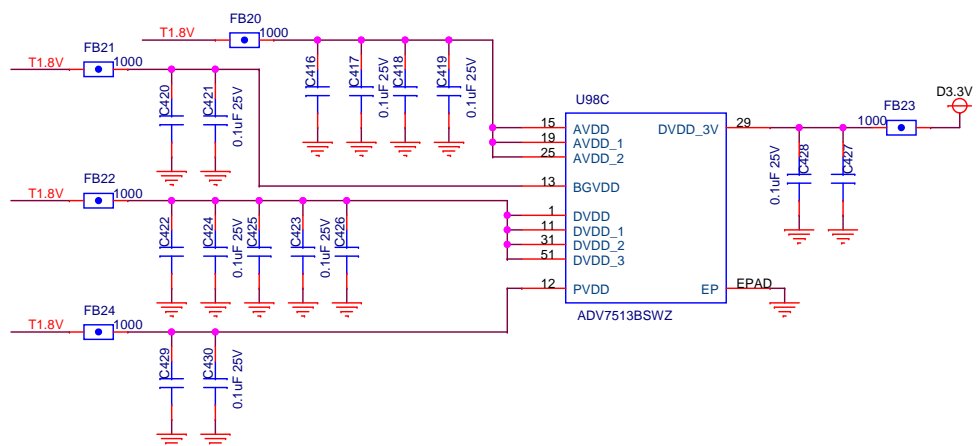


# Preliminary



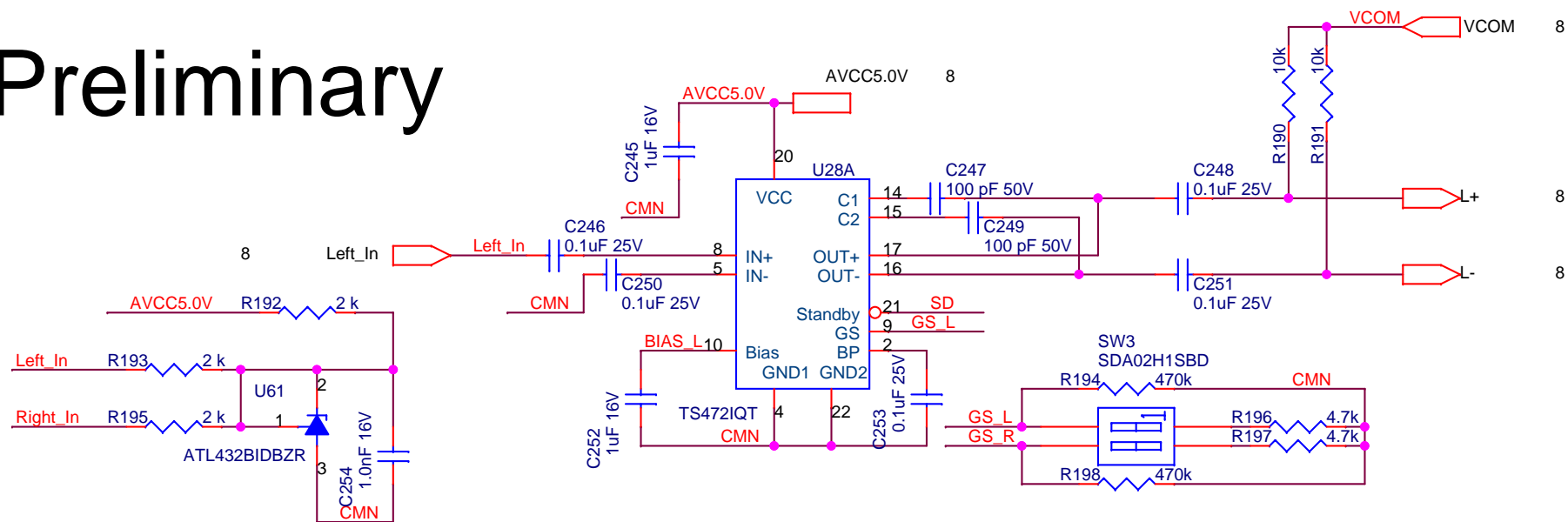
<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M06(270291001D)	4.0
Date:	Tuesday, August 21, 2018	Sheet 17 of 25

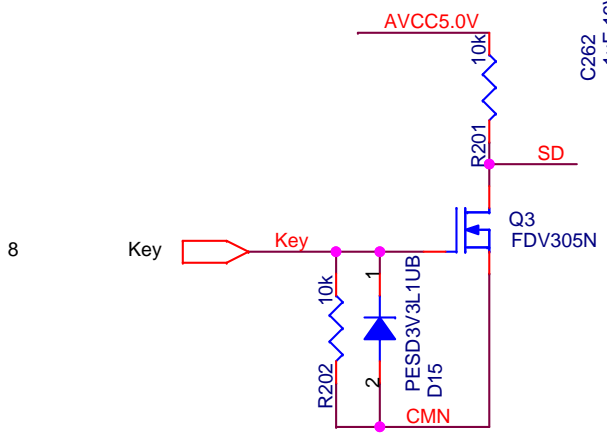
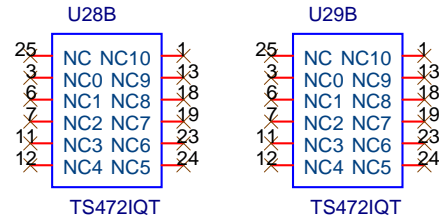
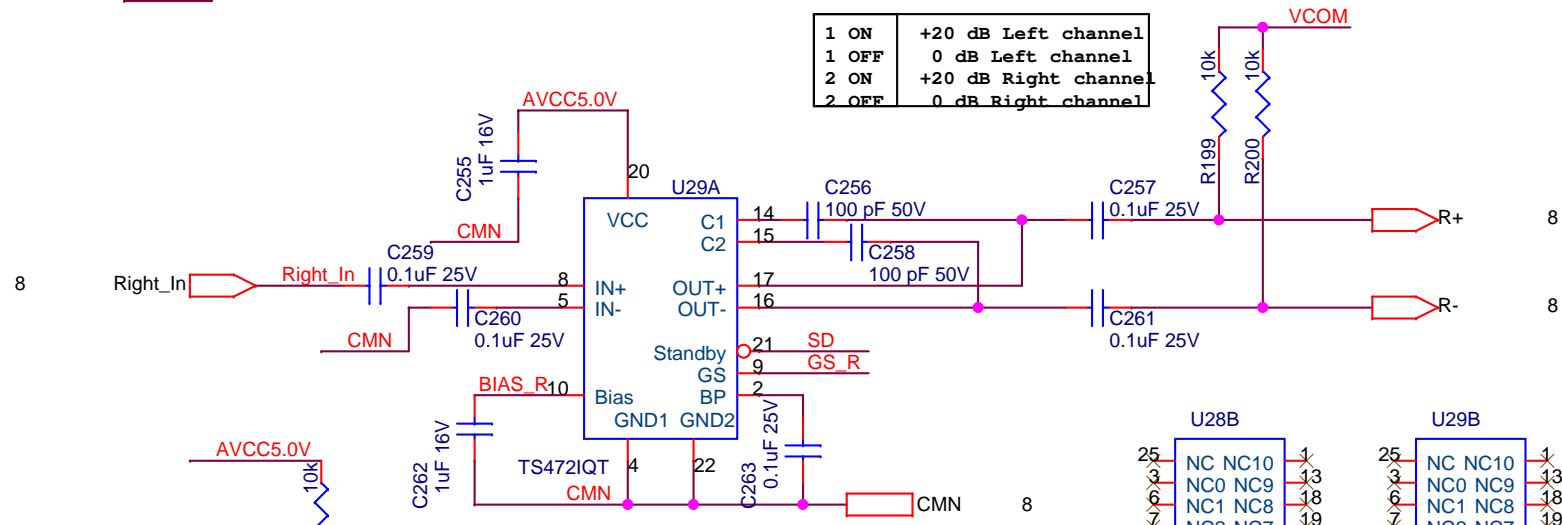


<Variant Name>		
Title Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size B	Document Number SBEV-RCAR-KF-M06(270291001D)	Rev 4.0
Date:	Tuesday, August 21, 2018	Sheet 18 of 25

# Preliminary

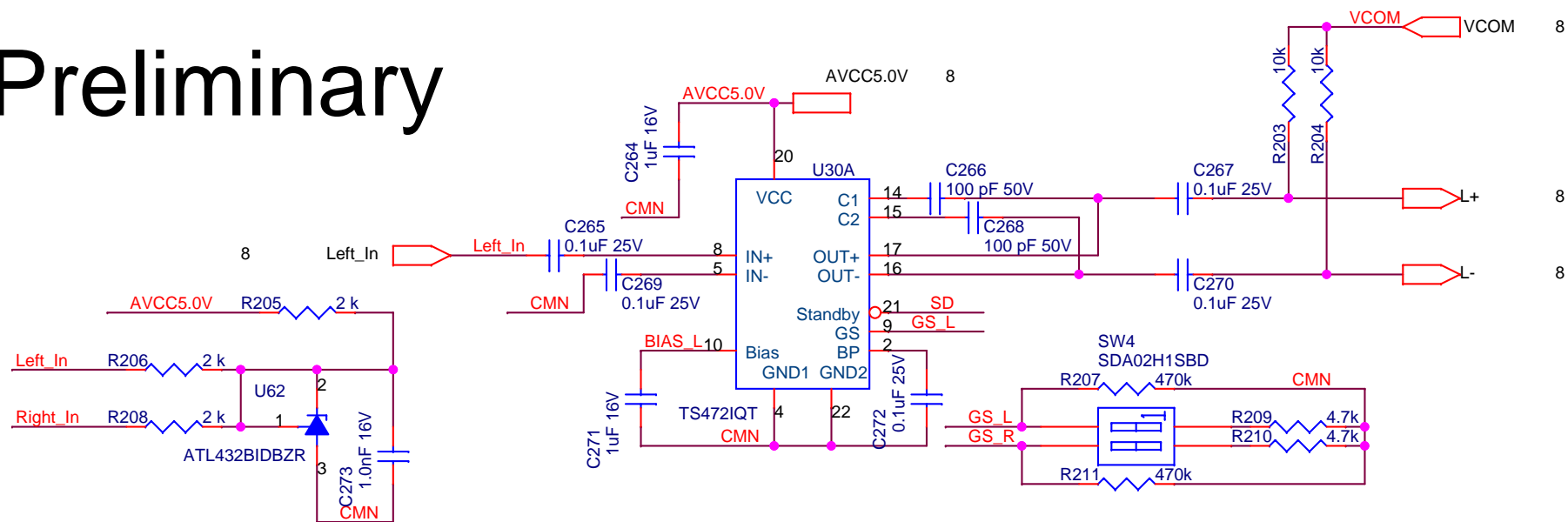


1 ON	+20 dB Left channel
1 OFF	0 dB Left channel
2 ON	+20 dB Right channel
2 OFF	0 dB Right channel

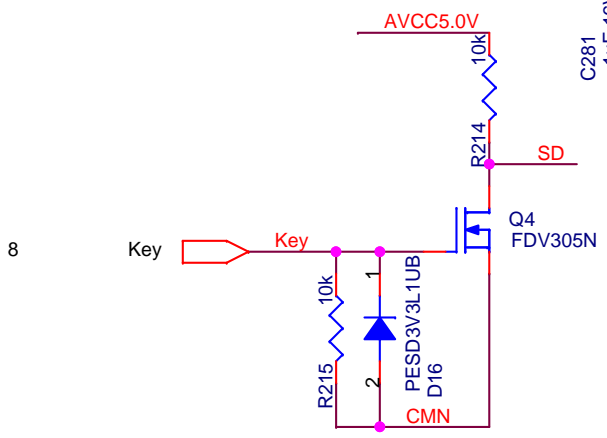
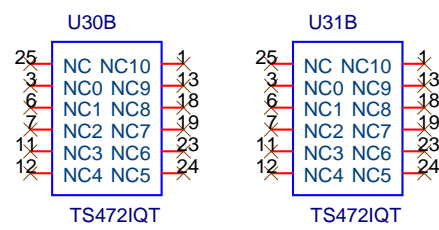
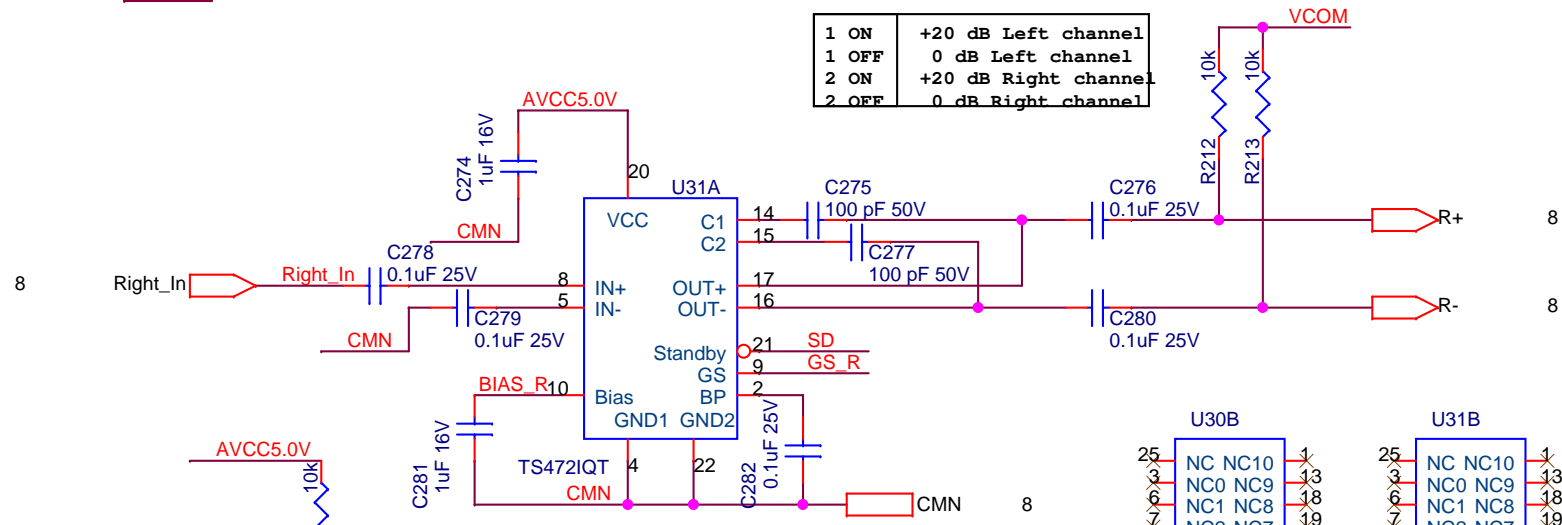


<Variant Name>		
Title Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size A	Document Number SBEV-RCAR-KF-M06(270291001D)	Rev 4.0
Date:	Tuesday, July 03, 2018	Sheet 19 of 25

# Preliminary

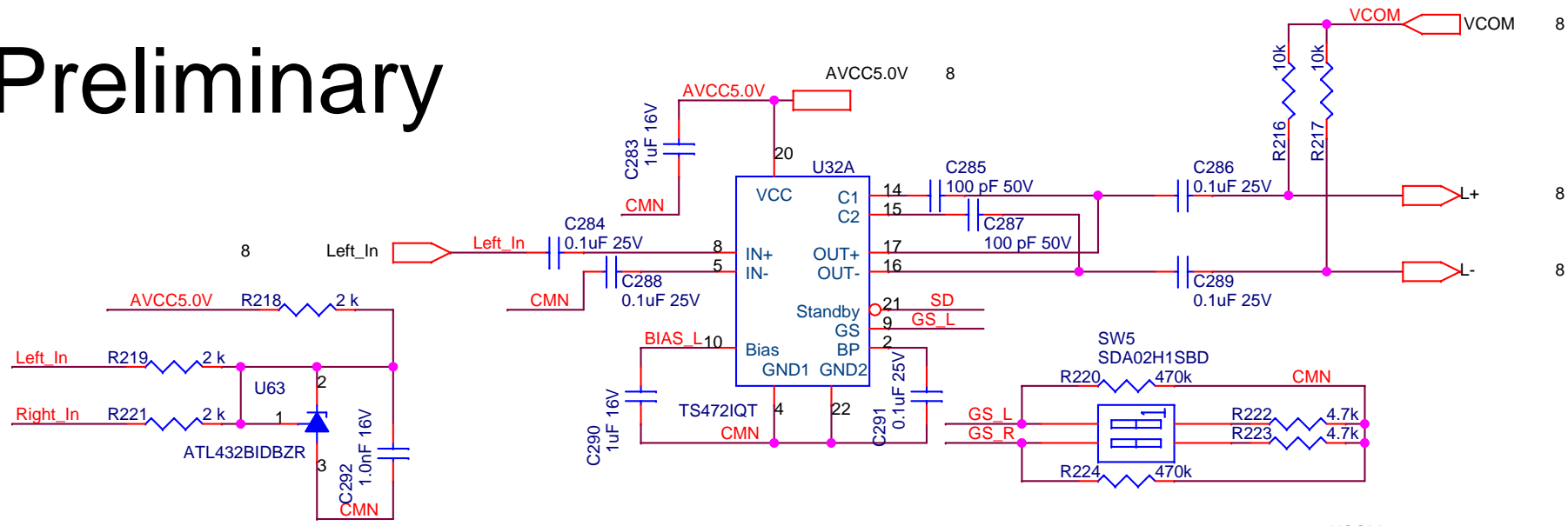


1 ON	+20 dB Left channel
1 OFF	0 dB Left channel
2 ON	+20 dB Right channel
2 OFF	0 dB Right channel

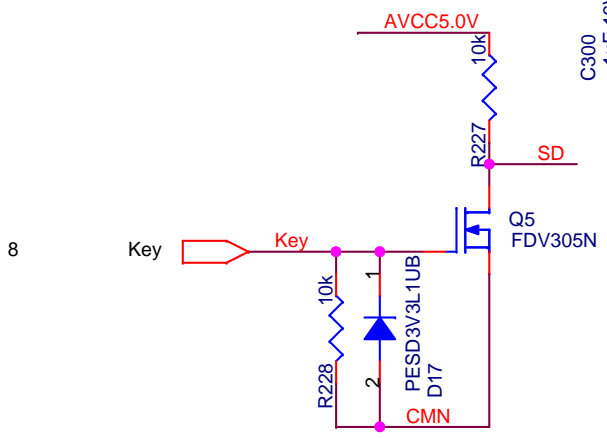
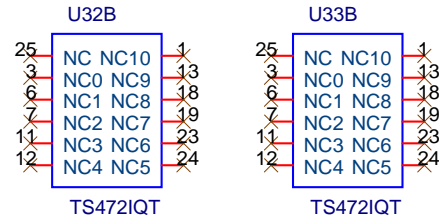
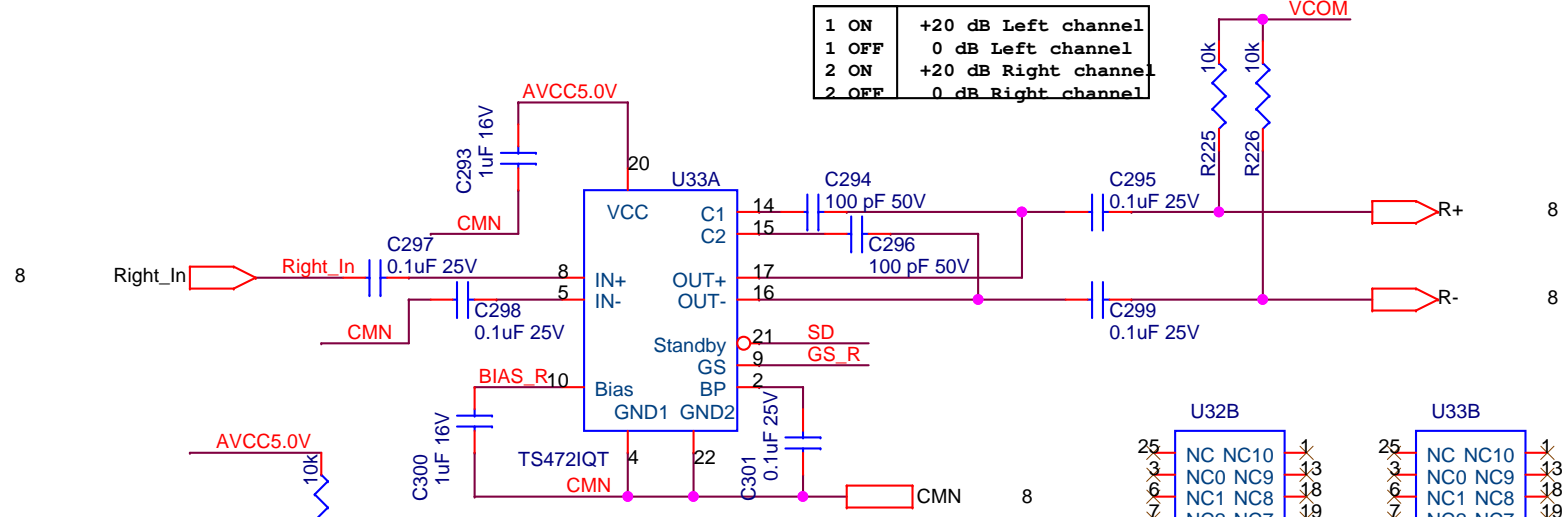


<Variant Name>		
Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M06(270291001D)	4.0
Date:	Tuesday, July 03, 2018	Sheet 20 of 25

# Preliminary

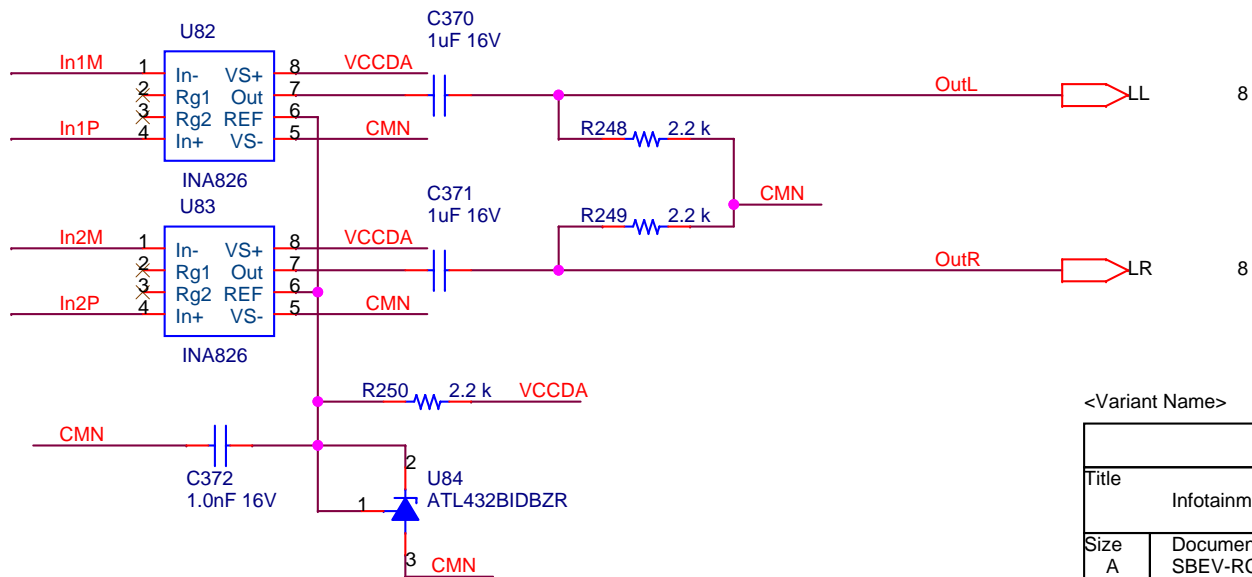
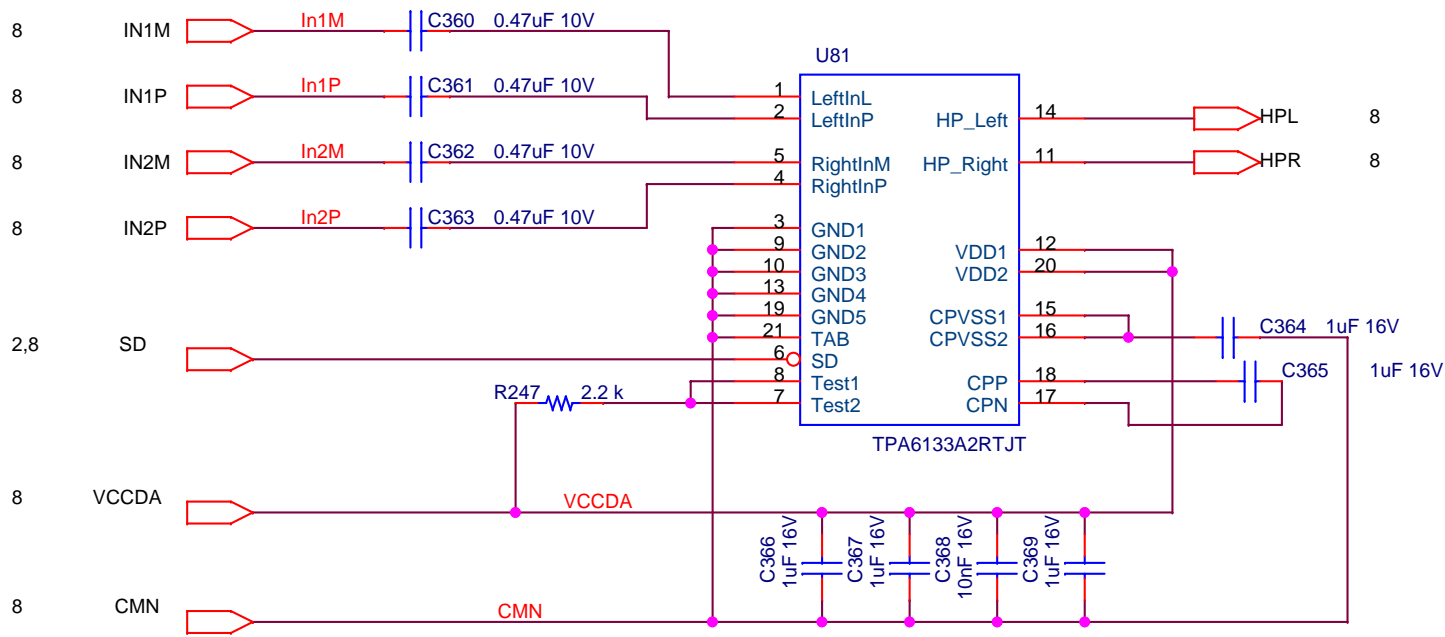


1 ON	+20 dB Left channel
1 OFF	0 dB Left channel
2 ON	+20 dB Right channel
2 OFF	0 dB Right channel



<Variant Name>		
Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M06(270291001D)	4.0
Date:	Tuesday, July 03, 2018	Sheet 21 of 25

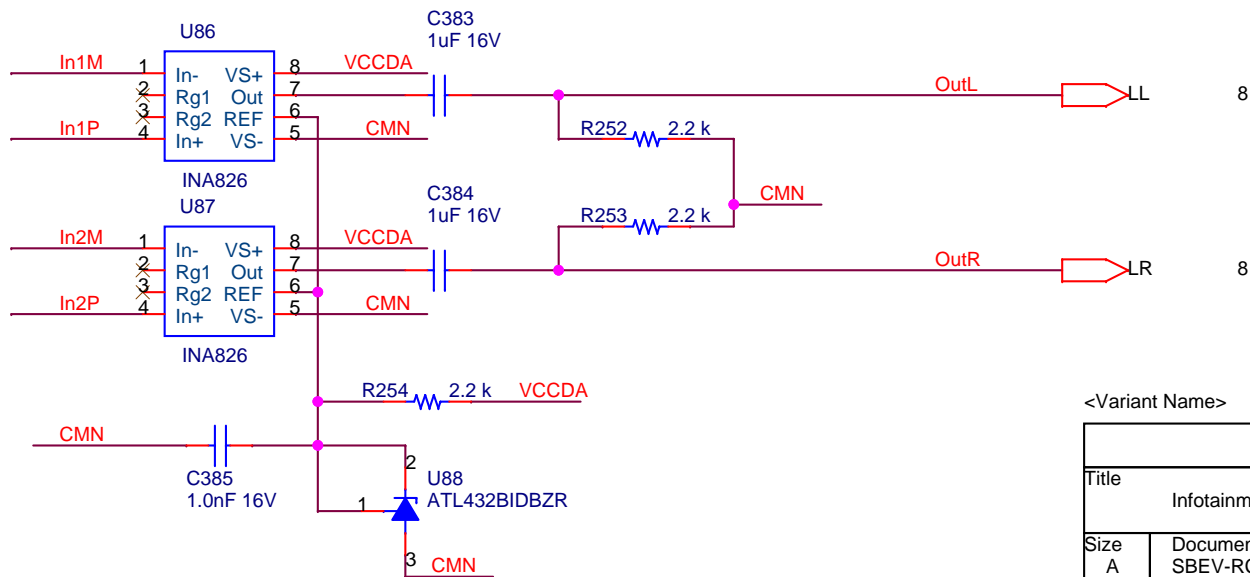
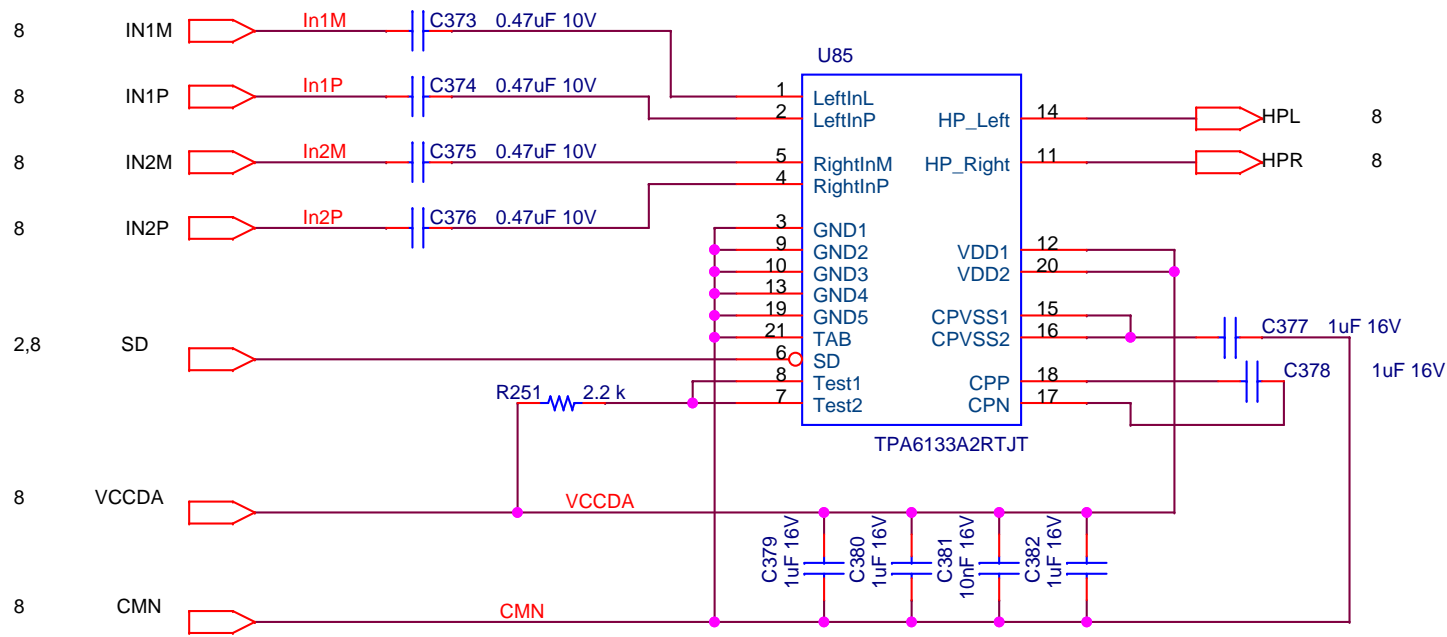
# Preliminary



<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M06(270291001D)	4.0
Date:	Tuesday, July 03, 2018	Sheet 22 of 25

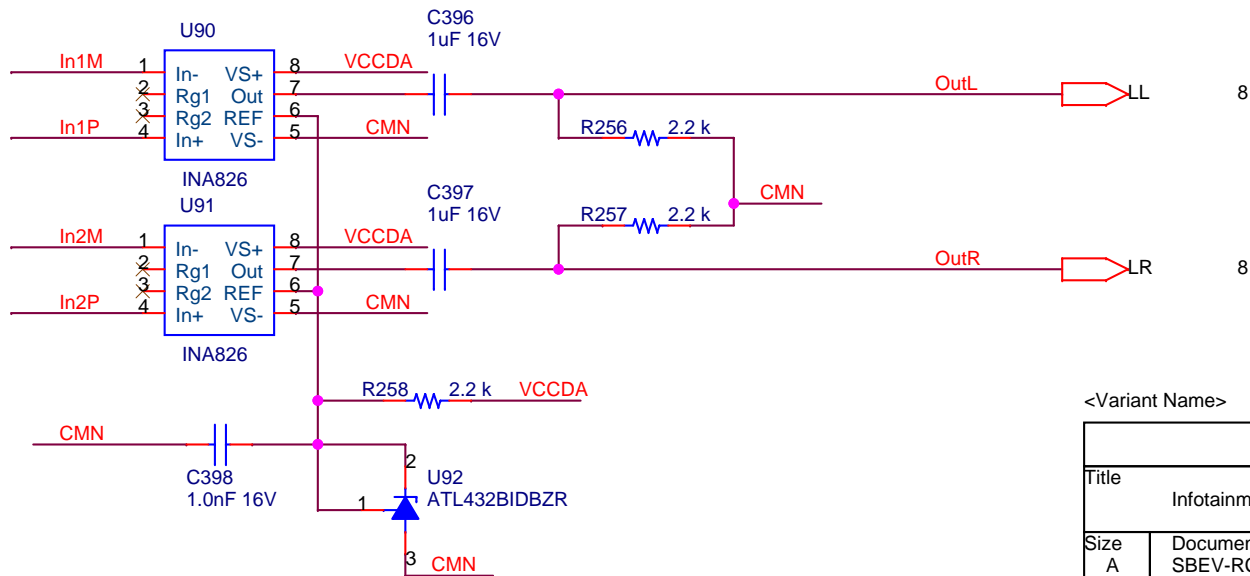
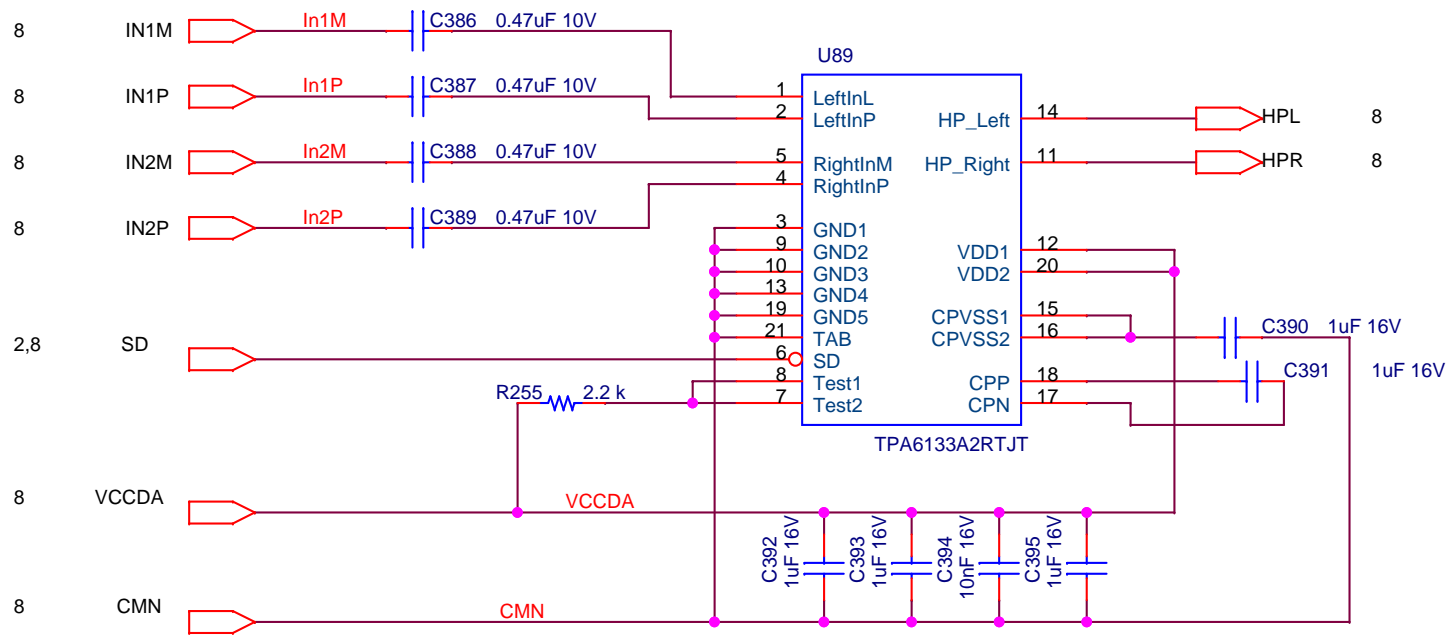
# Preliminary



<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M06(270291001D)	4.0
Date:	Tuesday, July 03, 2018	Sheet 23 of 25

# Preliminary

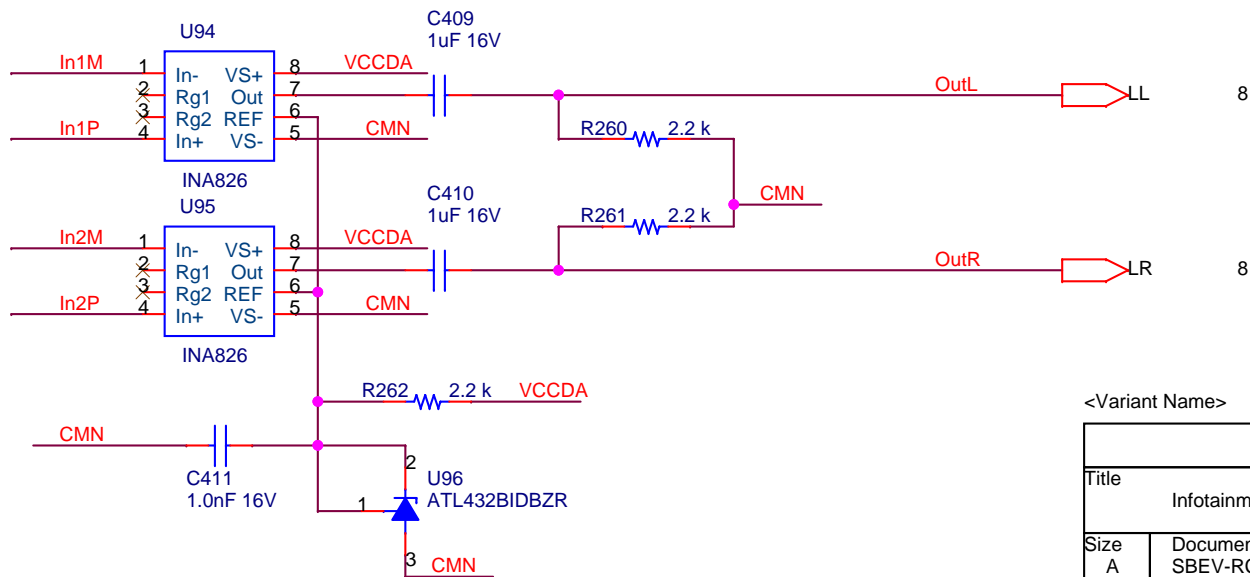
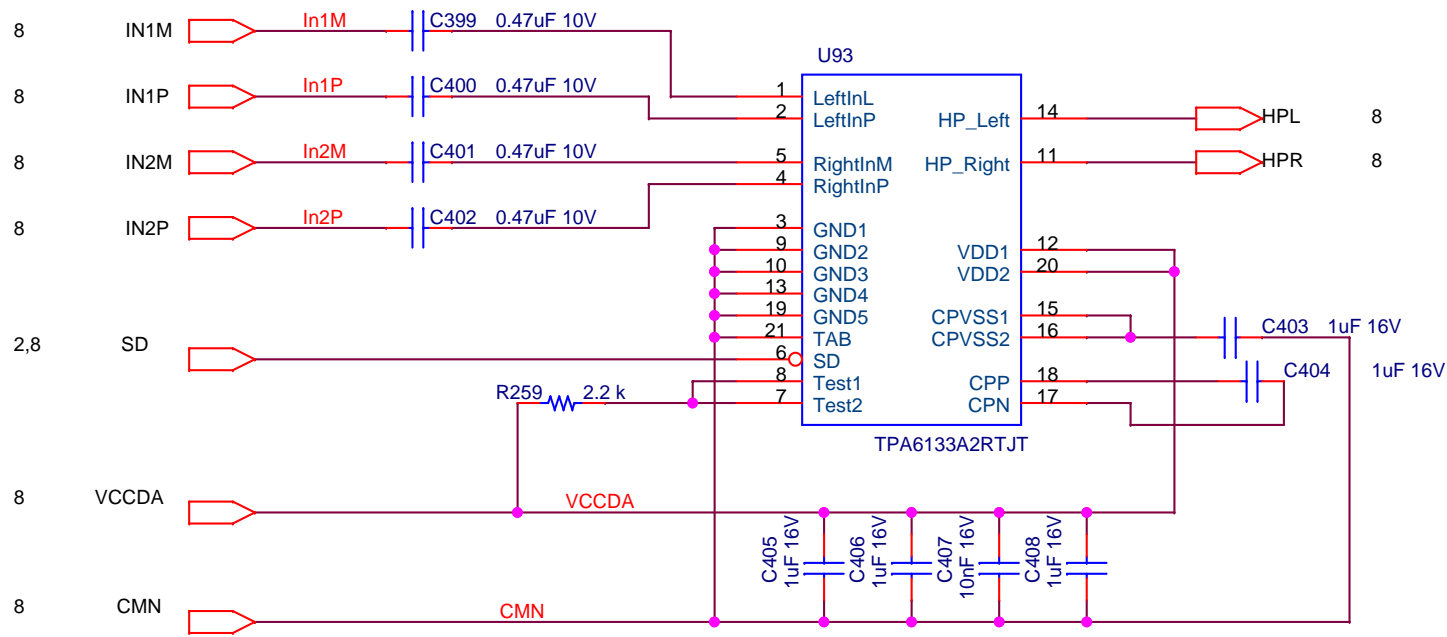


<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M06(270291001D)	4.0
Date:	Tuesday, July 03, 2018	Sheet 24 of 25



# Preliminary



<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M06(270291001D)	4.0
Date:	Tuesday, July 03, 2018	Sheet 25 of 25