

Preliminary

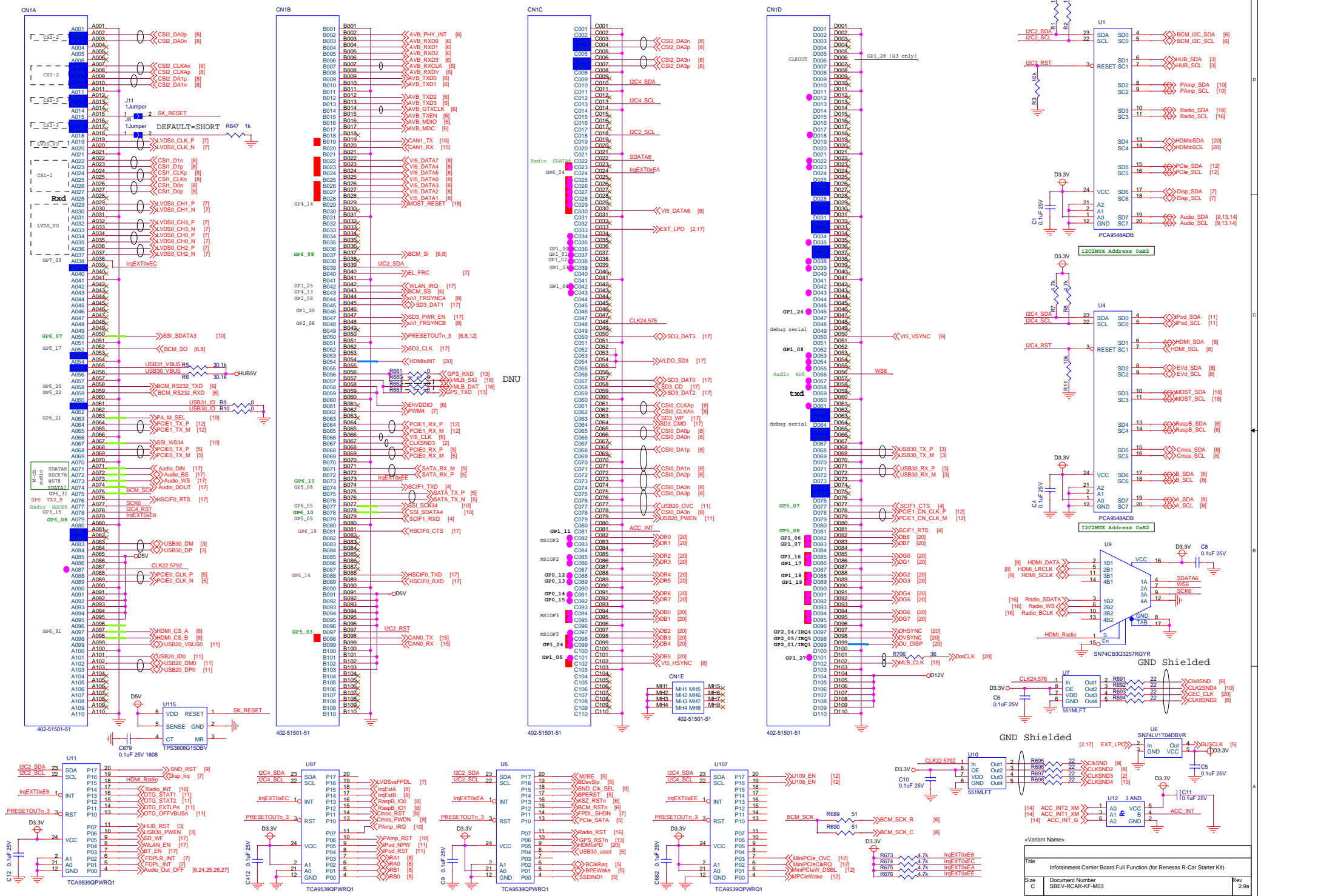
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit) for R-CarH3/M3-SiP System Board SBEV-RCAR-KF-M03

- 01 TOC
- 02 ULCB PORTS
- 03 USB HUB
- 04 COM PORT
- 05 M.2 Key M
- 06 Broad-R
- 07 VIDEO OUTPUT
- 08 VIDEO INPUT
- 09 AUDIO INPUT/OUTPUT
- 10 AUDIO External Power Amp Connector
- 11 APPLE CARPLAY
- 12 MiniPCIE
- 13 GPS
- 14 GYRO
- 15 CAN IF
- 16 RADIO
- 17 SDHCI WIFI/BT
- 18 MOST IF
- 19 POWER
- 20 Auxxiliary HDMI Output
- 21-23 Audio analog Inputs
- 24-27 Audio analog Output
- 28 Aux Power for FPDLink Output

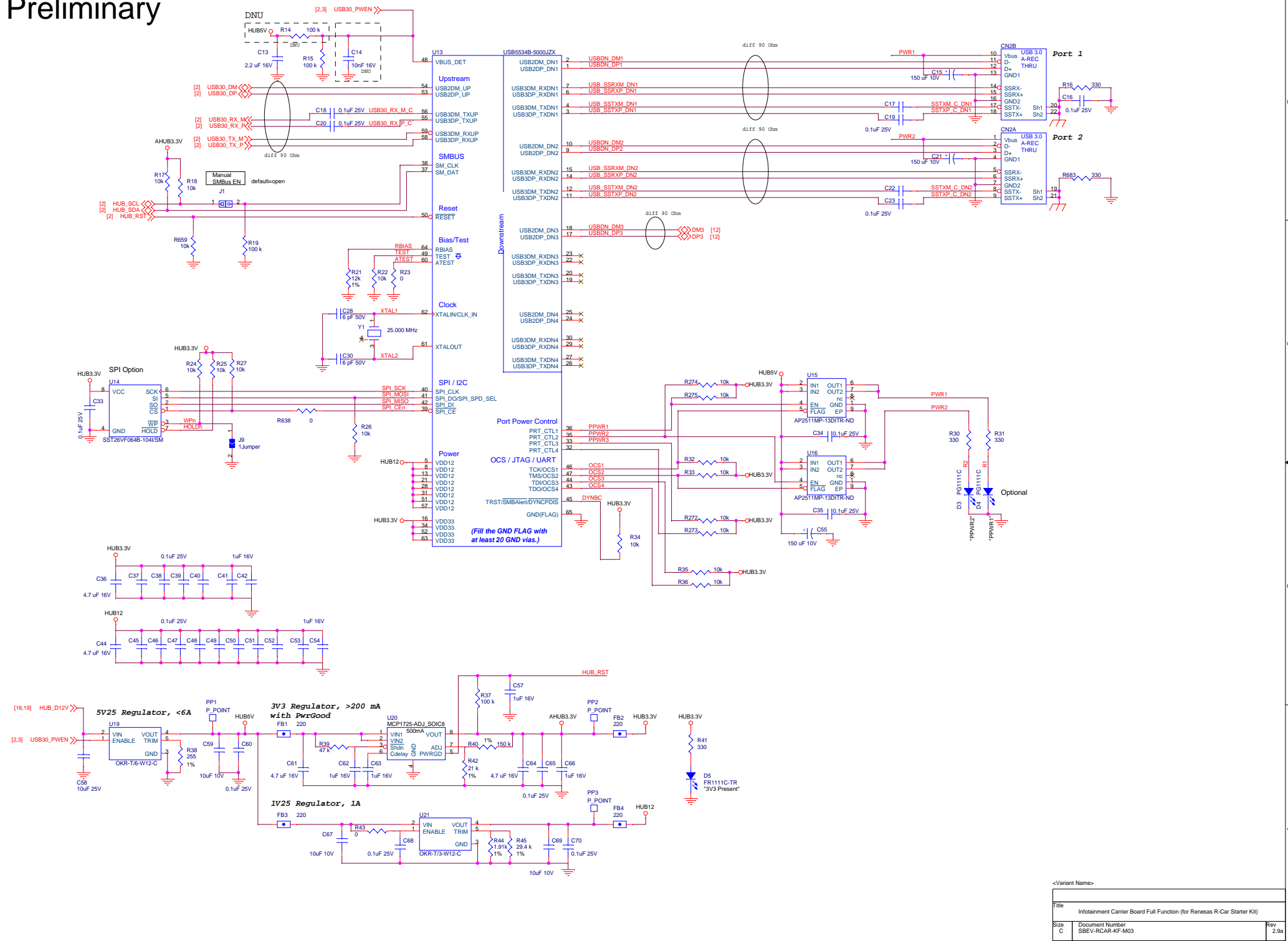
<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M03	2.9a
Date:	Friday, June 30, 2017	Sheet 1 of 28

Preliminary

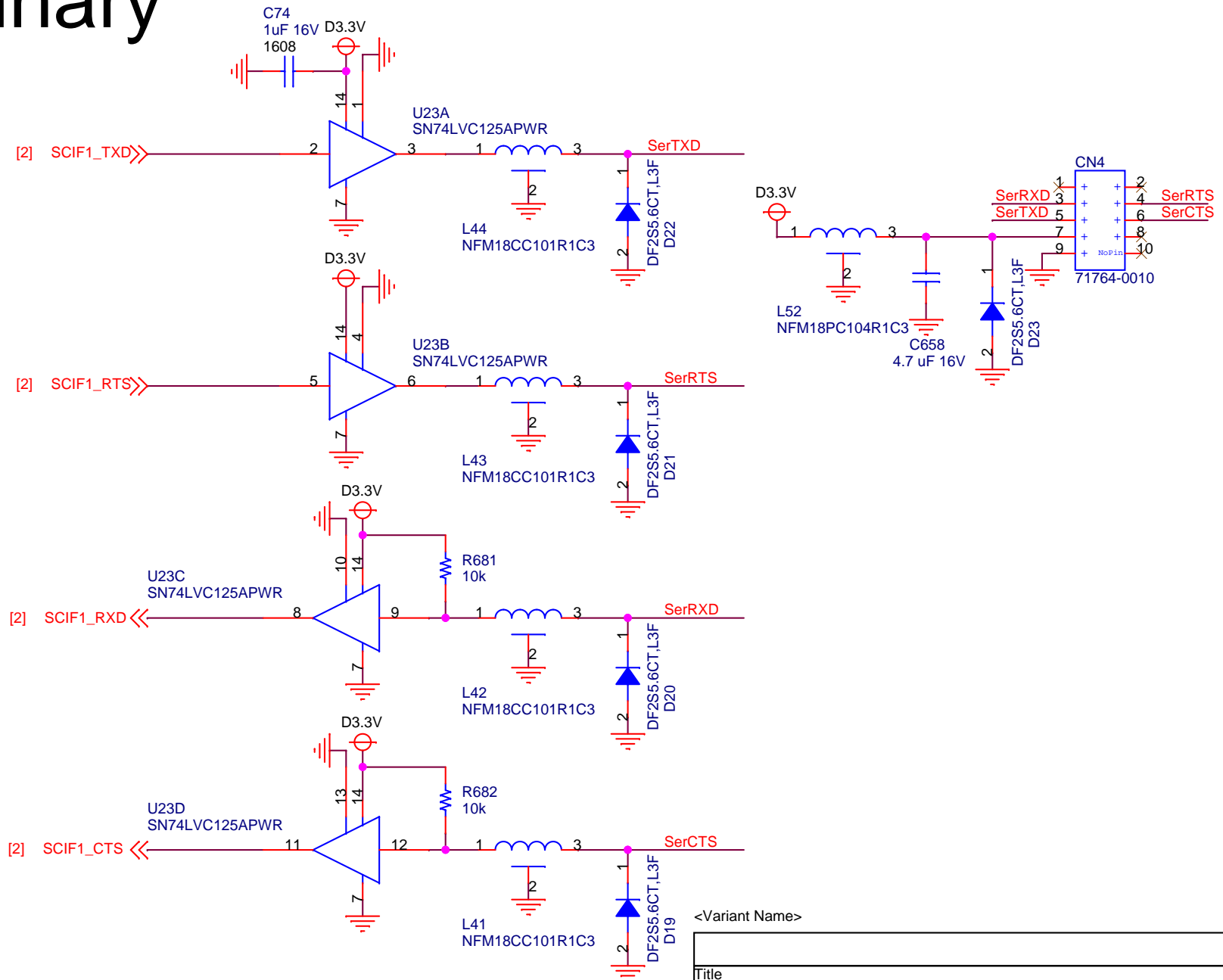


Preliminary



Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
C	SBEV-RCAR-KF-M03	2.9a
Date	Friday, June 30, 2017	Sheet 3 of 28

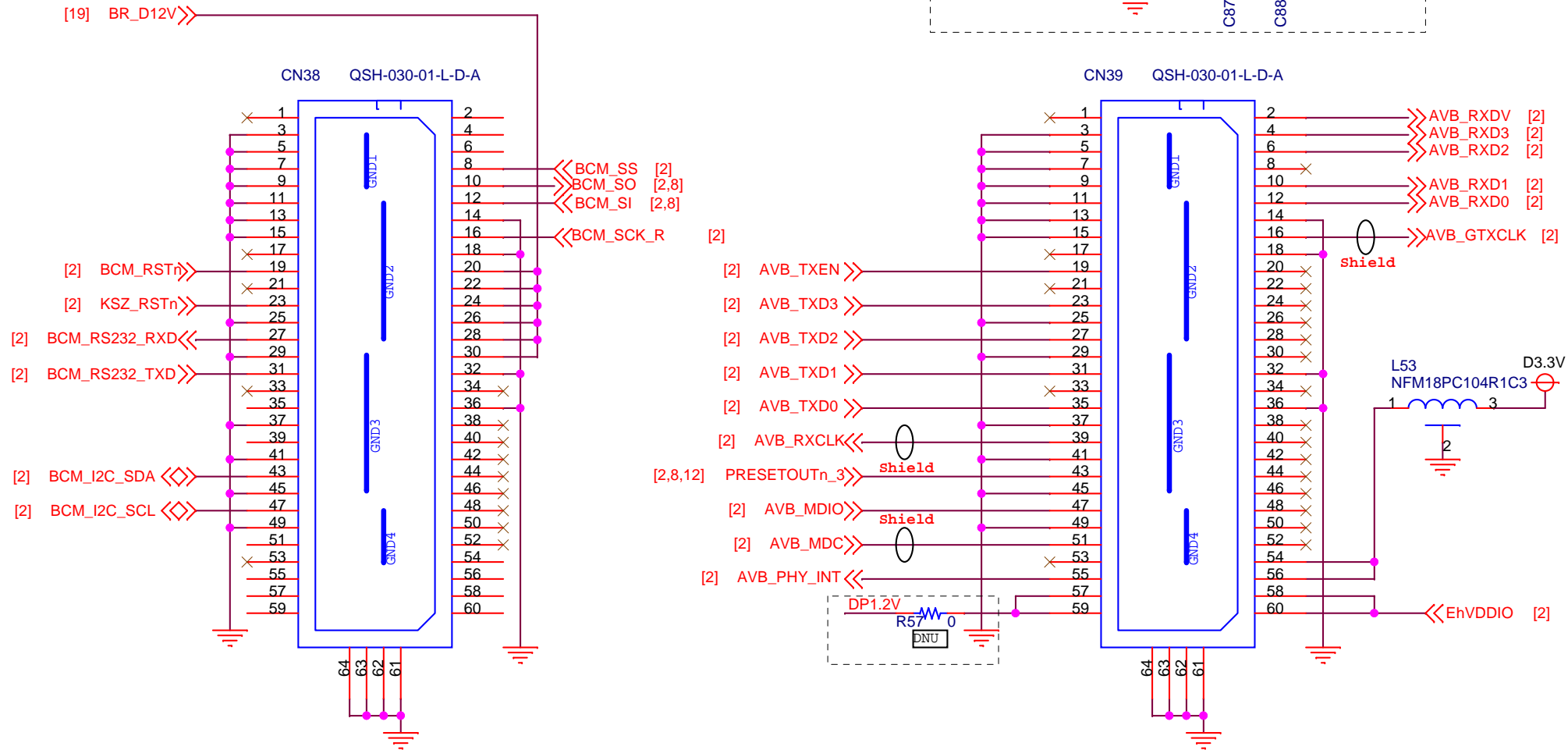
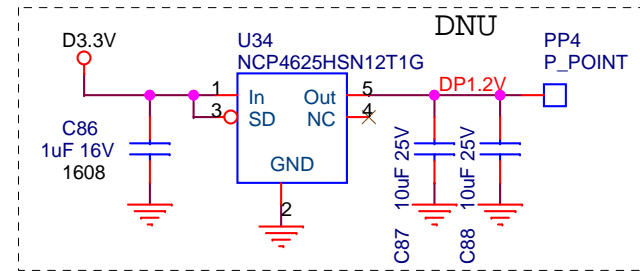
Preliminary



<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M03	2.9a
Date:	Friday, June 30, 2017	Sheet 4 of 28

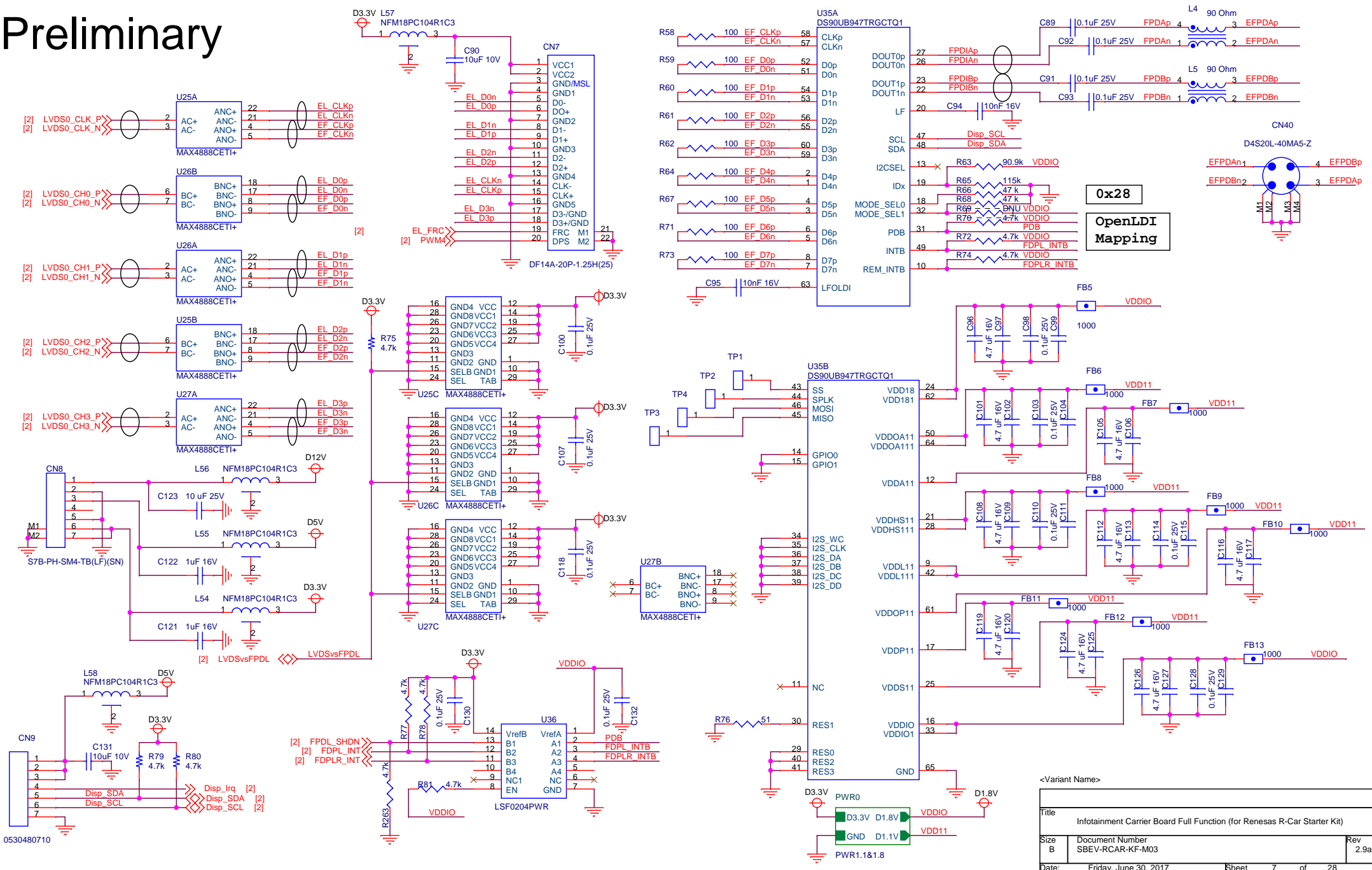
Preliminary



<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M03	2.9a
Date:	Friday, June 30, 2017	Sheet 6 of 28

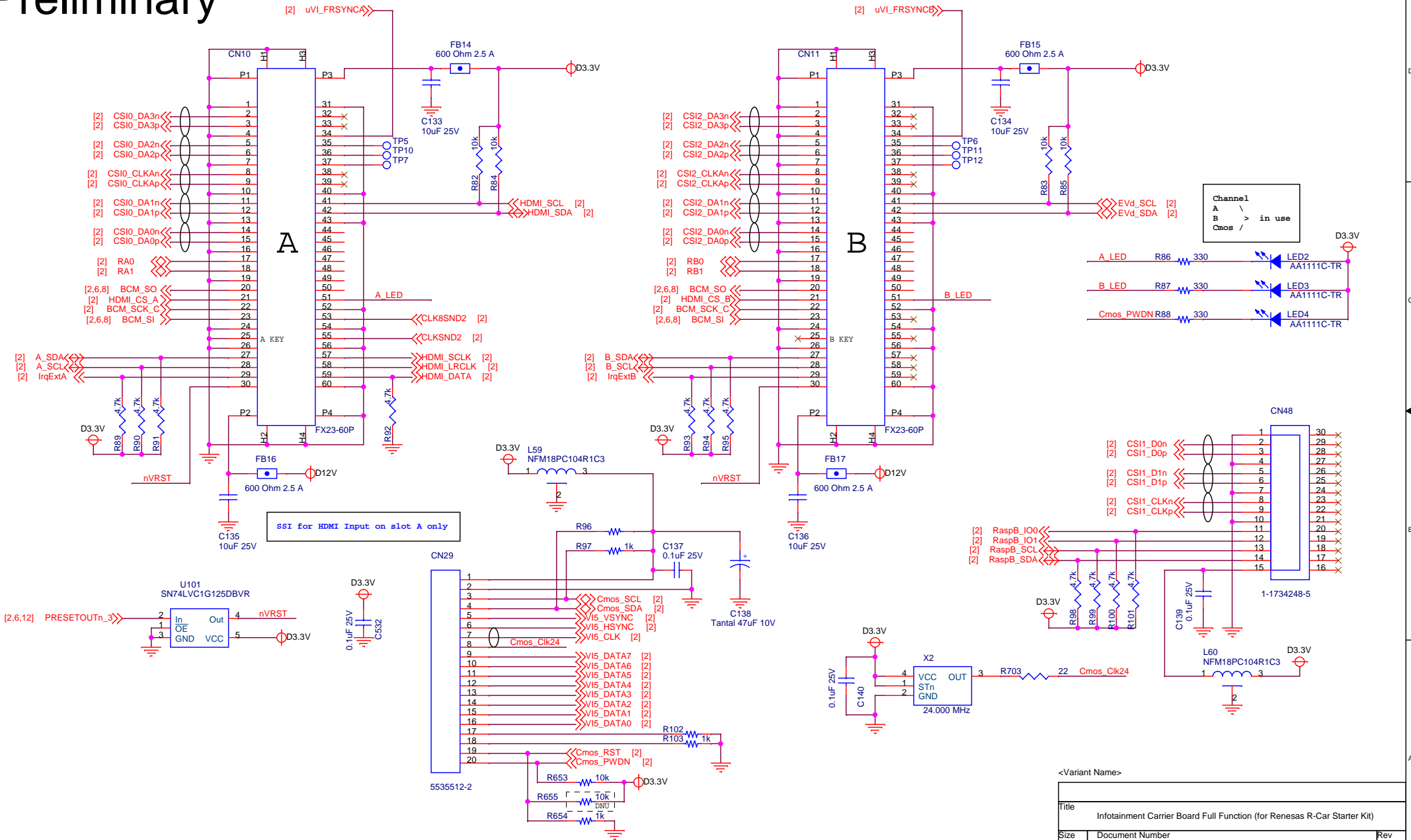
Preliminary



Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
B	SBEV-RCAR-KF-M03	2.9a
Date:	Friday, June 30, 2017	Sheet 7 of 28

0530480710

Preliminary



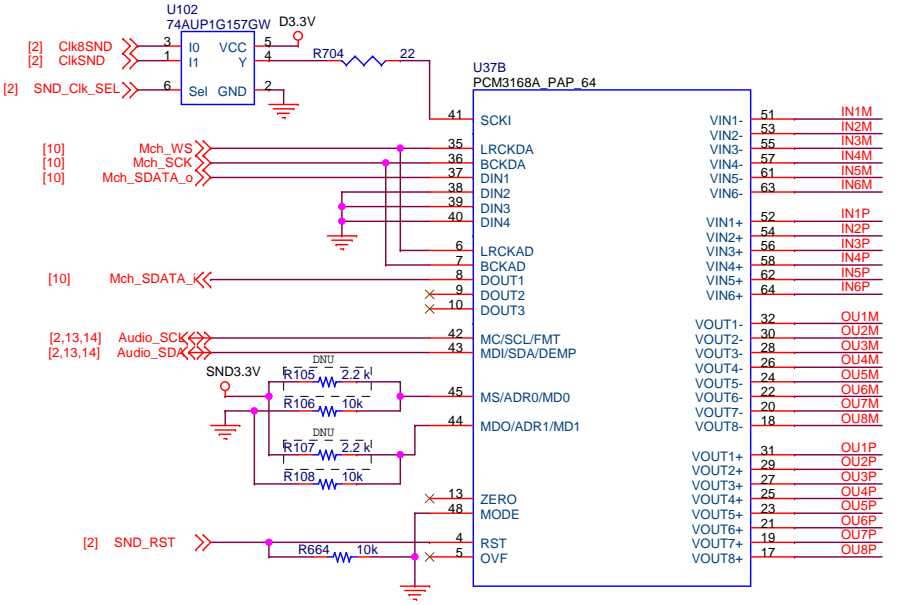
Channel
 A \ in use
 B /
 Cmos >

SSI for HDMI Input on slot A only

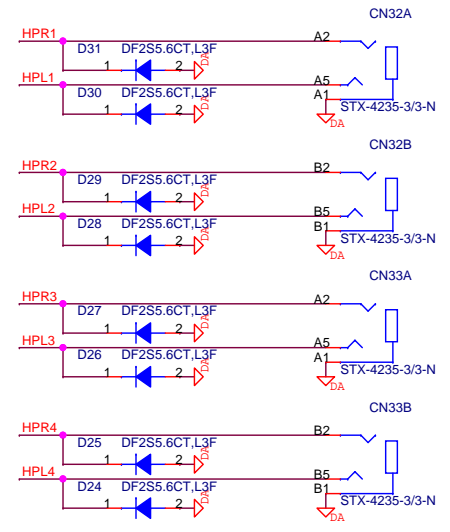
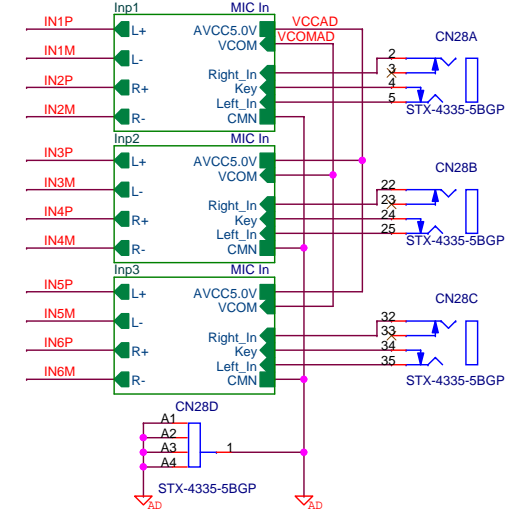
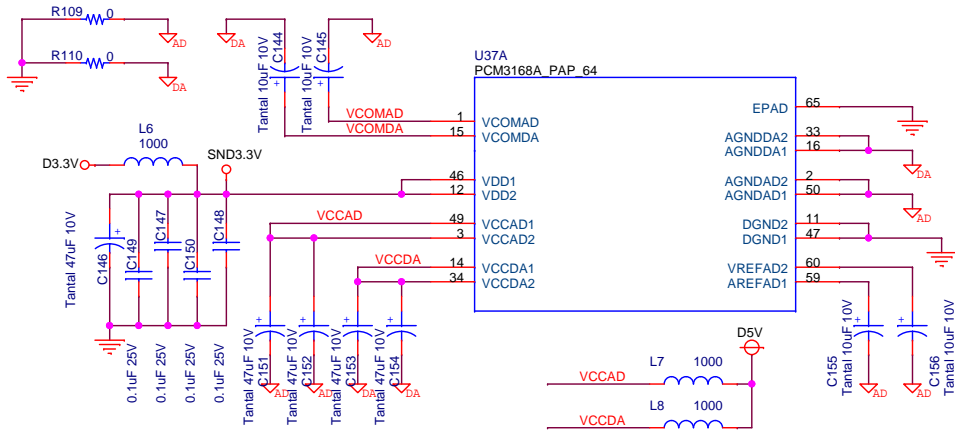
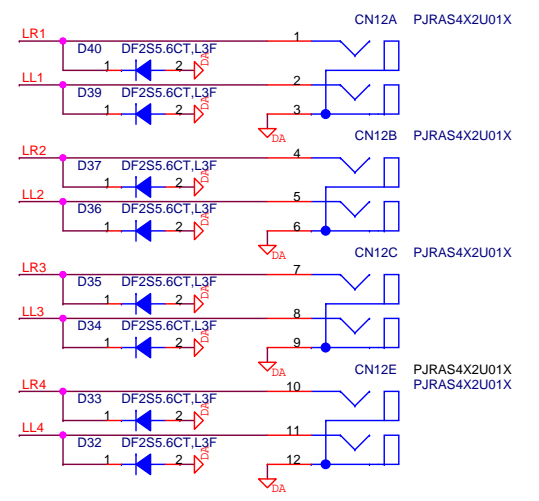
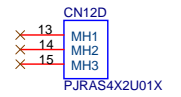
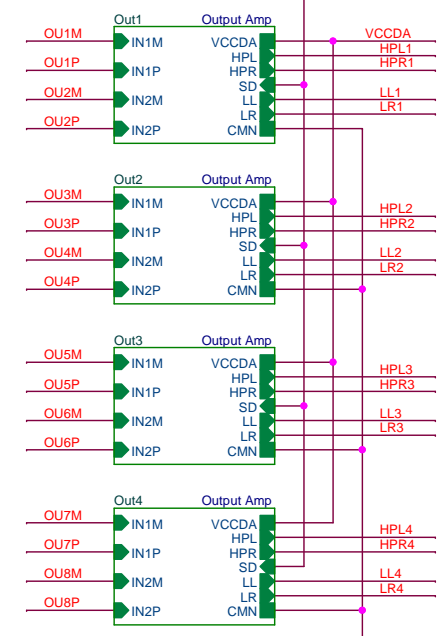
<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
B	SBEV-RCAR-KF-M03	2.9a
Date:	Friday, June 30, 2017	Sheet 8 of 28

Preliminary



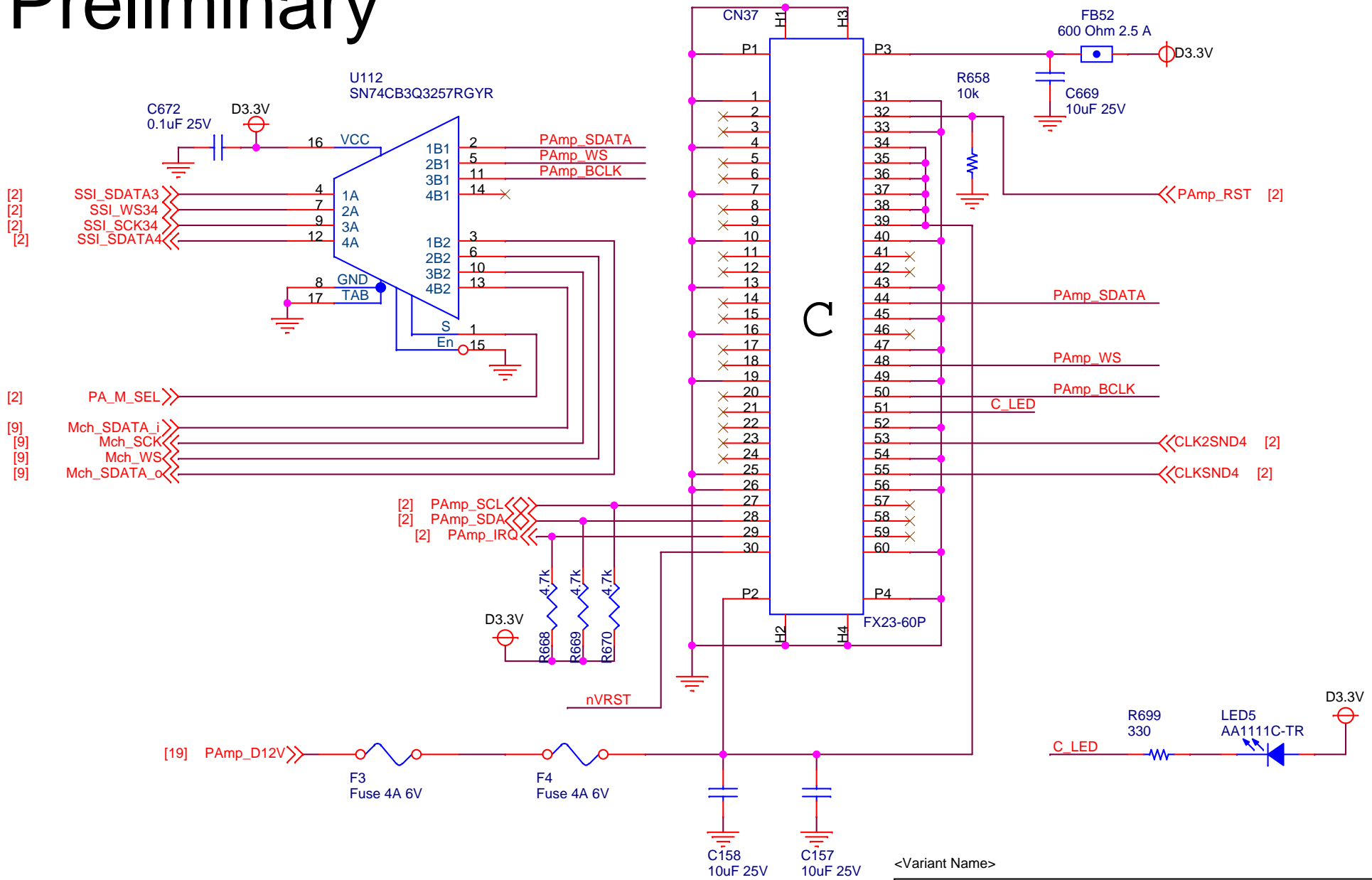
[2,24!,25!,26!,27!] Audio_Out_OFF >> R104 10k



<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
B	SBEV-RCAR-KF-M03	2.9a
Date:	Friday, June 30, 2017	Sheet 9 of 28

Preliminary

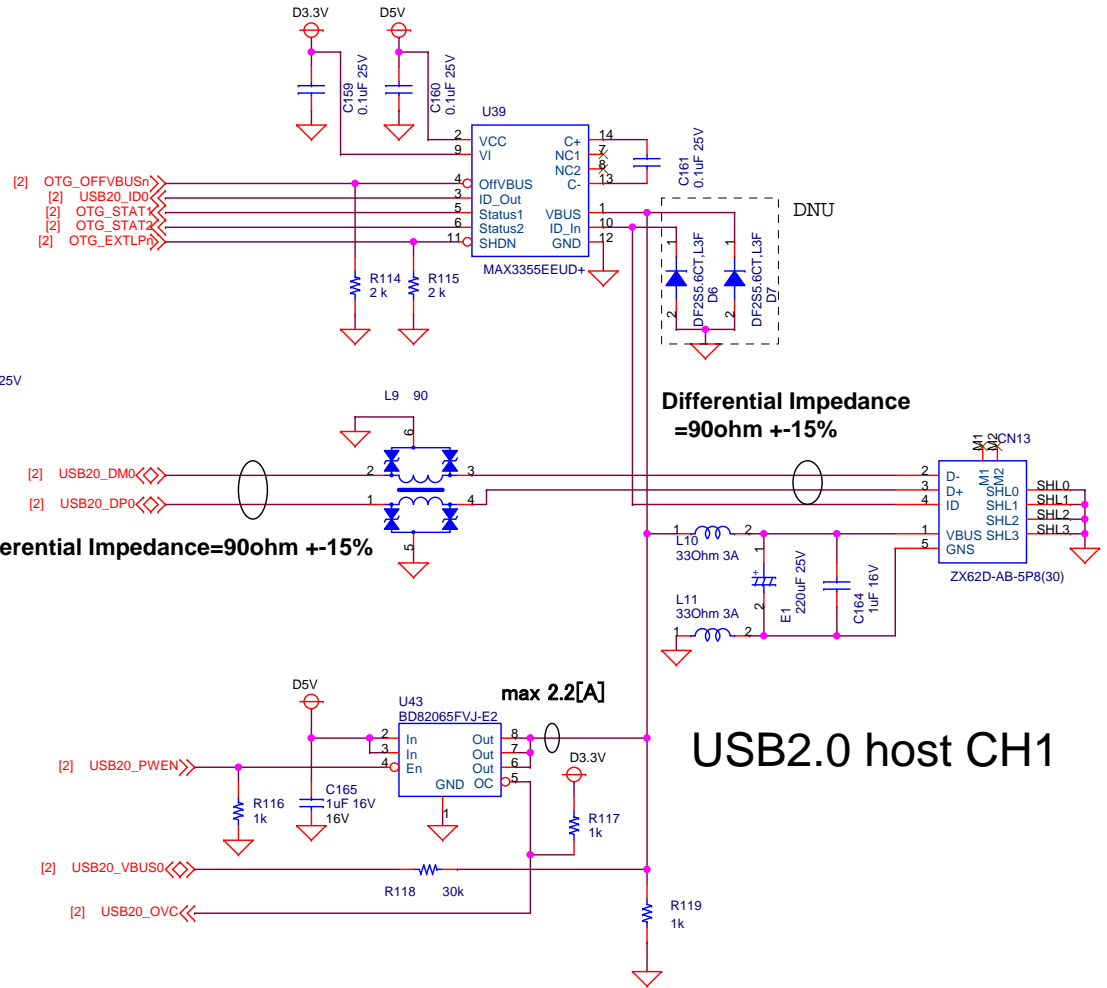
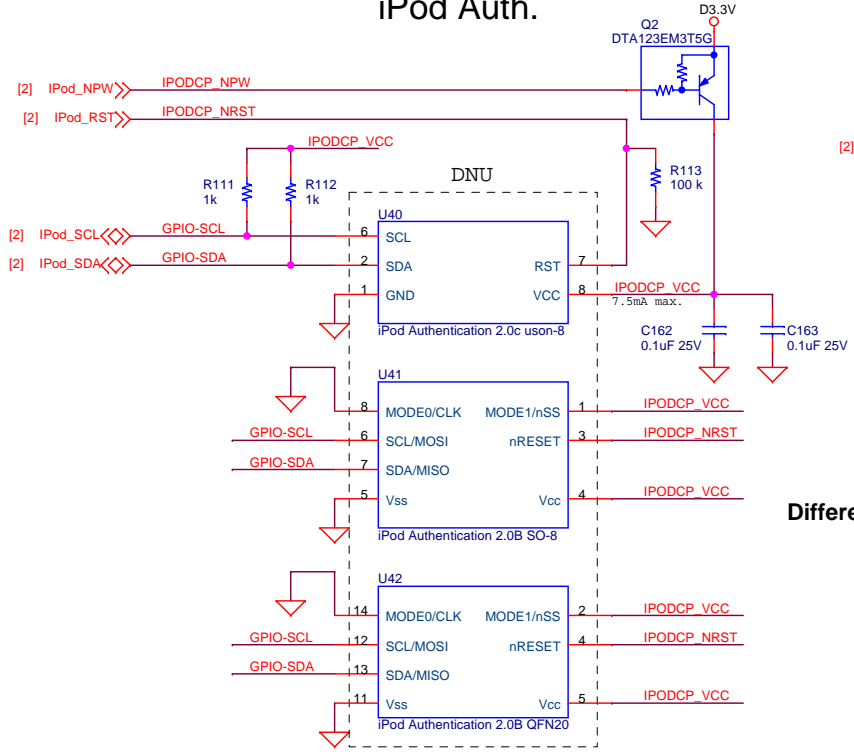


<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M03	2.9a
Date:	Friday, June 30, 2017	Sheet 10 of 28

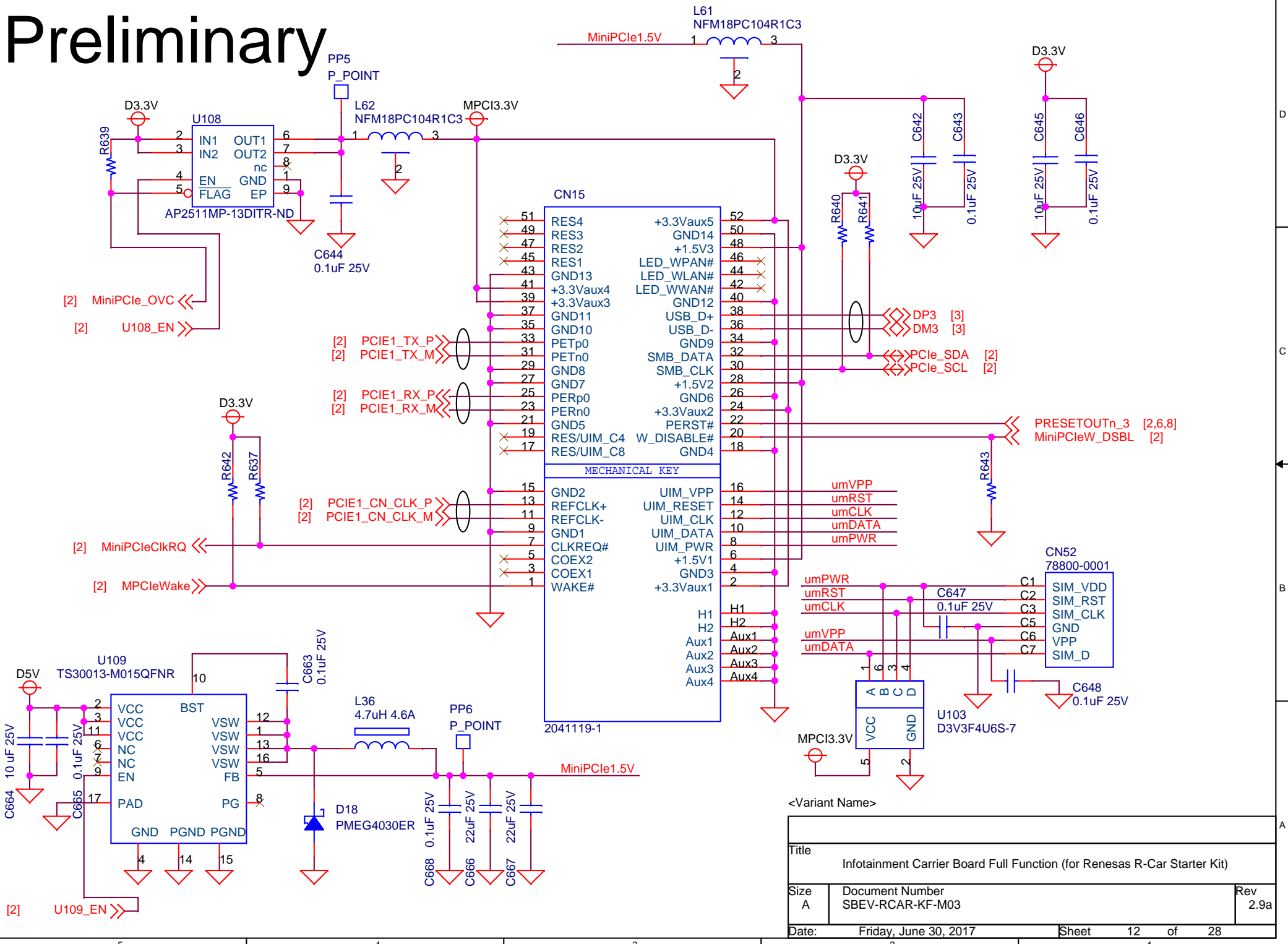
Preliminary

iPod Auth.



<Variant Name>		
Title Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size B	Document Number SBEV-RCAR-KF-M03	Rev 2.9a
Date:	Friday, June 30, 2017	Sheet 11 of 28

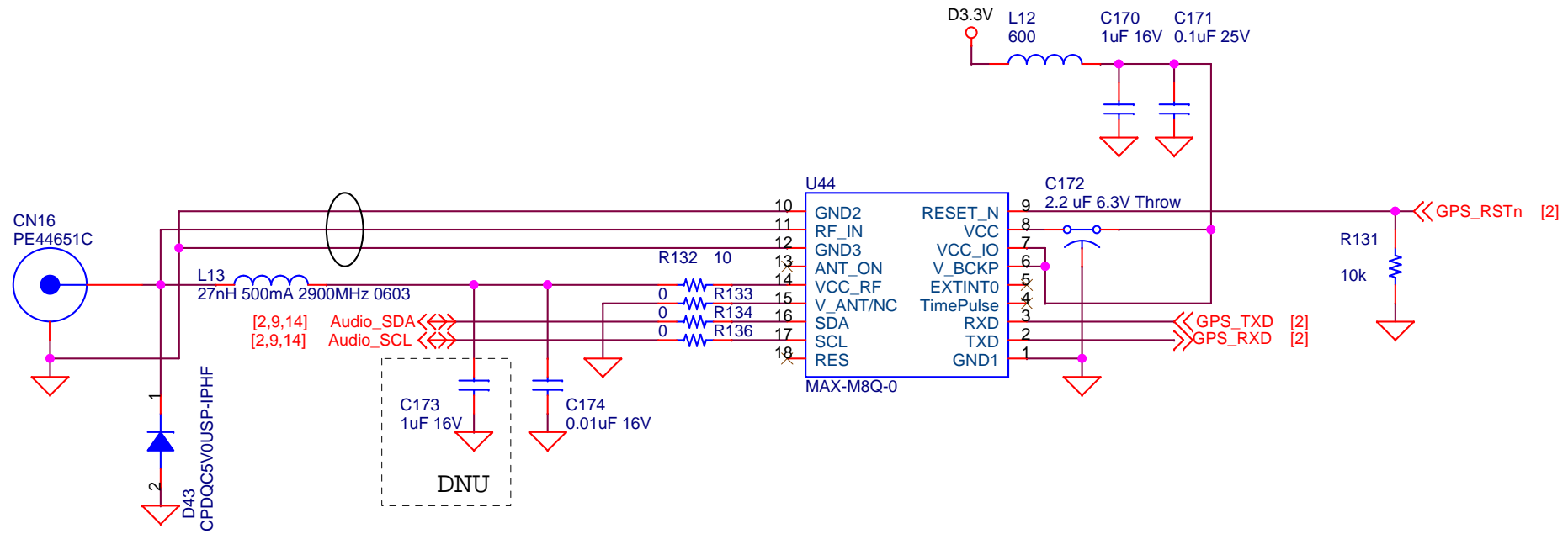
Preliminary



<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M03	2.9a
Date:	Friday, June 30, 2017	Sheet 12 of 28

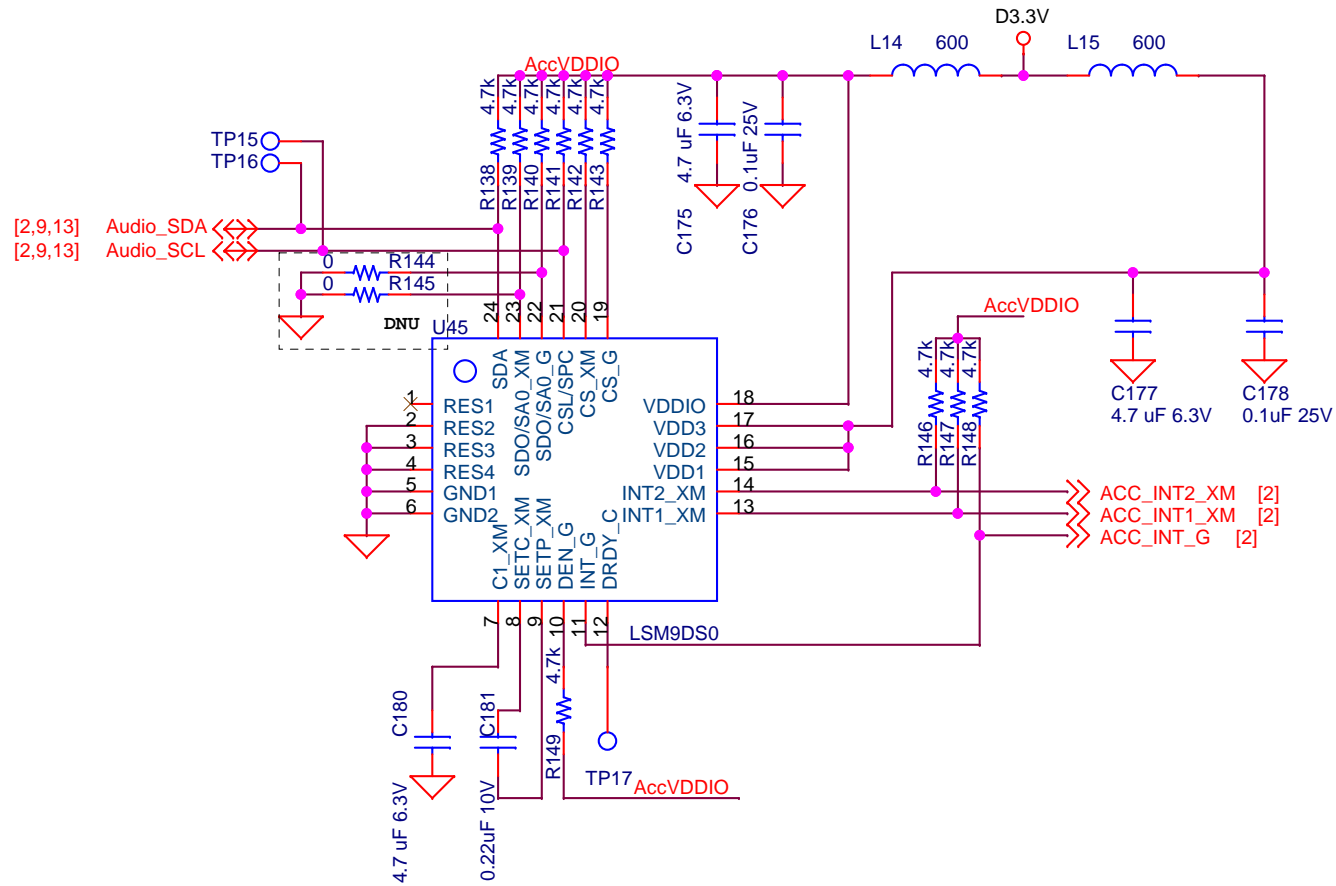
Preliminary



<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M03	2.9a
Date:	Friday, June 30, 2017	Sheet 13 of 28

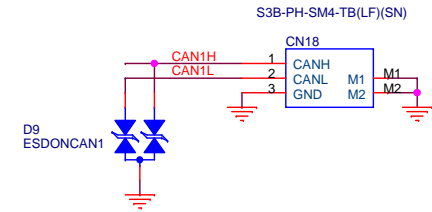
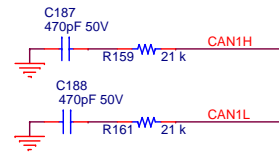
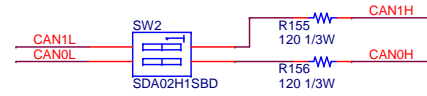
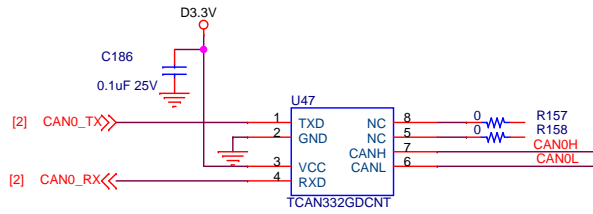
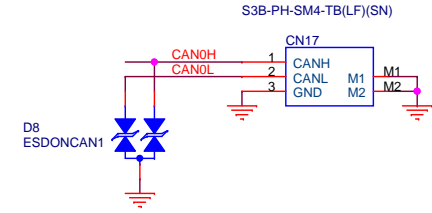
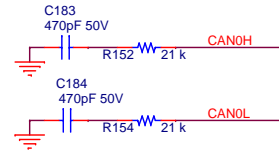
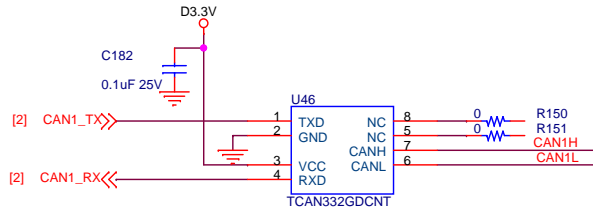
Preliminary



<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M03	2.9a
Date:	Friday, June 30, 2017	Sheet 14 of 28

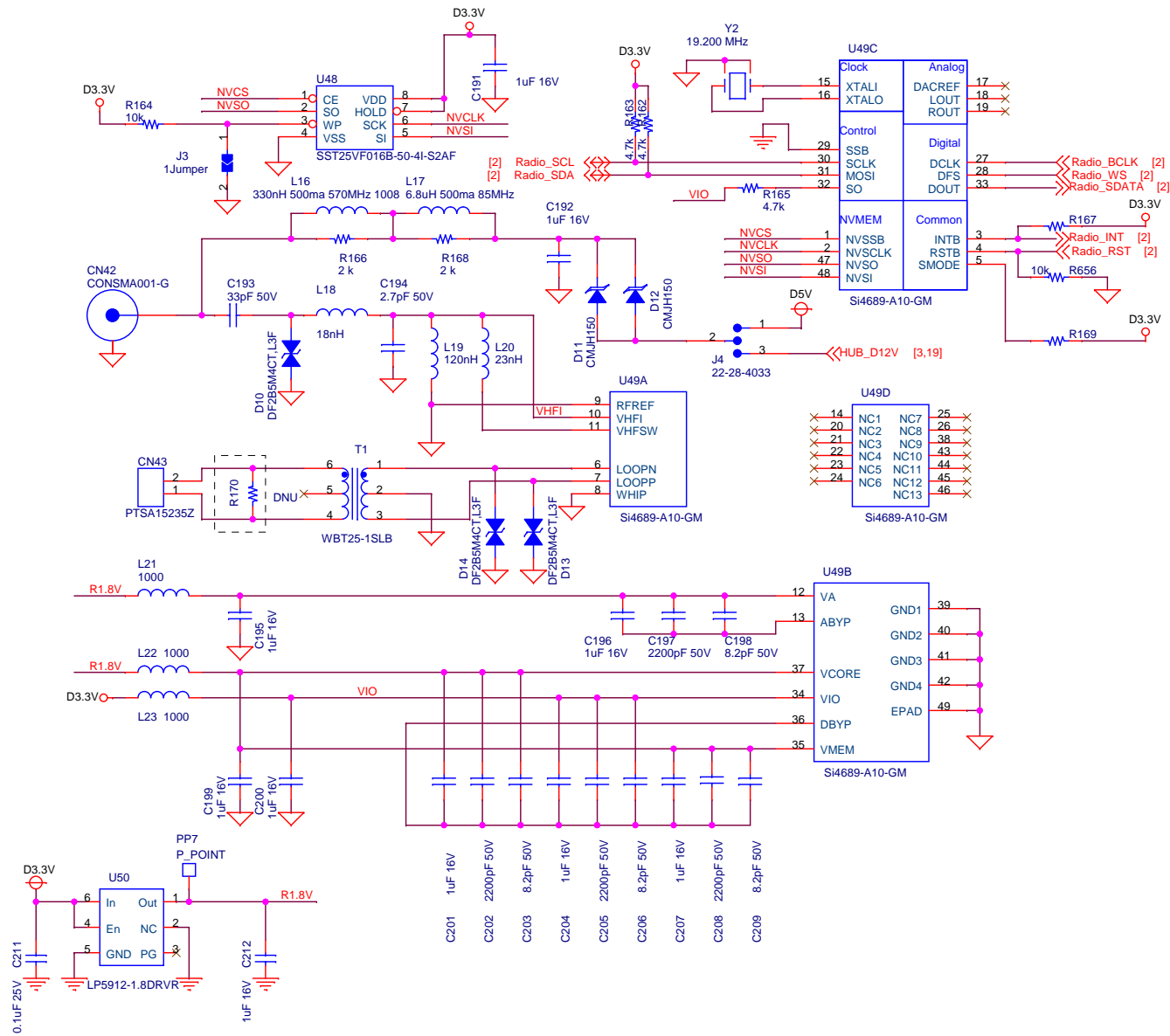
Preliminary



<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
B	SBEV-RCAR-KF-M03	2.9a
Date:	Friday, June 30, 2017	Sheet 15 of 28

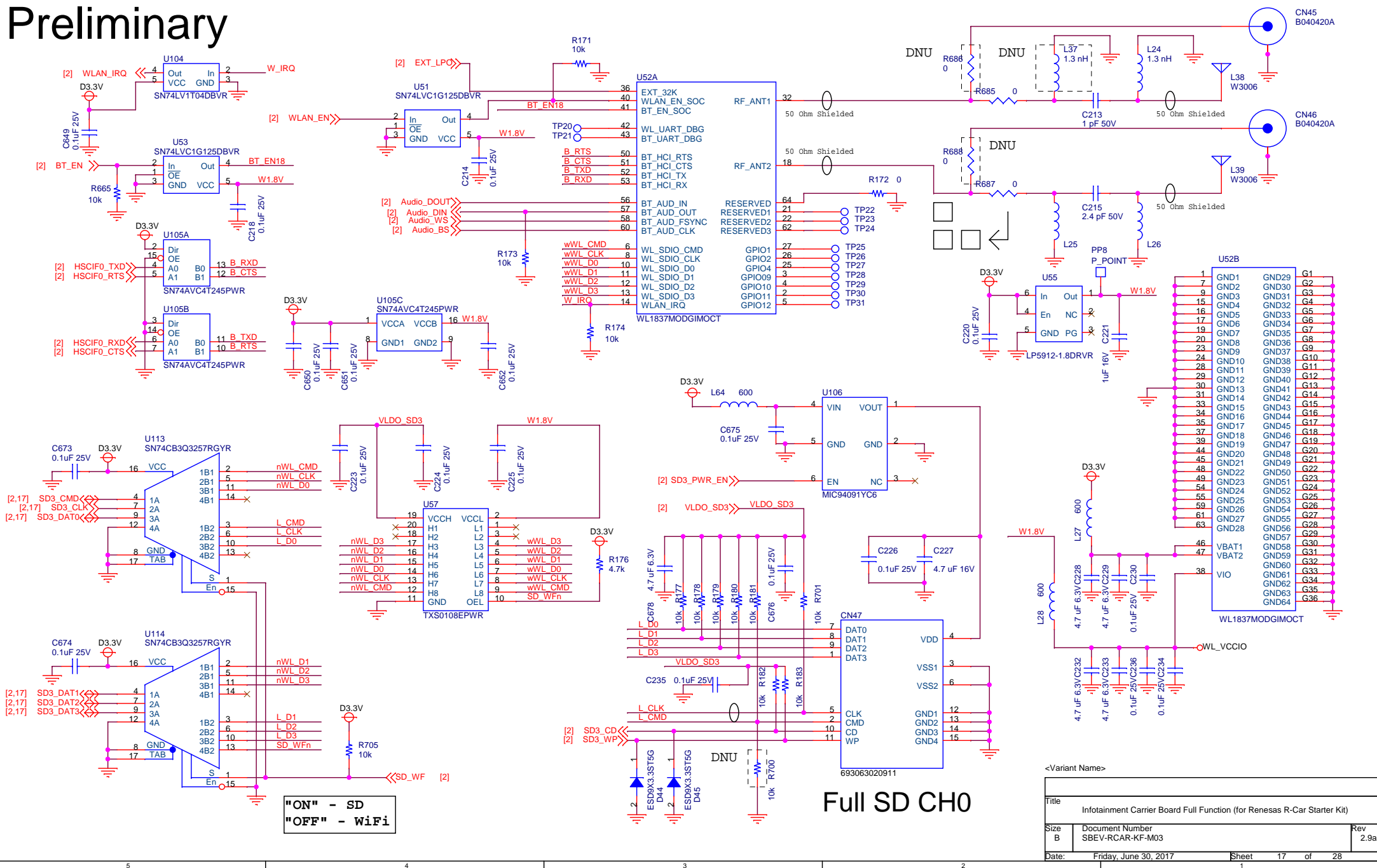
Preliminary



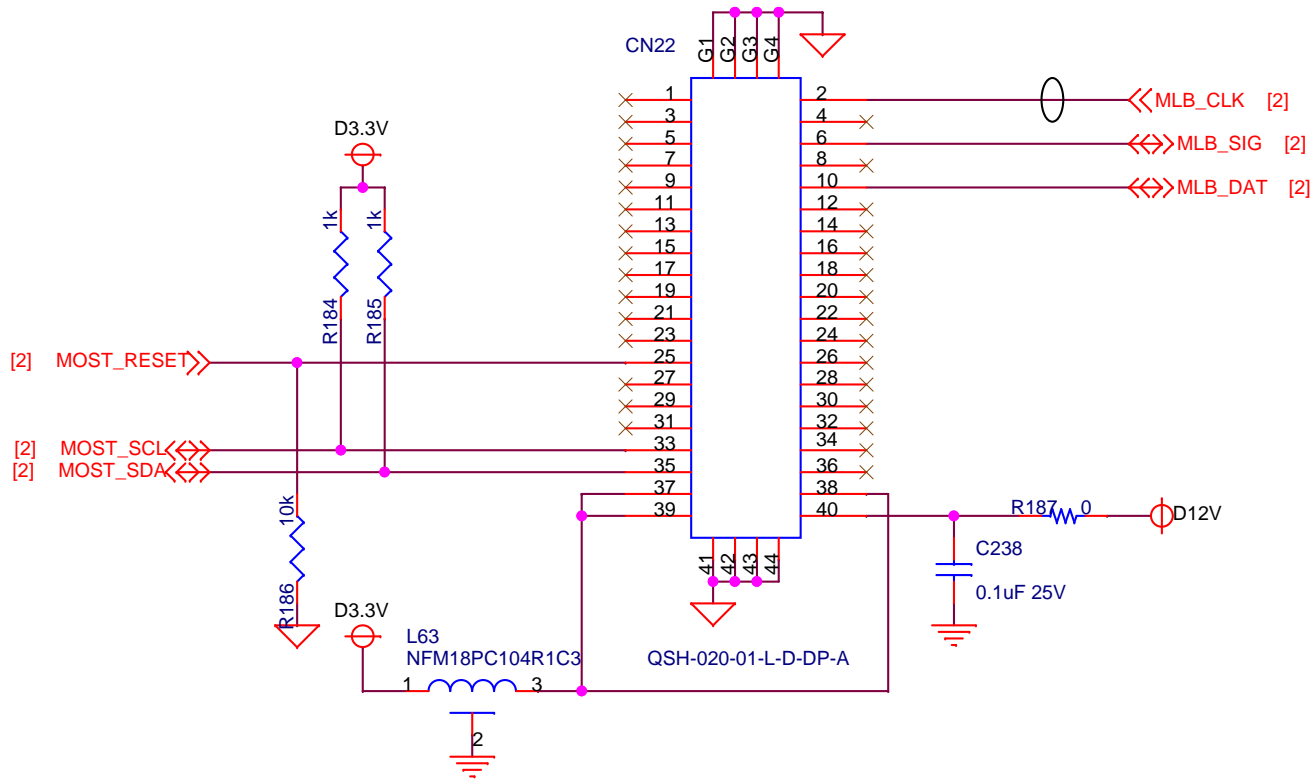
<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
B	SBEV-RCAR-KF-M03	2.9a
Date:	Friday, June 30, 2017	Sheet 16 of 28

Preliminary



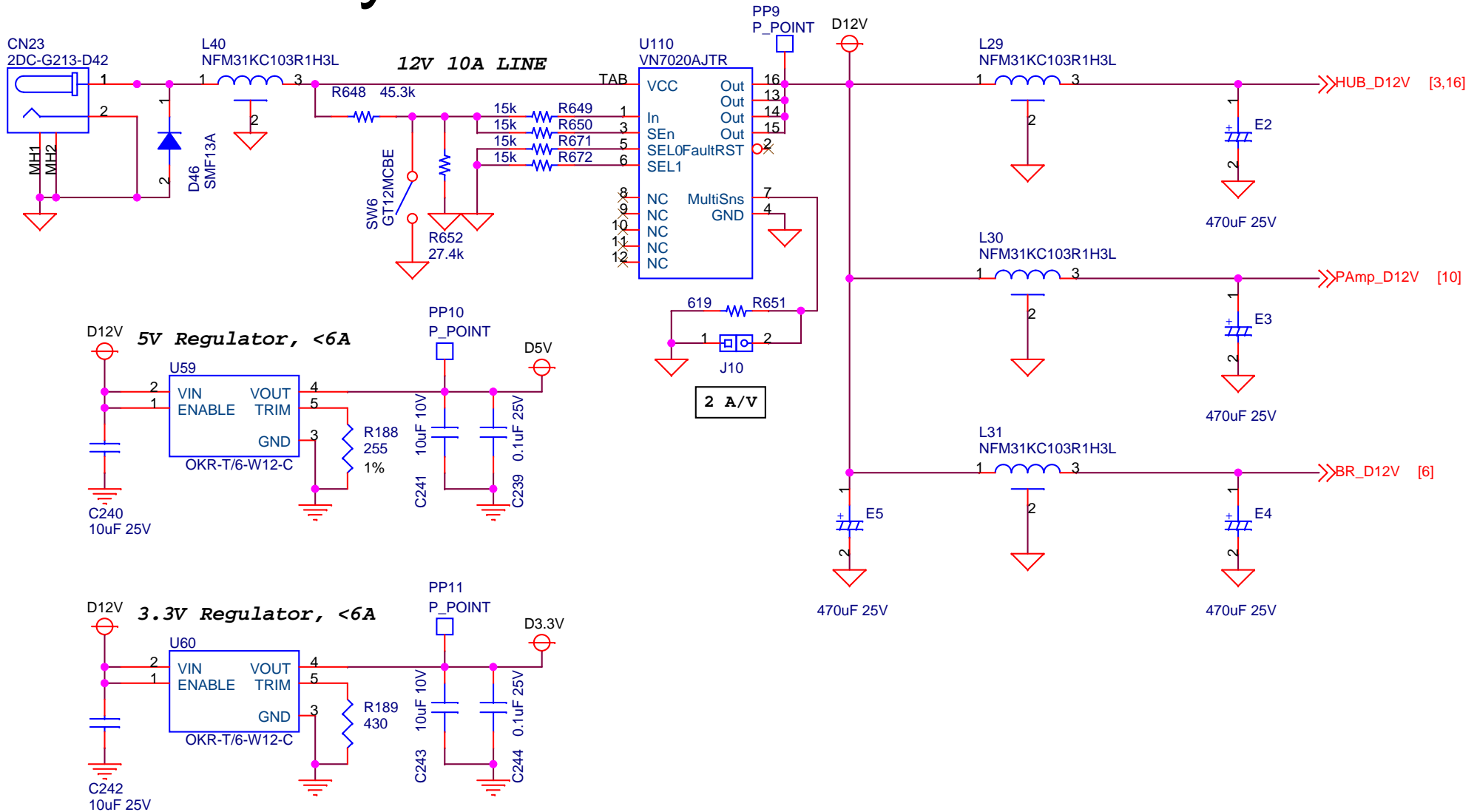
Preliminary



<Variant Name>

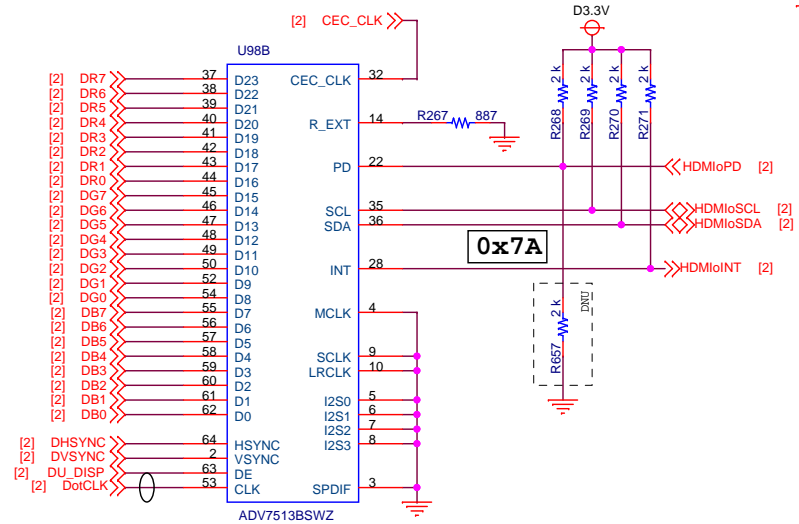
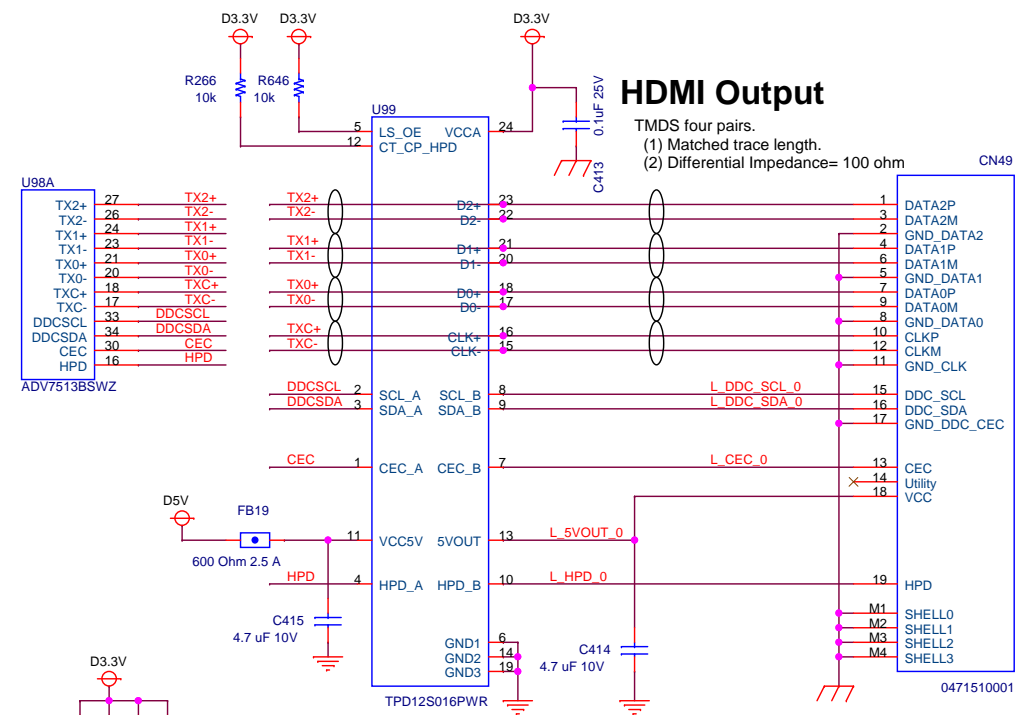
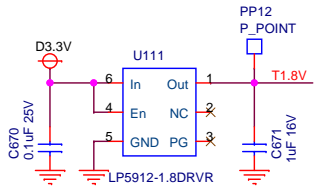
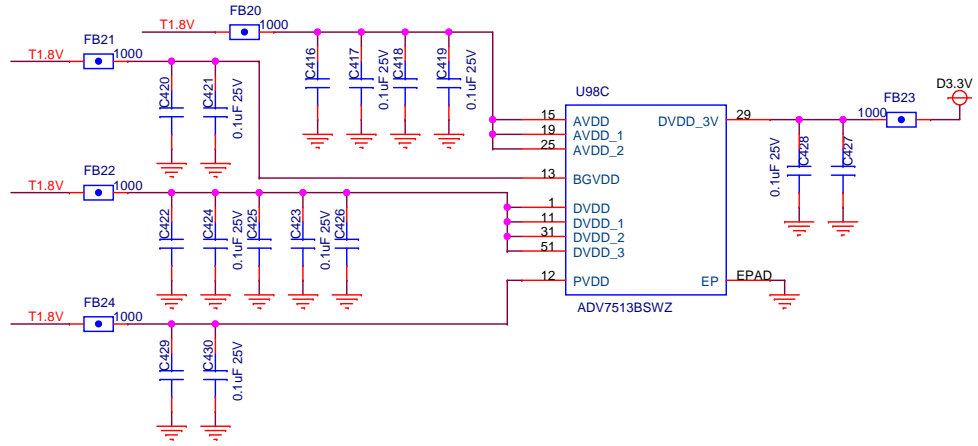
Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M03	2.9a
Date:	Friday, June 30, 2017	Sheet 18 of 28

Preliminary



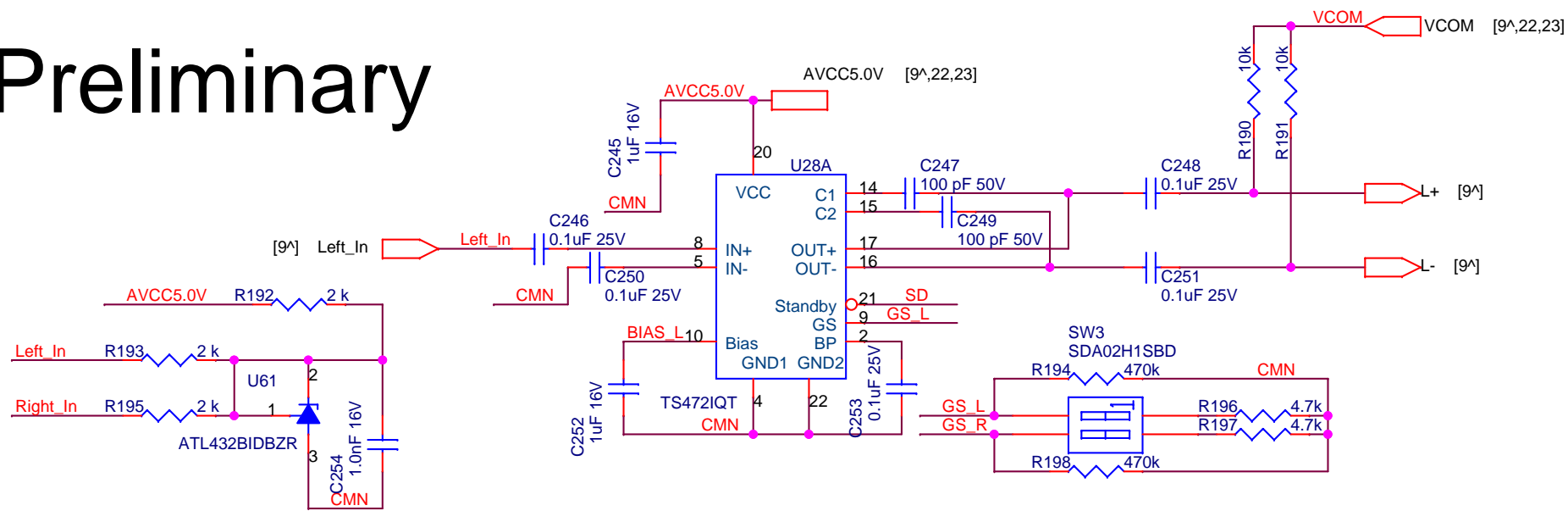
<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M03	2.9a
Date:	Friday, June 30, 2017	Sheet 19 of 28

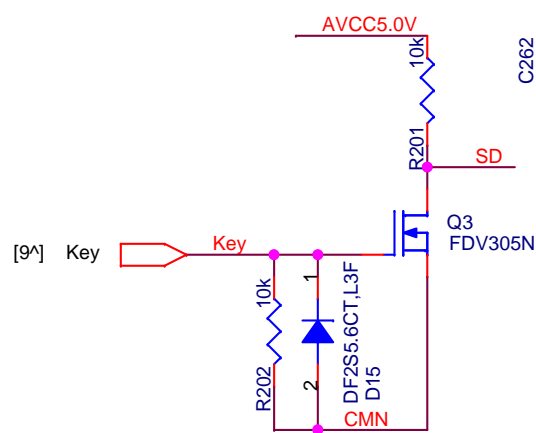
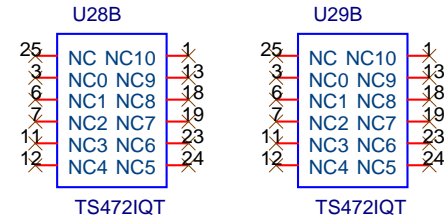
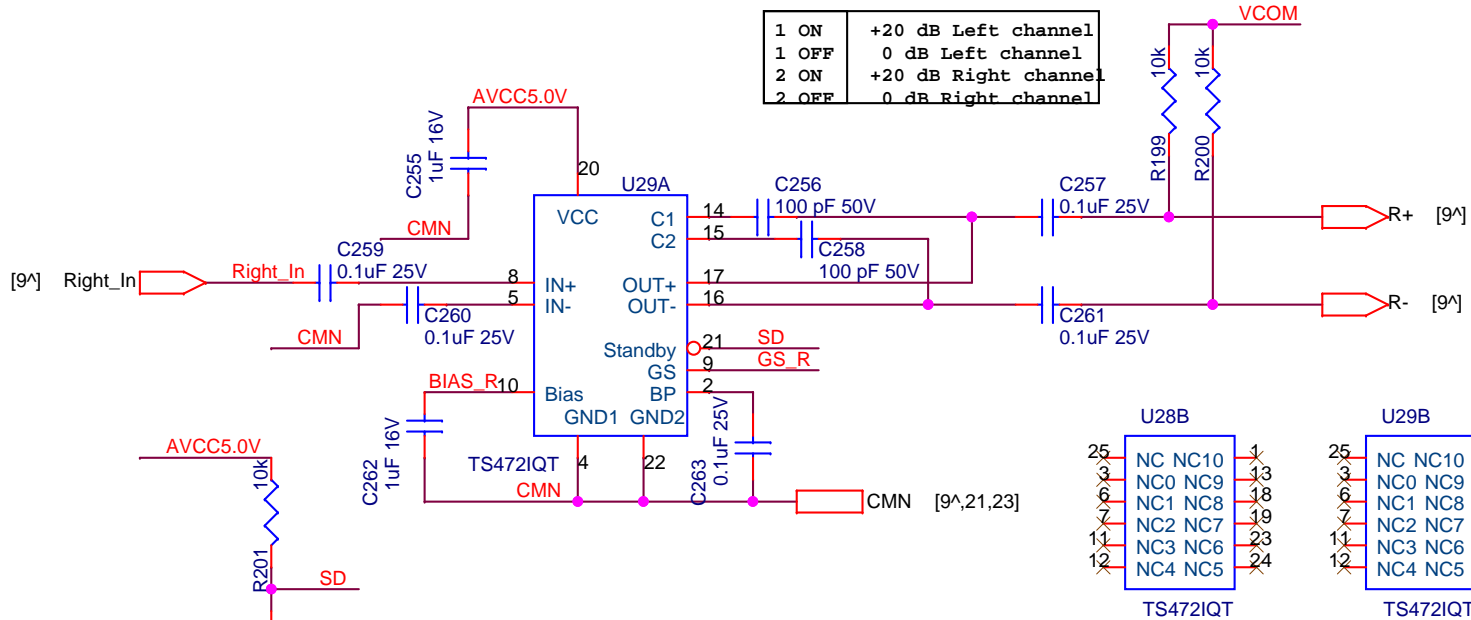


<Variant Name>		
Title Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size B	Document Number SBEV-RCAR-KF-M03	Rev 2.9a
Date:	Friday, June 30, 2017	Sheet 20 of 28

Preliminary



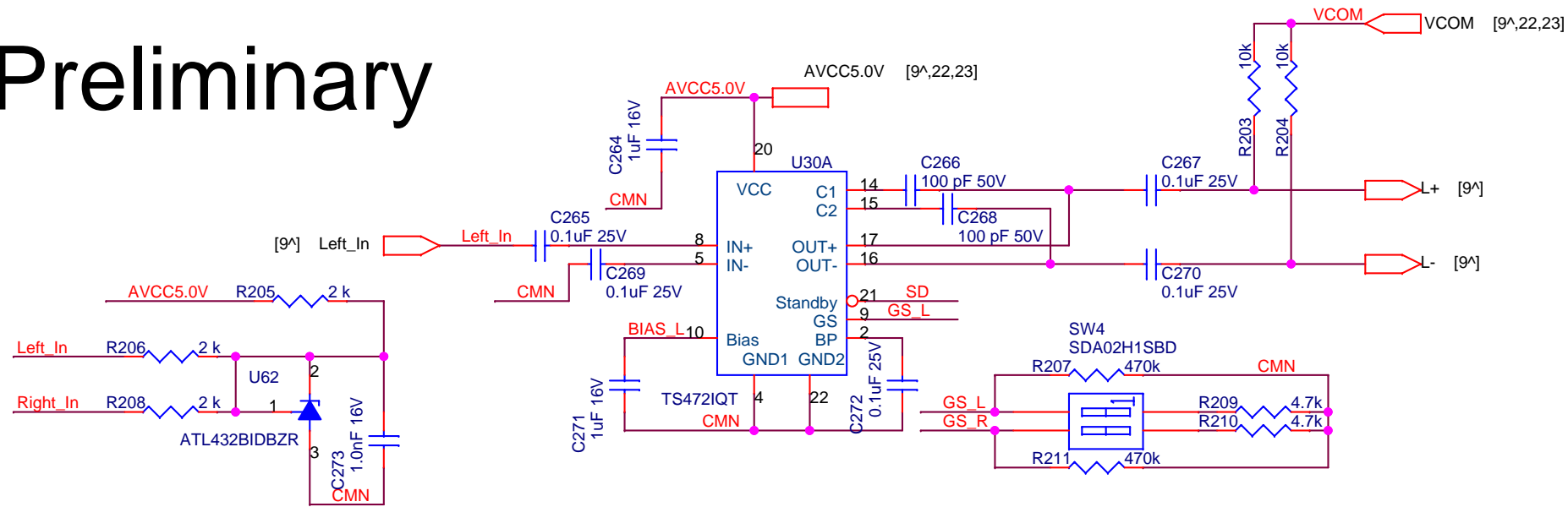
1 ON	+20 dB Left channel
1 OFF	0 dB Left channel
2 ON	+20 dB Right channel
2 OFF	0 dB Right channel



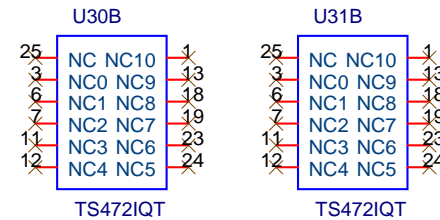
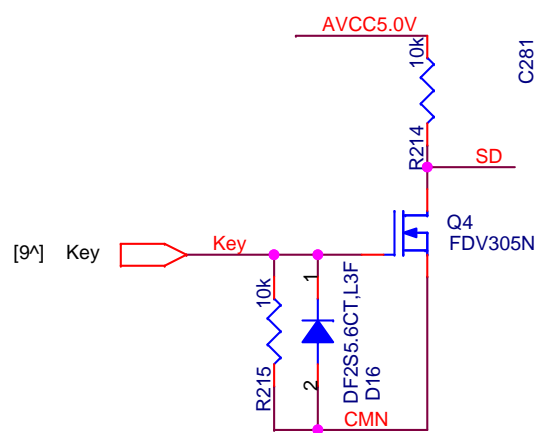
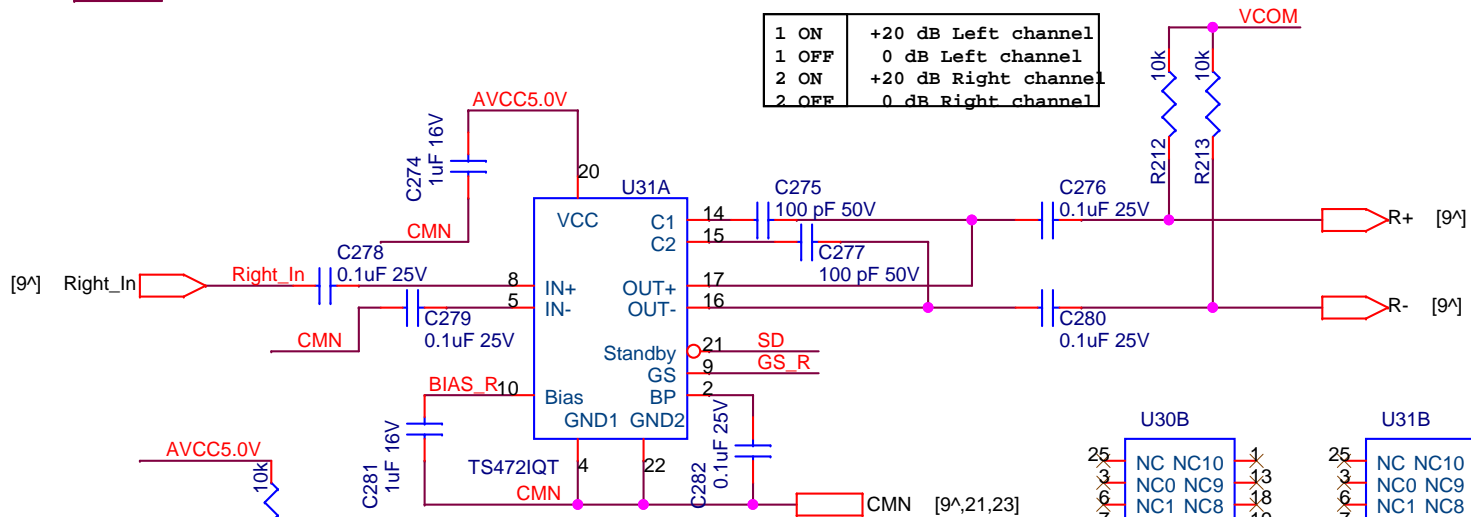
<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M03	2.9a
Date:	Friday, June 30, 2017	Sheet 21 of 28

Preliminary



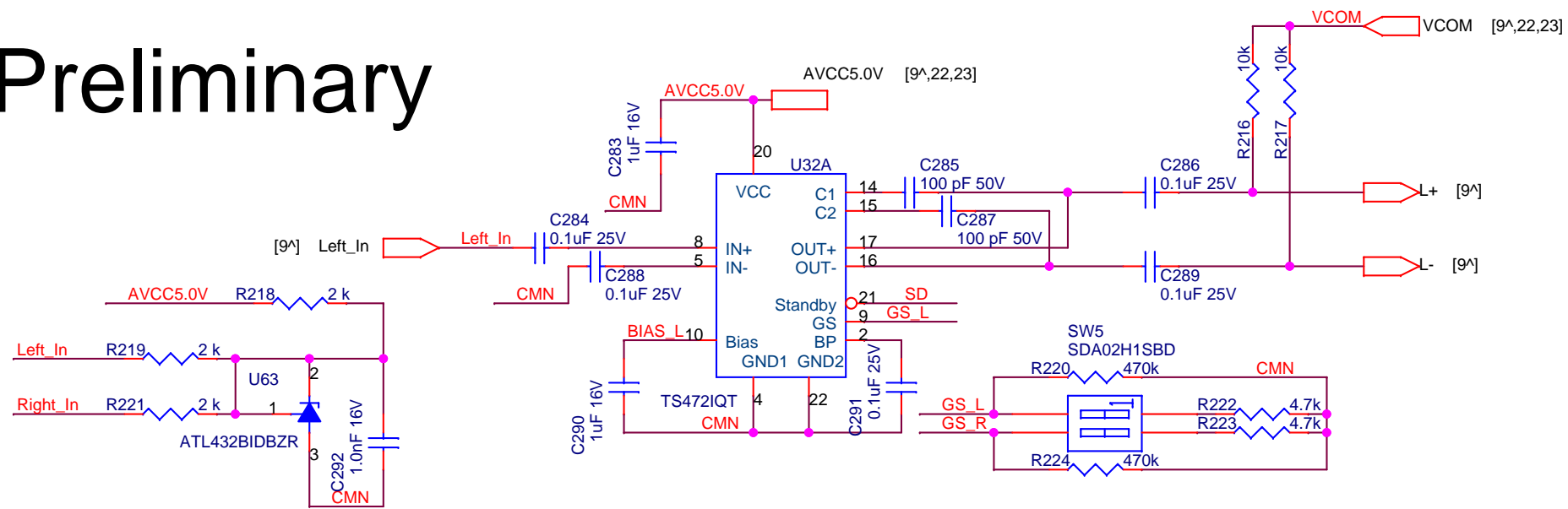
1 ON	+20 dB Left channel
1 OFF	0 dB Left channel
2 ON	+20 dB Right channel
2 OFF	0 dB Right channel



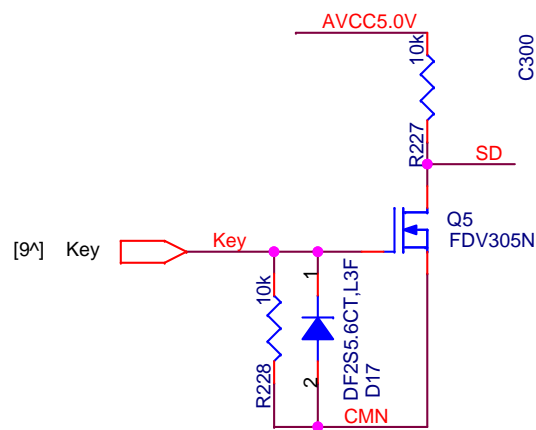
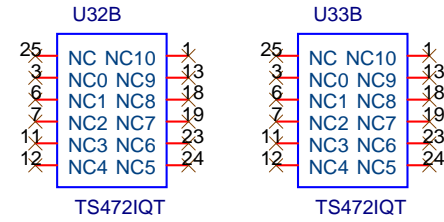
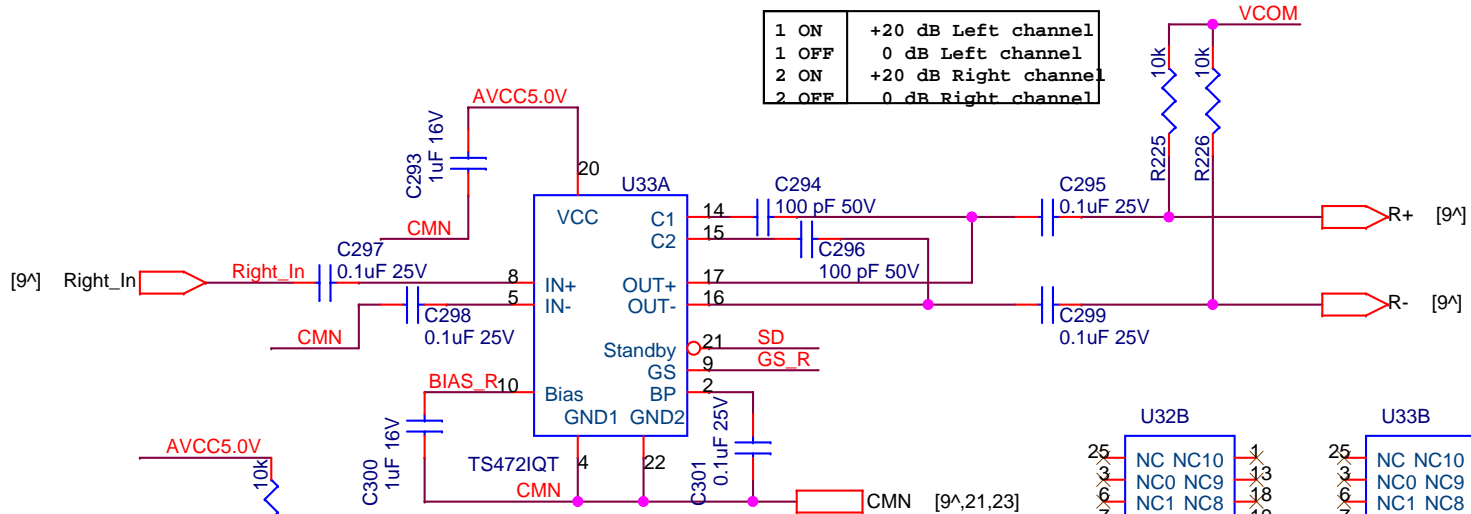
<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M03	2.9a
Date:	Friday, June 30, 2017	Sheet 22 of 28

Preliminary



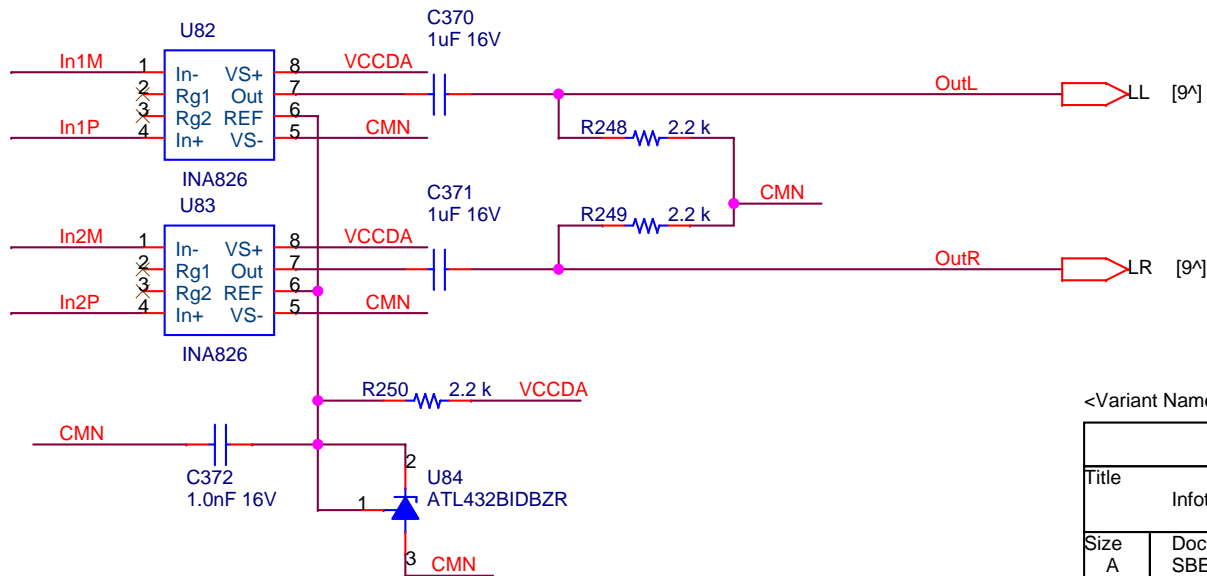
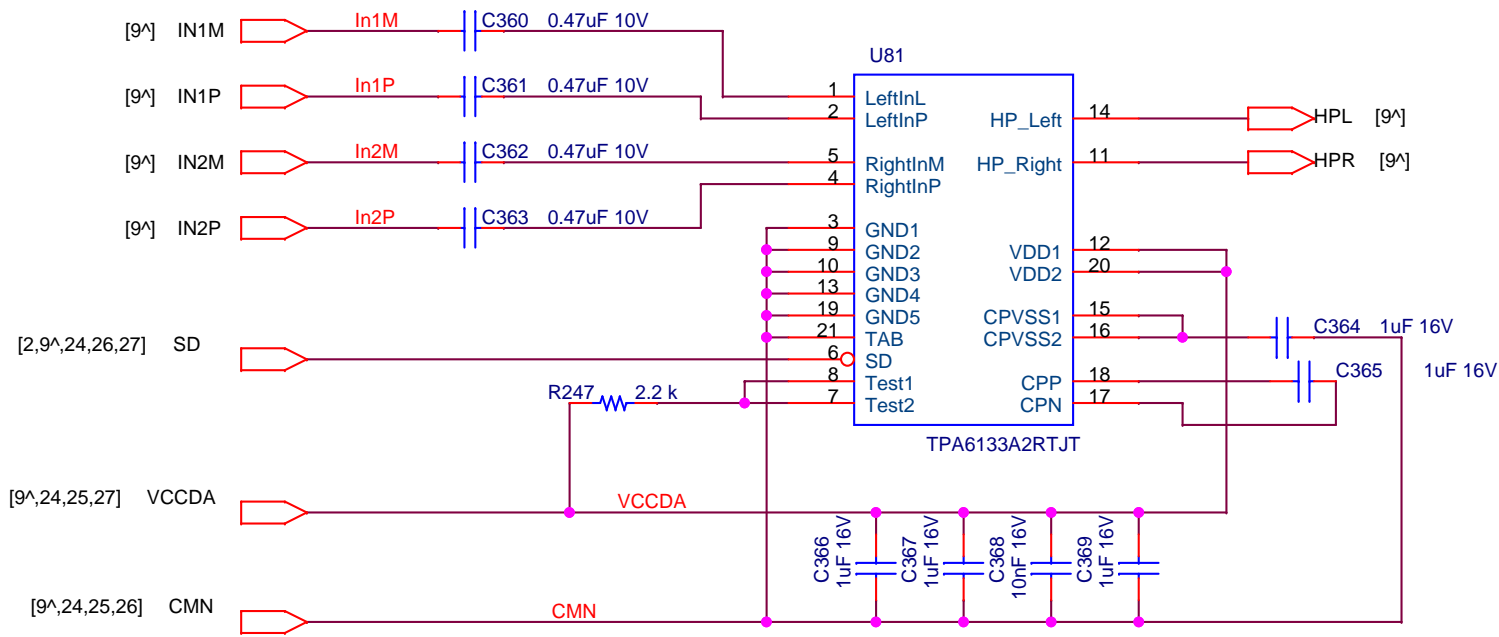
1 ON	+20 dB Left channel
1 OFF	0 dB Left channel
2 ON	+20 dB Right channel
2 OFF	0 dB Right channel



<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M03	2.9a
Date:	Friday, June 30, 2017	Sheet 23 of 28

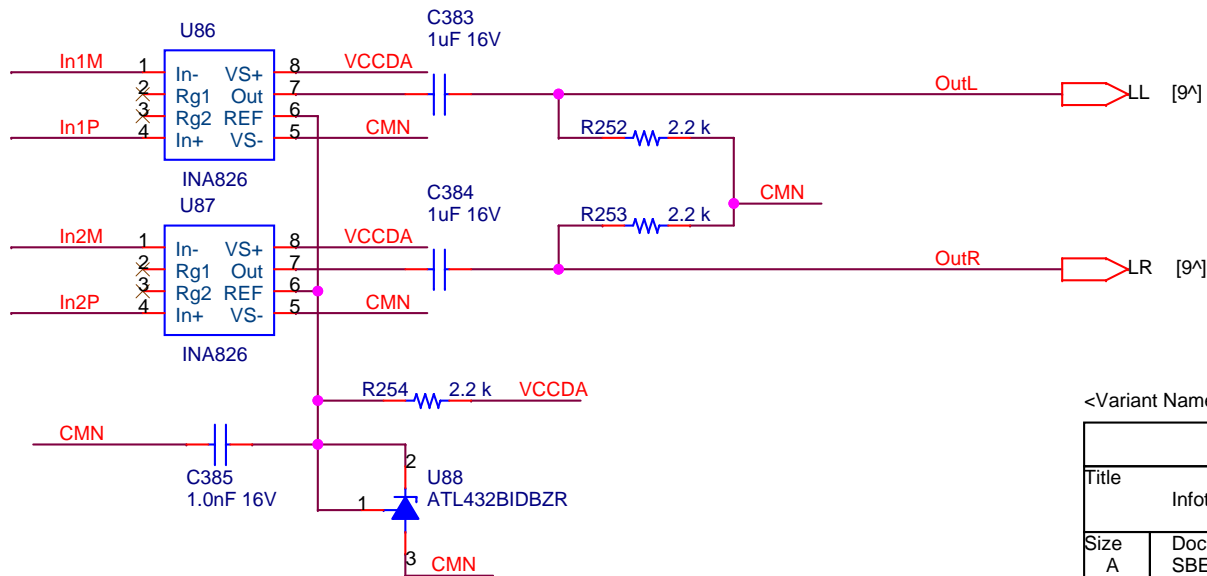
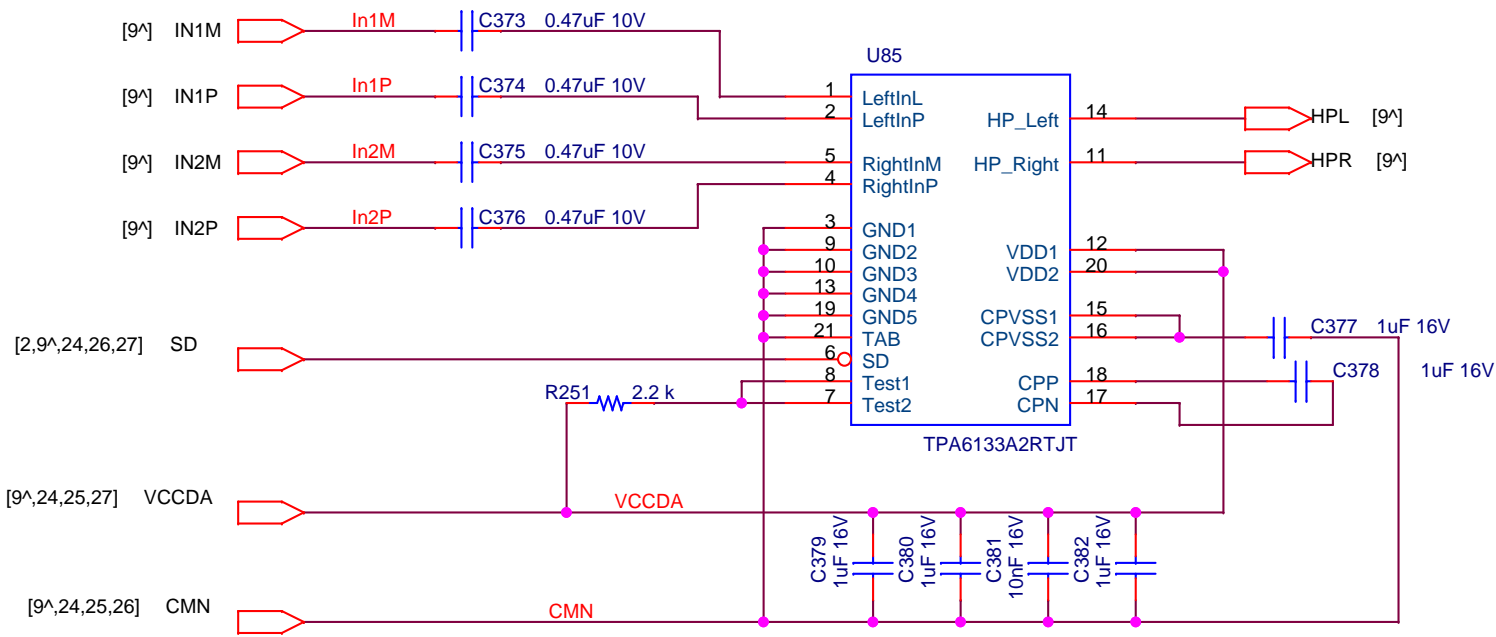
Preliminary



<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M03	2.9a
Date:	Friday, June 30, 2017	Sheet 24 of 28

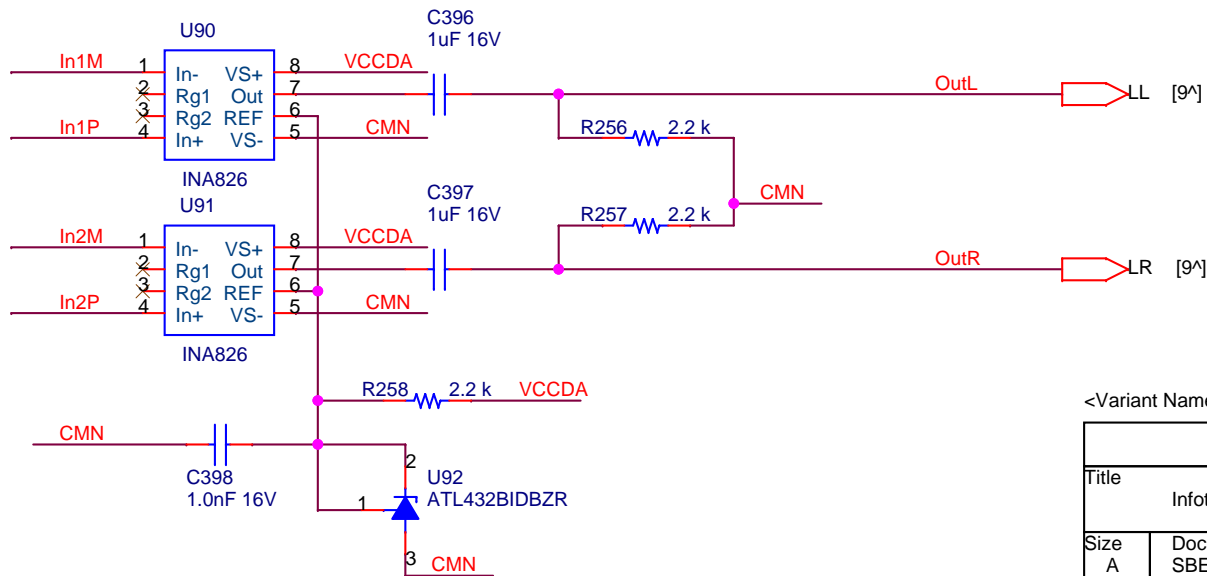
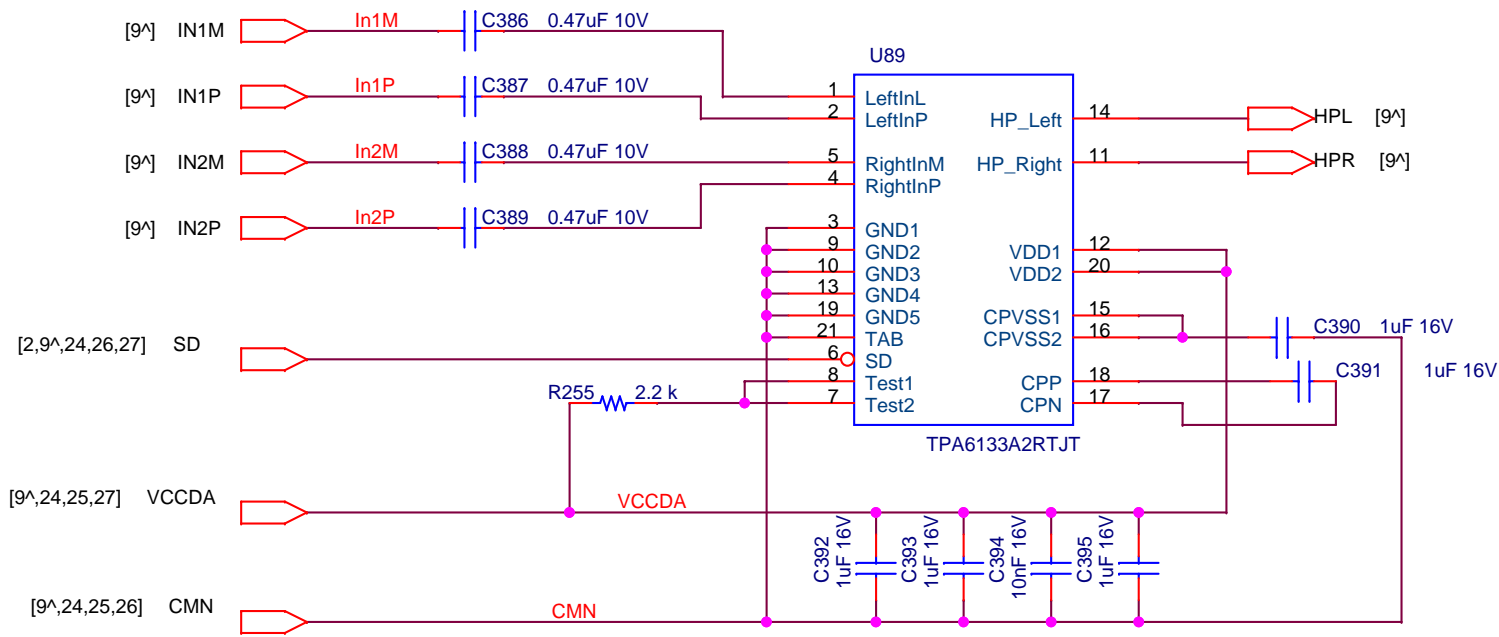
Preliminary



<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M03	2.9a
Date:	Friday, June 30, 2017	Sheet 25 of 28

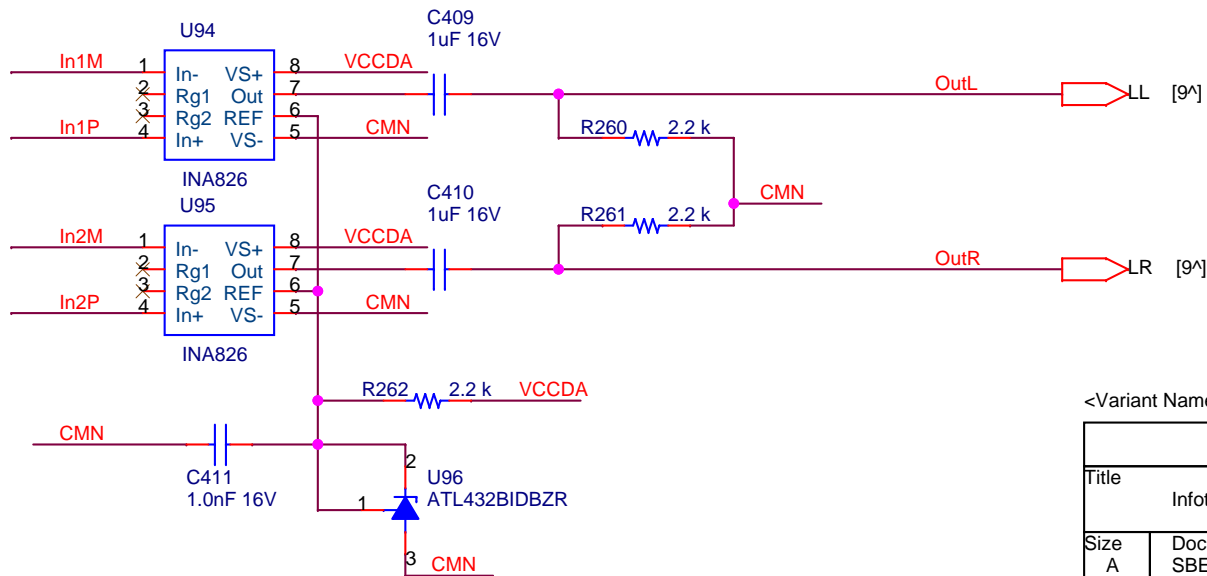
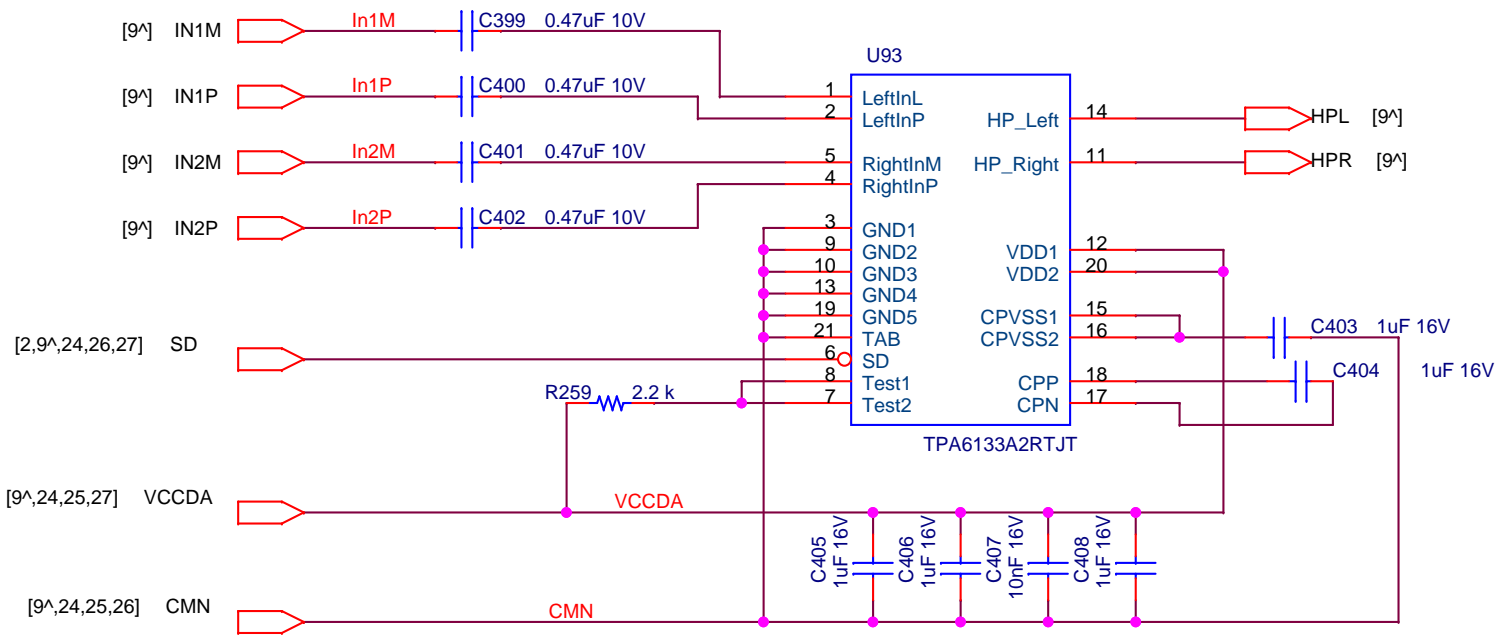
Preliminary



<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M03	2.9a
Date:	Friday, June 30, 2017	Sheet 26 of 28

Preliminary

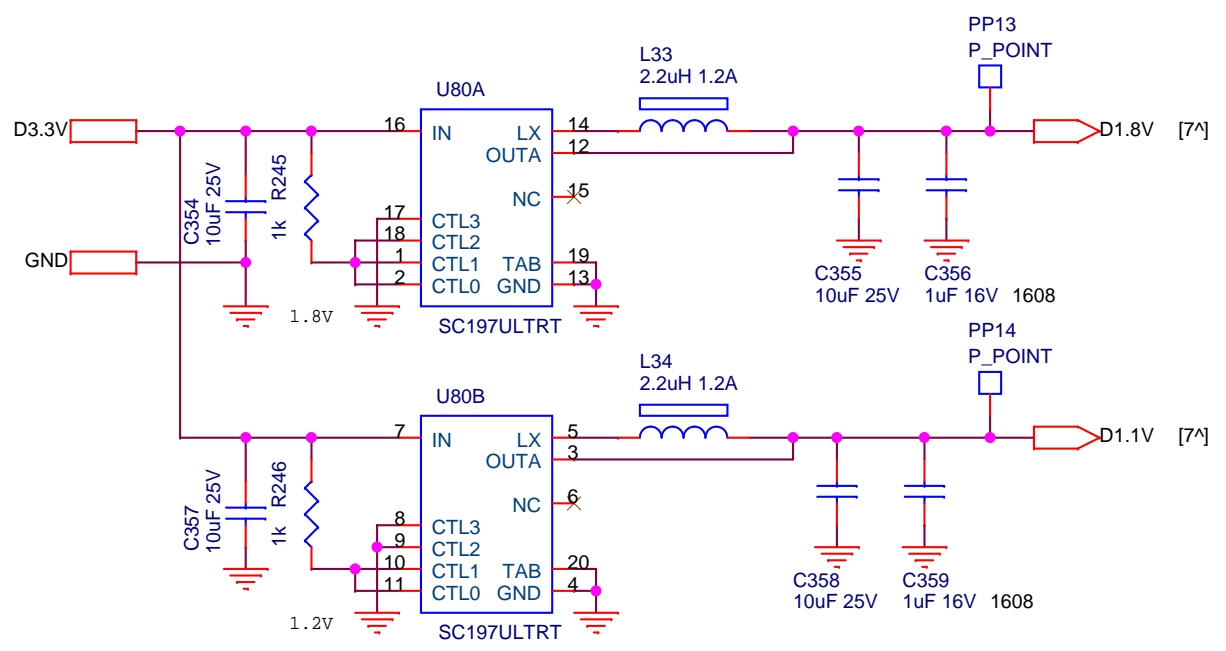


<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M03	2.9a
Date:	Friday, June 30, 2017	Sheet 27 of 28

[2,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20]

[2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20]



<Variant Name>

Title		
Infotainment Carrier Board Full Function (for Renesas R-Car Starter Kit)		
Size	Document Number	Rev
A	SBEV-RCAR-KF-M03	2.9a
Date:	Friday, June 30, 2017	Sheet 28 of 28