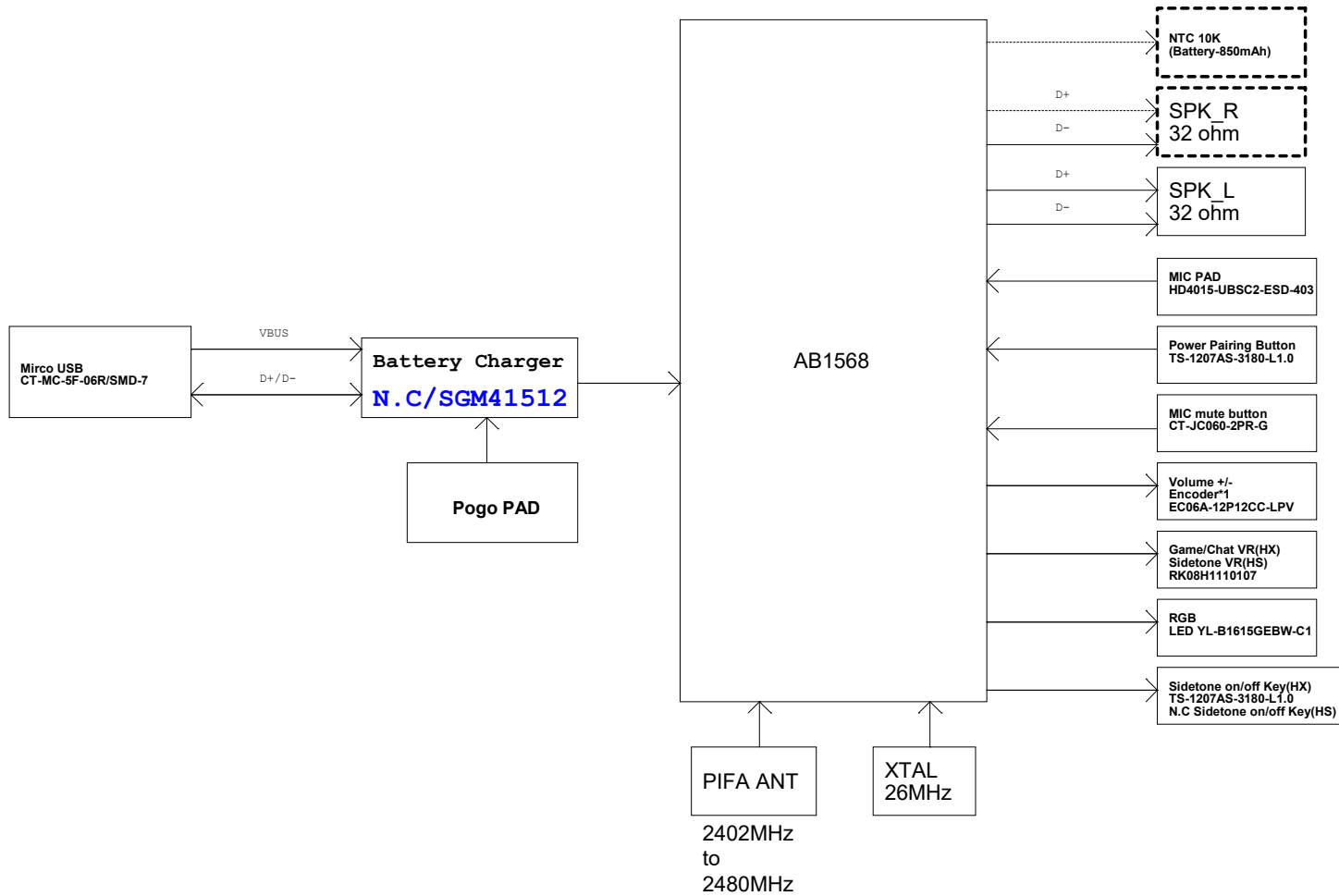
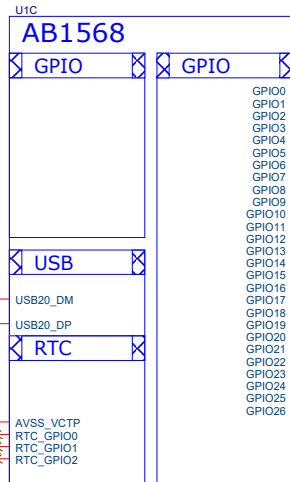
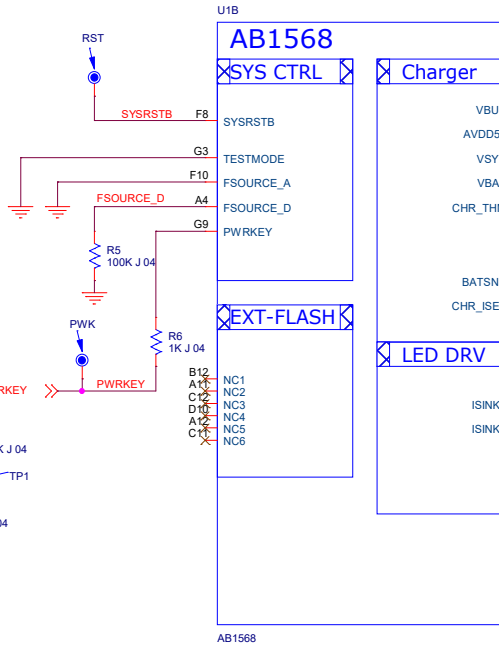
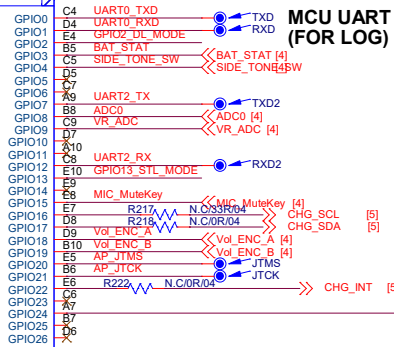






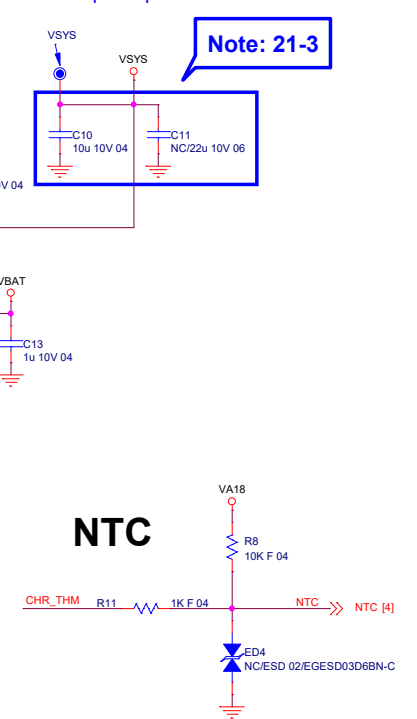
AB1568



AB1568

Note 21-3: VSYS pin cap = 22uF if CV>4.3V
VSYS pin cap = 10uF if CV<=4.3V

Note: 21-3



SLT Mode

GPIO13: SLT mode

0: normal

1: SLT

The SLT mode is for debug uasge in Airoha side only.

Please keep GPIO13 floating.

DL Mode and DSP Dump Pin

GPIO2: DL mode

0: no USB download

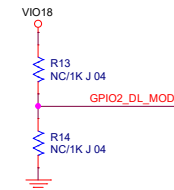
1: USB download

Reserve the test point if needs DL mode.

Please keep GPIO2 floating if don't need DL mode.

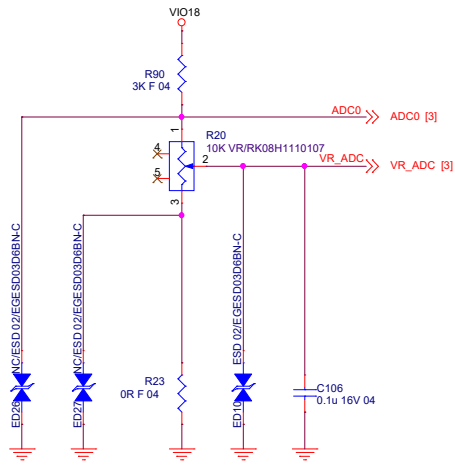
GPIO2: SPDIF Dump

Reserve the test point if needs DSP dump via SPDIF

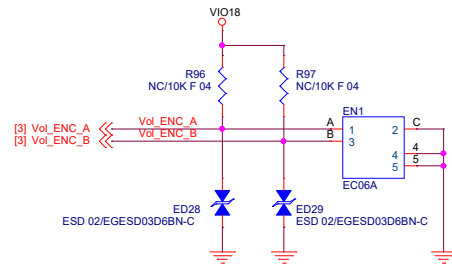


Approved by	Checked by	Designer	<OrgName>	
Eddie	Carl	Boyce	Project Number	AMPACS CORPORATION
			RIG800ProAB_HX_RX_L	
			Size	Rev
			Custom	A
			Title	
			AB1568_Power	
			Date: Monday, January 10, 2022	Sheet 3 of 7

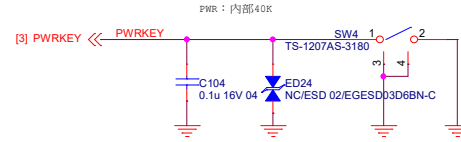
HX:GAME/CHAT VR
HS: Side Tone VR



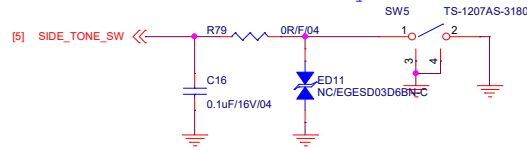
VOLUME ENCODER



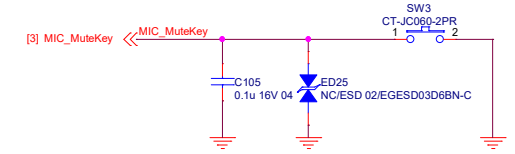
POWER/Pairing Key



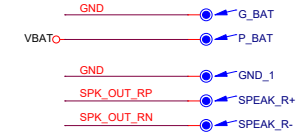
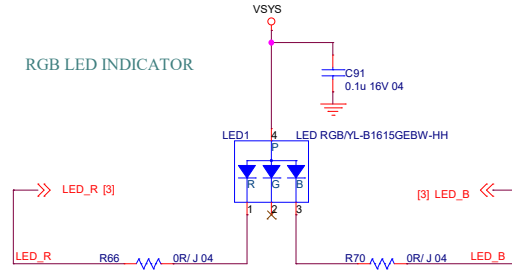
HX: Side Tone on/off Key
HS: N.C Side Tone on/off Key



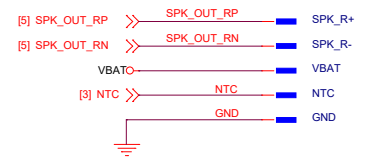
MIC Mute Key



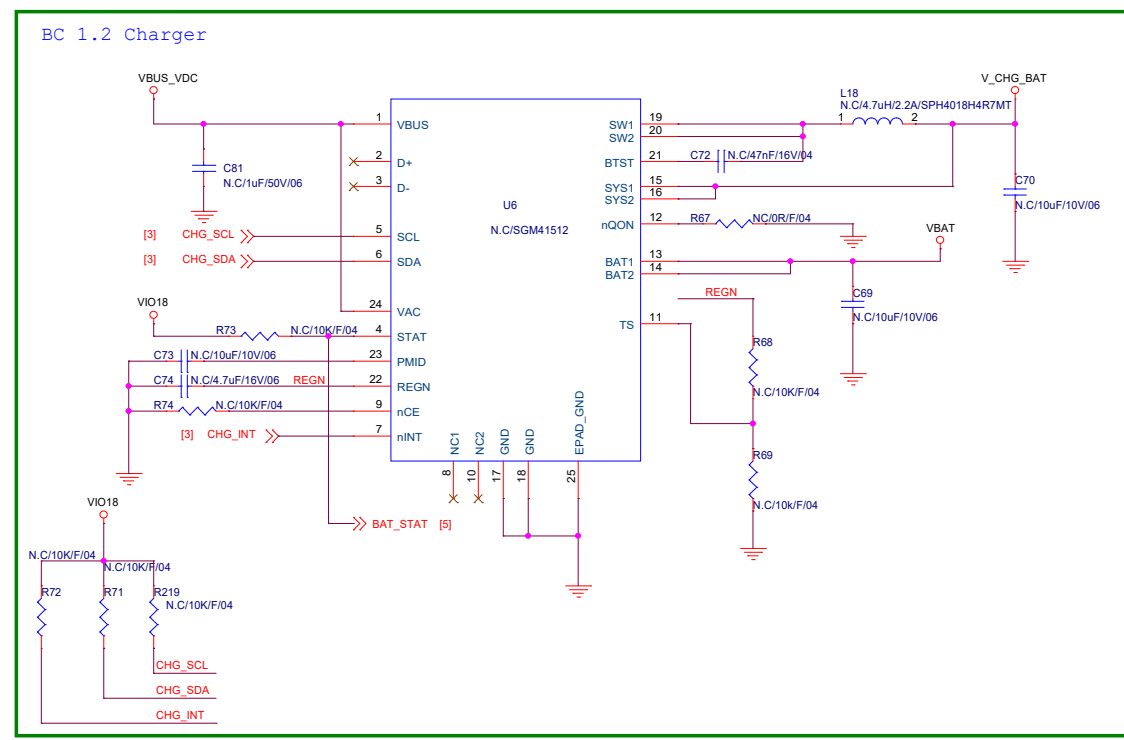
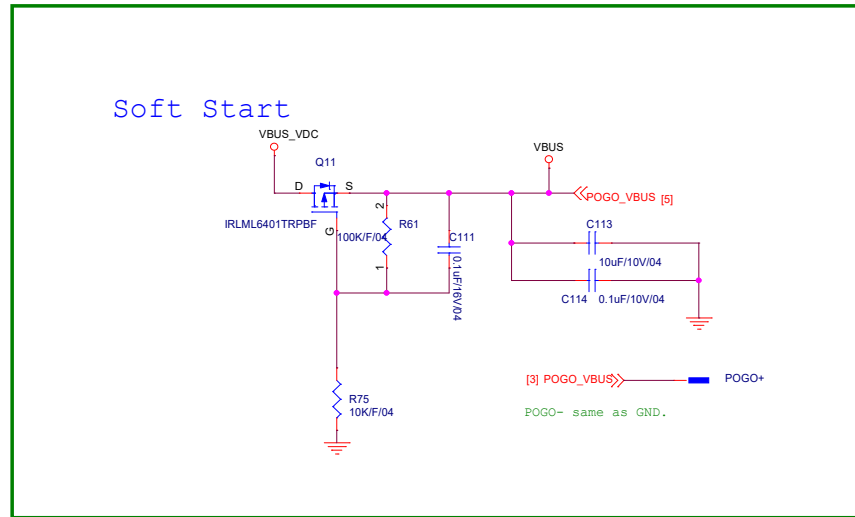
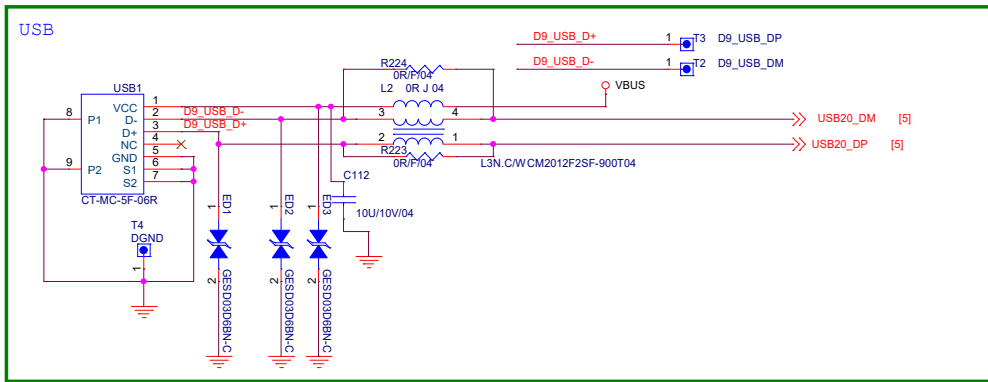
RGB LED INDICATOR



6 SIGNALS PAD FOR HEADBAND WIRE



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Eddie	Carl	Boyce	Project Number	AMPACS CORPORATION
			RIG800ProAB_HX_RX_L	
			Size	Rev
			Custom	A
			AB1568_IO	
			Date: Friday, March 18, 2022	Sheet 4 of 7



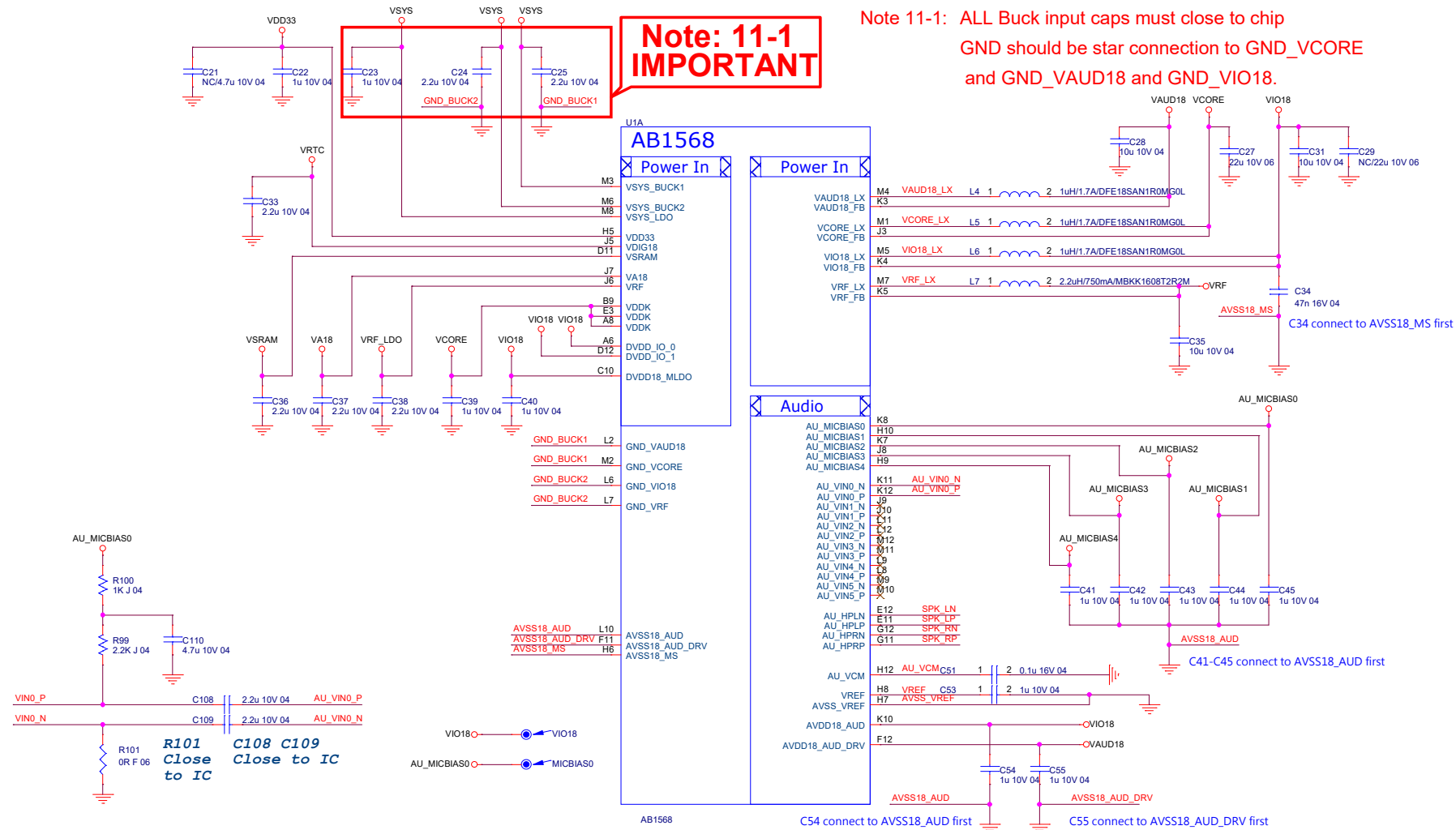
< 0 degree C and > 60 degree C: Stop charging
 0 degree C ~ 10 degree C : Icc*0.2 or Icc*0.5, according REG05 D[0] setting, 0.75A or 0.3A in your case
 10 degree C ~ 45 degree C : Icc, 1.5A in your case
 45 degree C ~ 60 degree C : maximum Vout = CV-0.1V

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Eddie	Carl	Boyce	Project Number	AMPACS CORPORATION
			RIG800 ProAB_HX_RX_L	
			Size	Rev
			C	A
			Title	
			Power	
			Date: Monday, January 10, 2022	Sheet 5 of 7

Note: 11-1
IMPORTANT

Note 11-1: ALL Buck input caps must close to chip

GND should be star connection to GND_VCORE
and GND_VAUD18 and GND_VIO18.



MIC

ESD Close to PAD

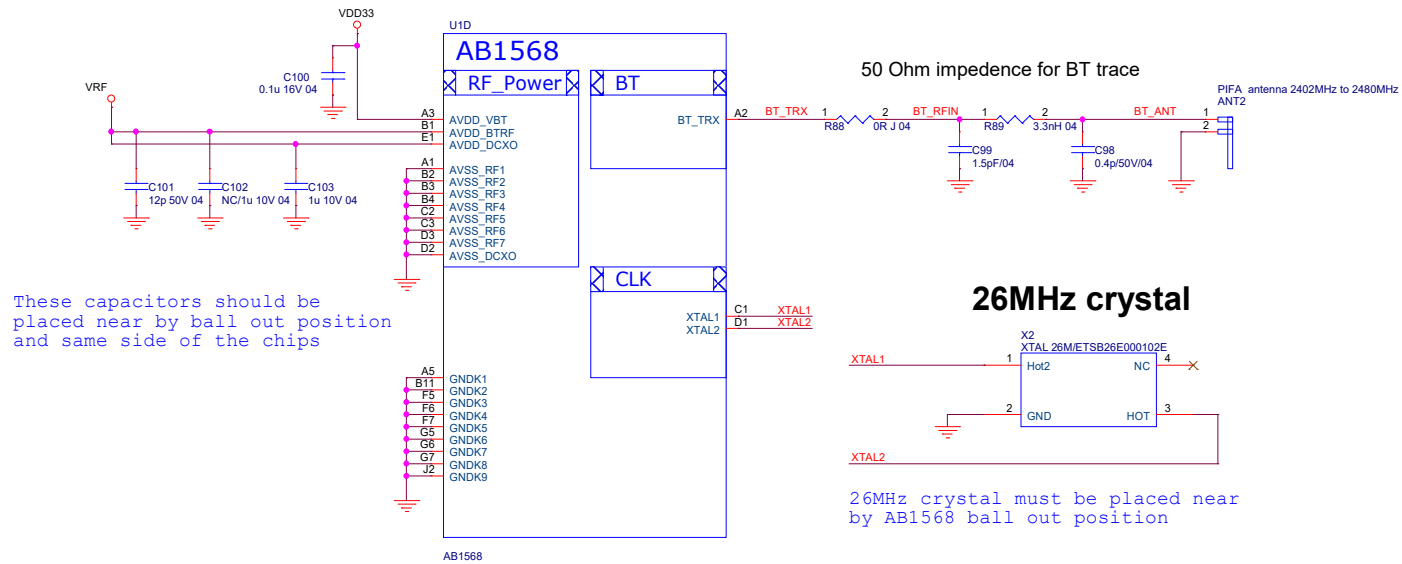
LEFT SIDE SPEAKER

RIGHT SIDE SPEAKER

Close to chip

For class D: C61~C64, R42~R45 NC
For class AB & G: C61~C64, R42~R45 should be mounted

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Eddie	Carl	Boyce	Project Number	AMPACS CORPORATION
			Size	AB1568_Audio
			Custom	Rev A
			Date: Tuesday, December 21, 2021 Sheet 6 of 7	



Approved by	Checked by	Designer	<OrgName>		
Eddie	Carl	Boyce	Project Number RIG800ProAB_HX_RX_L		
			Size Custom	Title AB1568_RF	Rev A
			Date: Friday, February 25, 2022		Sheet 7 of 7

