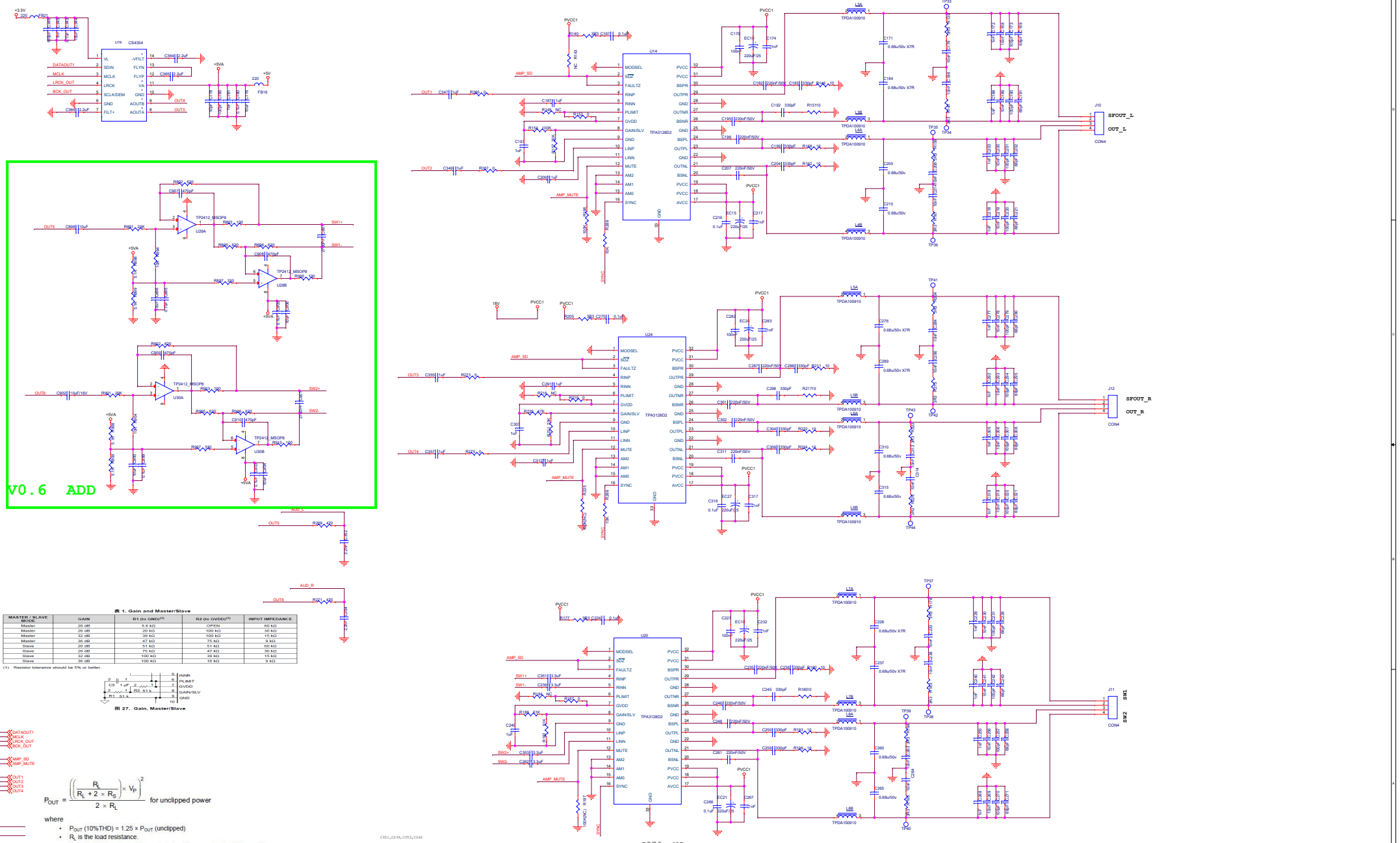

表 1. Gain and Master/Slave

MASTER / SLAVE MODE	GAIN	R1 (to GND)(1)	R2 (to GVDD)(1)	INPUT IMPEDANCE
Master	20 dB	5.6 kΩ	OPEN	60 kΩ
Master	26 dB	20 kΩ	100 kΩ	30 kΩ
Master	32 dB	39 kΩ	100 kΩ	15 kΩ
Master	36 dB	47 kΩ	75 kΩ	9 kΩ
Slave	20 dB	51 kΩ	51 kΩ	60 kΩ
Slave	26 dB	75 kΩ	47 kΩ	30 kΩ
Slave	32 dB	100 kΩ	39 kΩ	15 kΩ
Slave	36 dB	100 kΩ	16 kΩ	9 kΩ

(1) Resistor tolerance should be 5% or better.

图 27. Gain, Master/Slave

$$P_{OUT} = \frac{\left(\left(\frac{R_L}{R_L + 2 \times R_S}\right) \times V_P\right)^2}{2 \times R_L}$$ for unclipped power

where

- P_{OUT} (10%THD) = 1.25 × P_{OUT} (undipped)
- R_L is the load resistance.
- R_S is the total series resistance including $R_{DS(on)}$ and output filter resistance.
- V_P is the peak amplitude
- V_P = 4 × PLIMIT voltage if PLIMIT < 4 × V_P

C351,C239,C353,C242

C370 NC

Title	EB1901-Musicstation
	Main board
Size: D	Document Number: AMP
Rev: 0.6	
Date: Thursday, January 02, 2020	Sheet 5 of 5