

EXT. SPK. AMP.

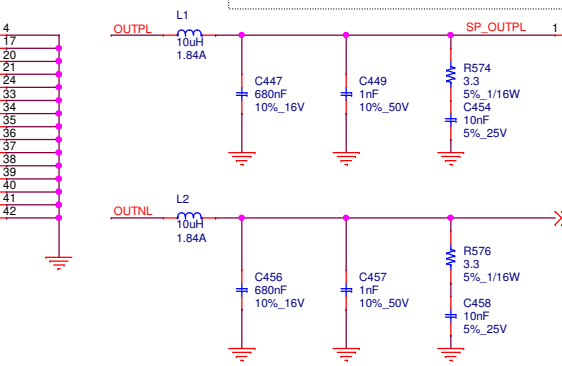
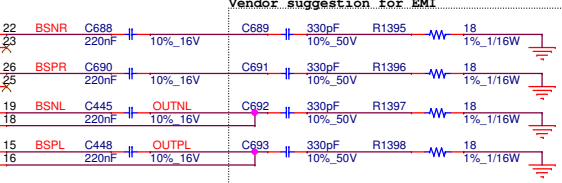
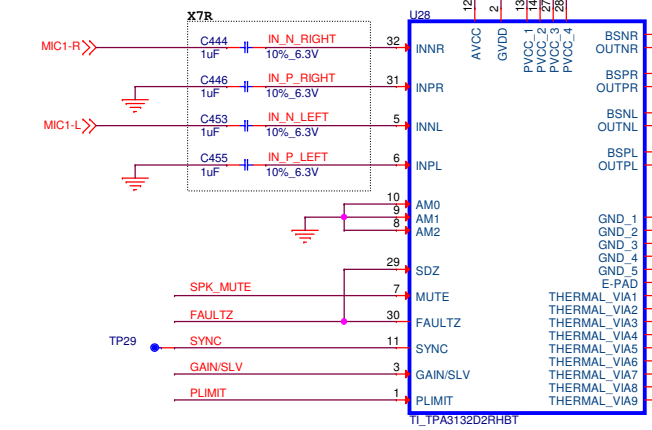
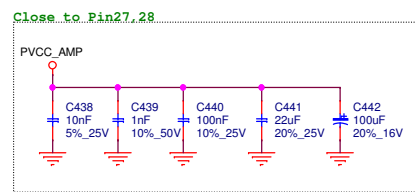
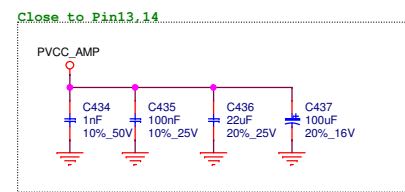
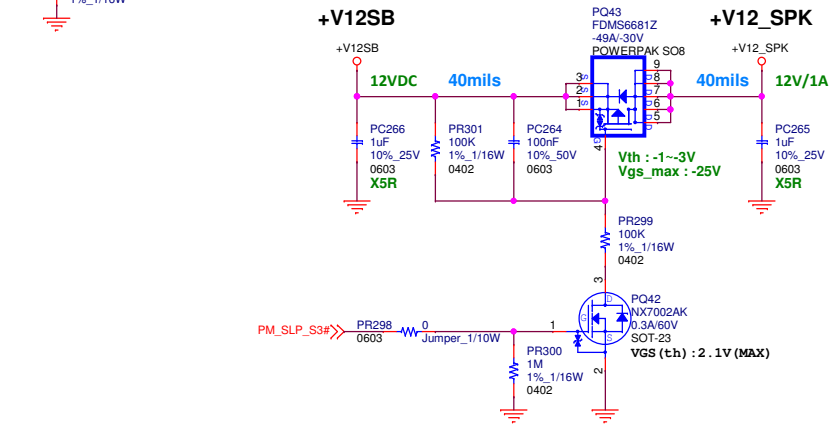
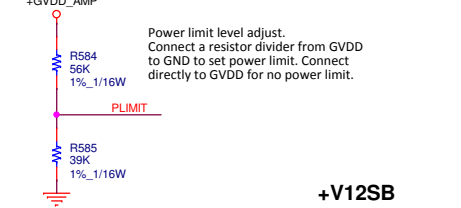
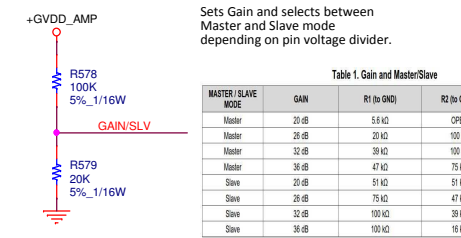
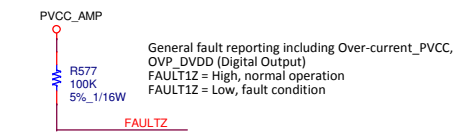
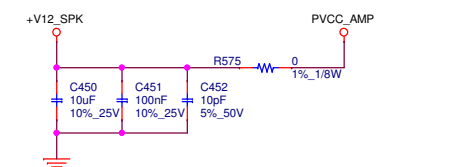
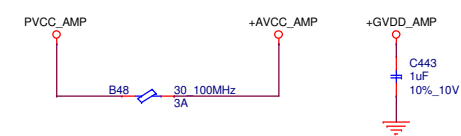


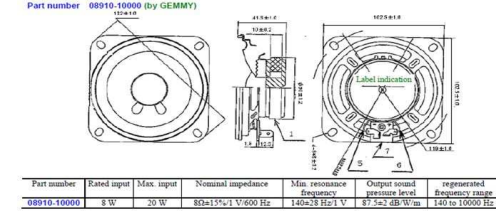
Table 1. Gain and Master/Slave

MASTER / SLAVE MODE	GAIN	R1 (to GND)	R2 (to GVDD)	INPUT IMPEDANCE
Master	20 dB	5.6 kΩ	OPEN	60 kΩ
Master	25 dB	22 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	25 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

MINIMUM PV _{CC} (V)	PART NUMBERS	PLIMIT VOLTAGE (V) ⁽¹⁾	R to GND	R to GVDD	OUTPUT POWER 8Ω (W)
7.4 V	TPA3131D2, TPA3132D2	1.85	27 kΩ	75 kΩ	4
12 V	TPA3132D2	2.87	39 kΩ	56 kΩ	10
19 V	TPA3132D2	4.26	56 kΩ	36 kΩ	25

High active (High: MUTE)
Mute signal for fast disable/enable of outputs:
HIGH = outputs OFF (high-Z),
LOW = outputs ON.
TTL logic levels with compliance to AVCC.

SPK. Module: (Komatsu Device)



Part number	Rated input	Max. input	Nominal impedance	Min. resonance frequency	Output sound pressure level	registered frequency range
08910-10000	8 W	20 W	8Ω±15% 1 V/600 Hz	140±3 Hz/1 V	87±2 dB/W/m	140 to 10000 Hz

CN1-Main 32pin
PCB SIDE: C91-533726-32S
CABLE SIDE: PT06E-18-32P (023)

CN2-Main 19pin
PCB SIDE: C91-533724-19S
CABLE SIDE: PT06E-14-19P (023)

