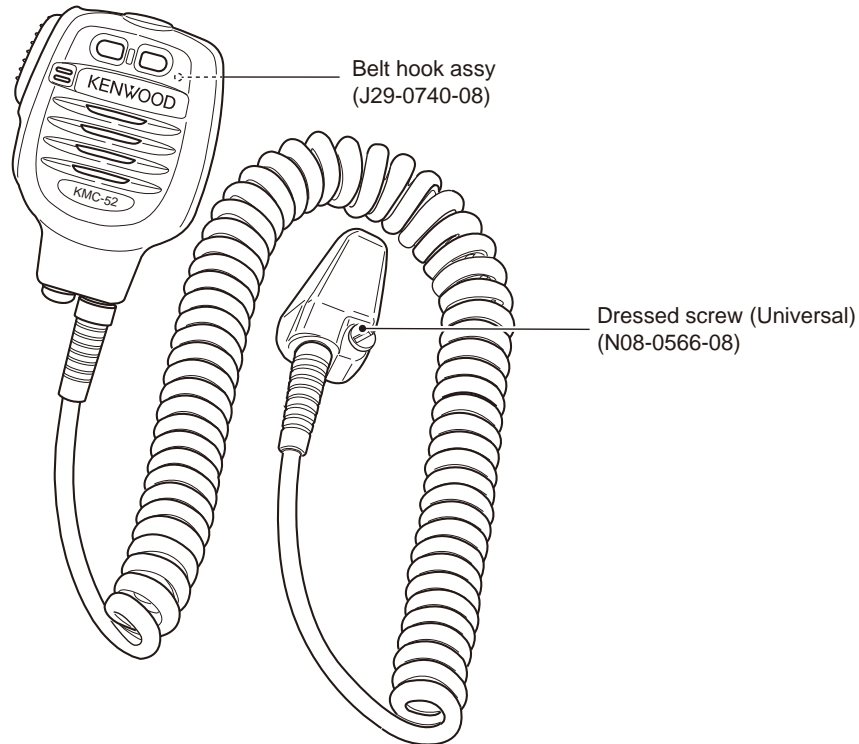


SPEAKER MICROPHONE
KMC-52
SERVICE MANUAL

KENWOOD

JVC KENWOOD Corporation

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SPECIFICATIONS

General

Operating temperature range
.....-30°C ~ +60°C (-22°F ~ +140°F)

Microphone

Impedance600Ω (MAX)
Sensitivity-39dB ±3.5dB at 1kHz

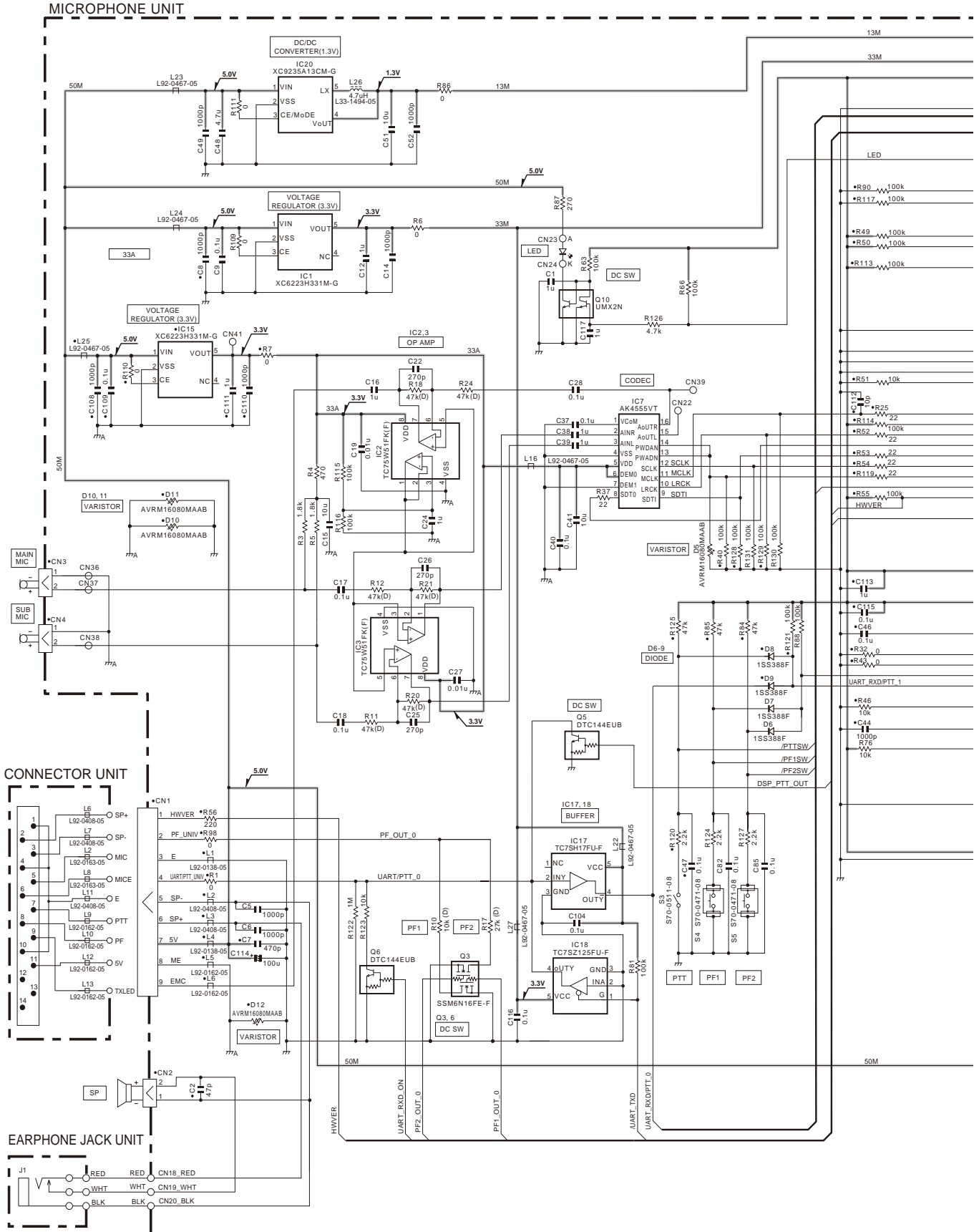
Speaker

Impedance16Ω ±15% at 1.2kHz
Rating input 0.8W
Maximum input 1.6W
Dimensions (W x H x D)
..... 67.8 x 91.5 x 43.3 mm (2.67 x 3.60 x 1.70 in)
Weight Approx. 260g/9.2oz



KMC-52

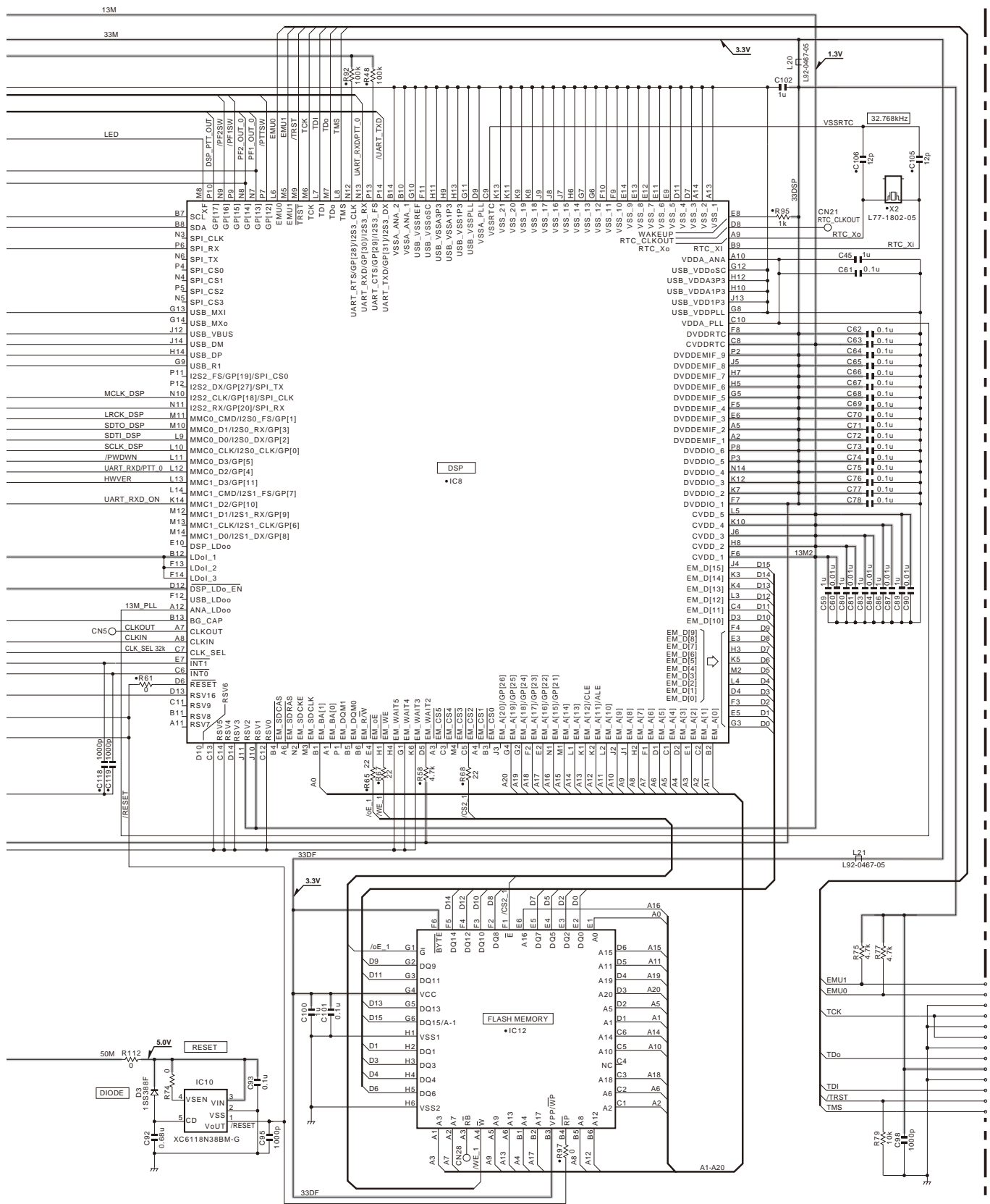
SCHEMATIC DIAGRAM



SCHEMATIC DIAGRAM

KMC-52

MICROPHONE UNIT



KMC-52

NOISE CANCELLATION OPERATION CHECK METHOD

Check the noise cancellation operation according to the following procedures.

■ Preparation

Procedure 1. Prepare the two transceivers (transmitting side and receiving side) and one microphone. (The receiving side can also use the radio communication tester, etc..)

Procedure 2. Set the two transceivers so that they can communicate.

Procedure 3. Connect the microphone to the universal connector on the transmitting transceiver.

Procedure 4. Press the PTT switch of the microphone (the transceiver will transmit if the LED lights up).

■ Checking the main microphone

Procedure 5. Blow into the front side microphone hole, from a distance of 3 to 4 cm (1.18 to 1.57 inches).

[Expected Result]

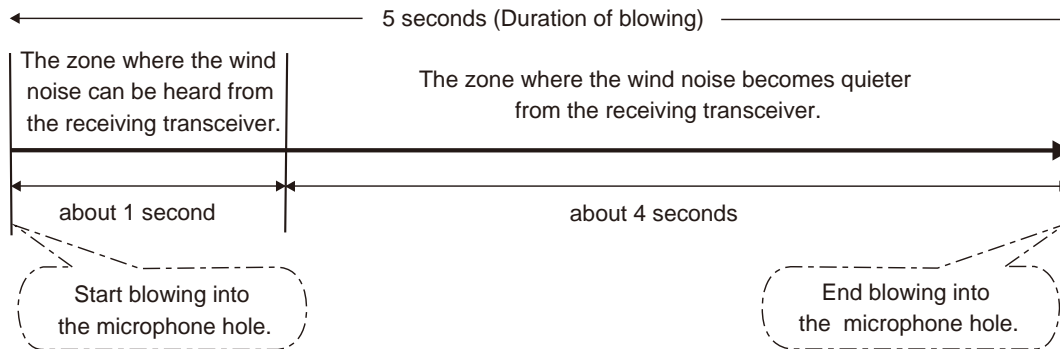
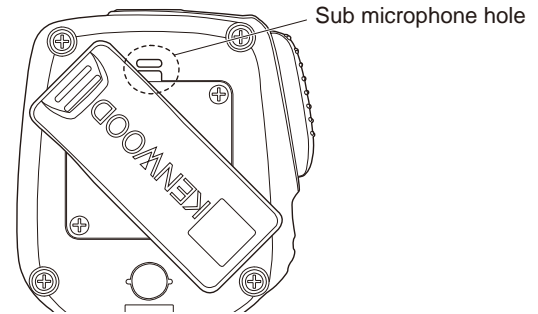
It is OK if you can hear a wind noise from the speaker of the receiving transceiver.

■ Checking the sub microphone

Procedure 6. Blow into the rear side microphone hole for 5 seconds, from a distance of 3 to 4 cm (1.18 to 1.57 inches).

[Expected Result]

You can hear a wind noise from the speaker of the receiving transceiver for about 1 second. Then, it is OK if the wind noise level becomes quieter.



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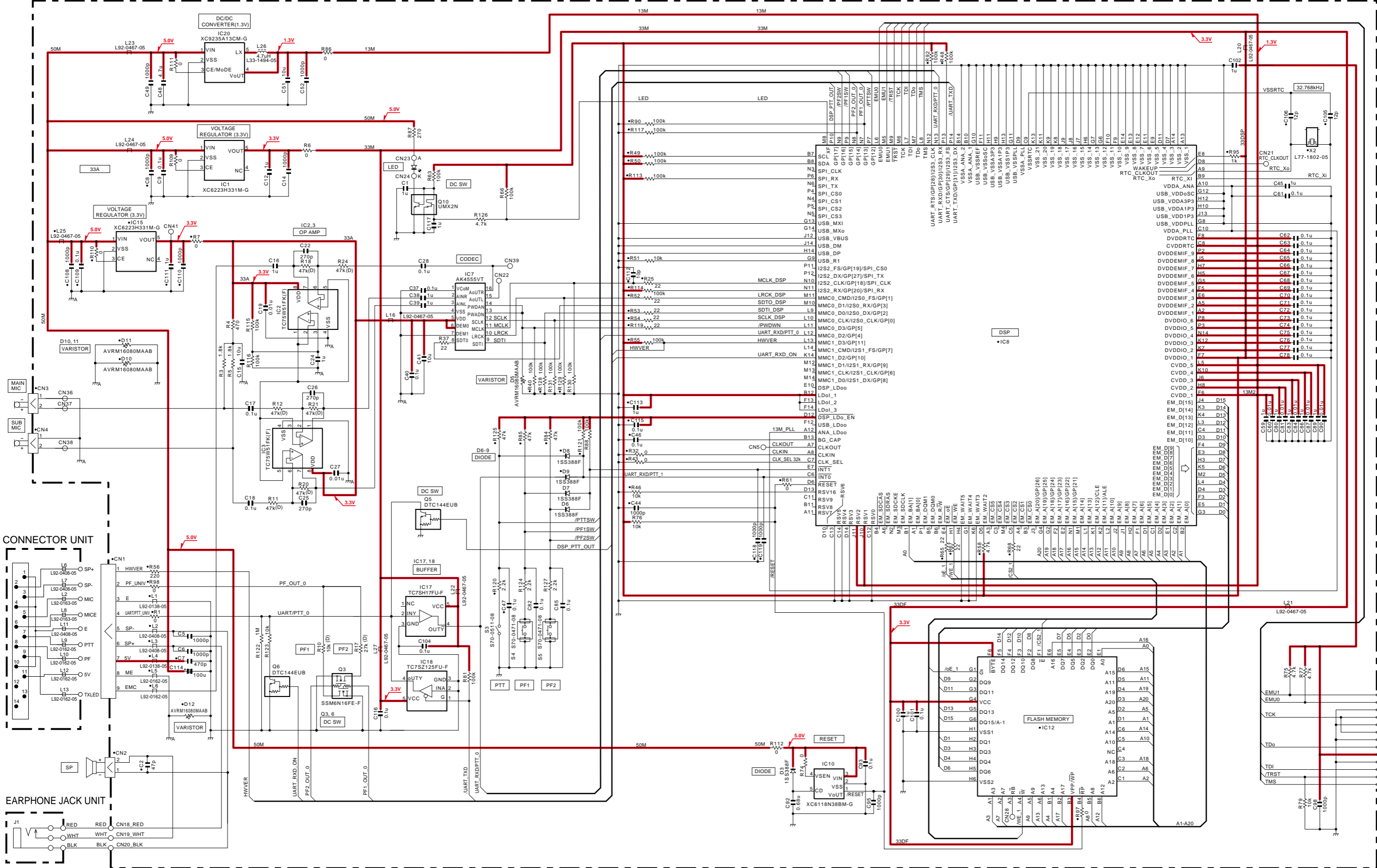
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Tsuen Wan, New Territories, Hong Kong

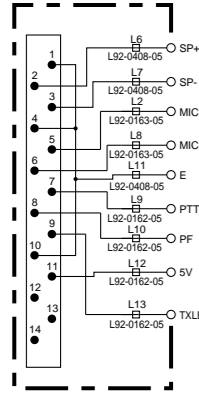
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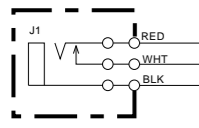
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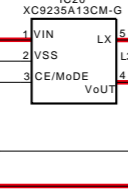
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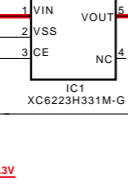
EARPHONE JACK UNIT



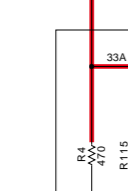
DC/DC CONVERTER(1.3V)



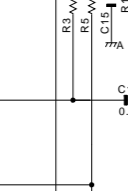
VOLTAGE REGULATOR (3.3V)



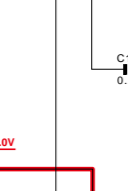
VOLTAGE REGULATOR (3.3V)



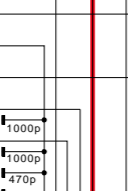
OP AMP



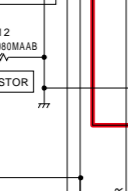
CODEC



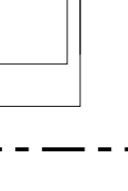
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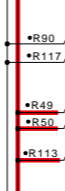
DC SW



DC SW



LED



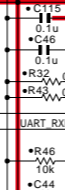
LED



LED



LED



LED



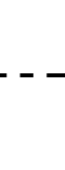
LED



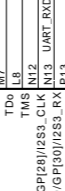
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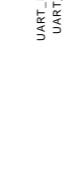
LED



DSP



DSP



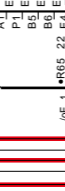
DSP



DSP



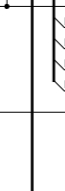
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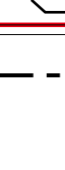
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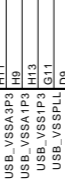
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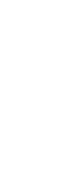
DSP



FLASH MEMORY



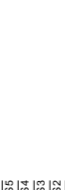
FLASH MEMORY



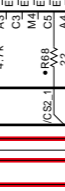
FLASH MEMORY



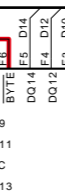
FLASH MEMORY



FLASH MEMORY



FLASH MEMORY



FLASH MEMORY



FLASH MEMORY

