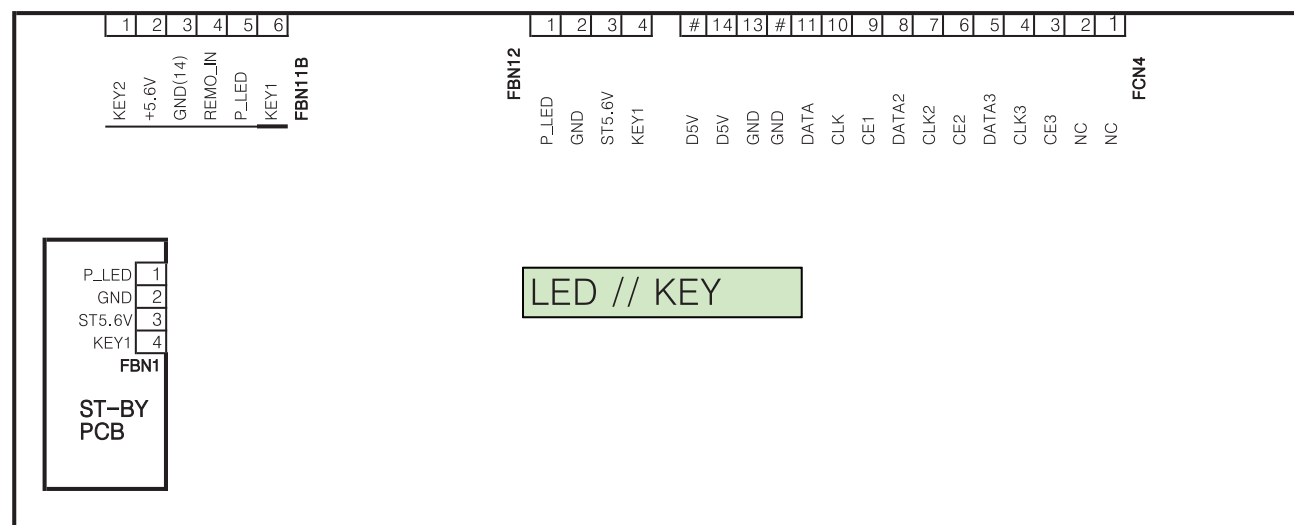
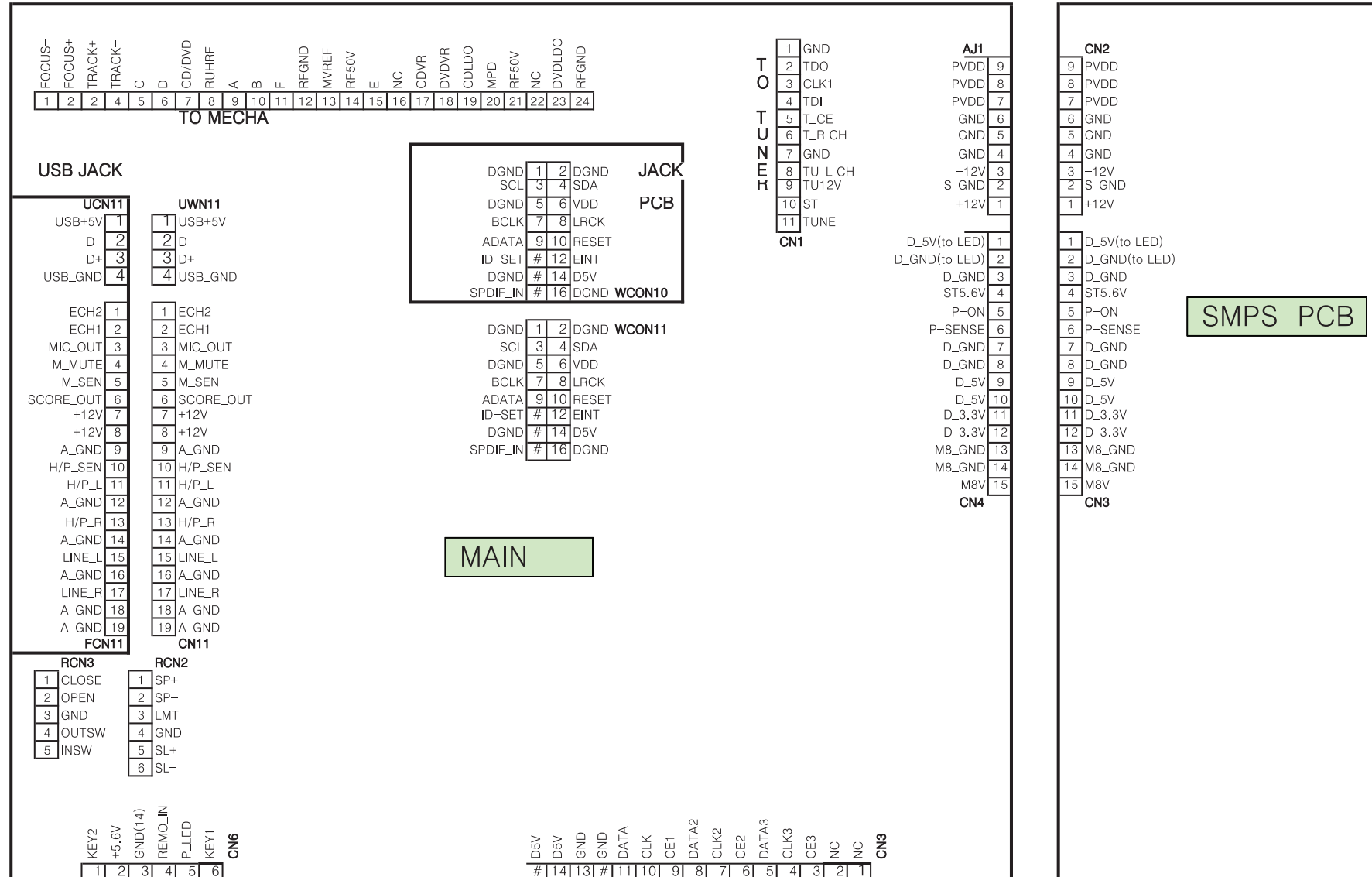
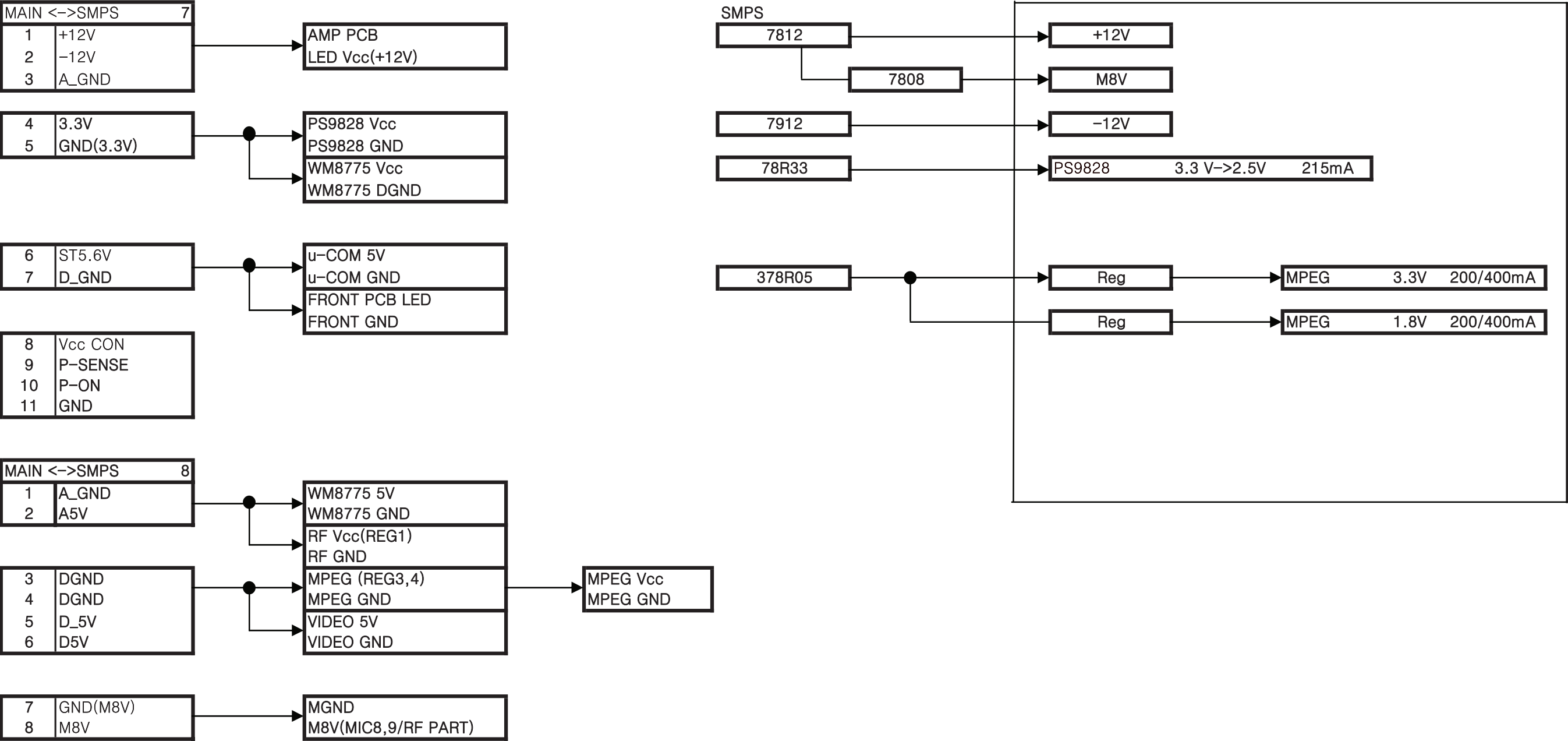


10. Wiring Diagram

1. Wire Sheet





4. SMPS

1.SCOPE

| SMPS Block | | | | | | Power Block | | | |
|----------------|---------------|-----------------------|--------|------|------------------------------|--------------|--------------|---------------|--|
| Output Voltage | Allowed Range | Required Current (mA) | | | Max Power Consumption (Watt) | Voltage (V) | Current (mA) | Allowed Range | Remarks |
| | | Save | Normal | Peak | | | | | |
| PC+31.5V | 5% | | 4000 | 8000 | 220.5 | +31.5(AMP) | 3500 | 5% | Amp Output : X250(5.1-CH) → 600Watt X200(2.1-CH) → 300Watt |
| PC+5V | 5% | | 30 | 100 | 0.5 | +5(LED) | 30 | 5% | Circuit dedicated to LED power is required (a circuit with separated GND and power lines) |
| PC+5V | 5% | | 400 | 700 | 3.5 | +5(DIGGITAL) | 400 | 5% | DIGITAL |
| PC+3.3V | 5% | | 1400 | 1600 | 4.95 | +3.3(MPEG) | 1400 | 5% | MPEG+PWM |
| AL+5.6 | 5% | | 400 | 400 | 2.24 | +5.6(MICOM) | 400 | 5% | MICOM |
| PC+8V | 5% | | 250 | 400 | 3.2 | +8(MOTOR) | 250 | 5% | MOTOR |
| PC+12V | 5% | | 300 | 400 | 4.8 | +12(ANALOG) | 300 | 5% | TUNER+OP_AMP+Fan |
| PC-12V | 5% | | 200 | 300 | 3.6 | -12(ANALOG) | 200 | 5% | OP_AMP |

2. INPUT CHARCTERISTICS

- 2.1 Input Voltage
- 2.1.1 Standard(Normal) input voltage : AC120V / AC230V
- 2.1.2 Input voltage range : AC96V ~ AC144V / AC176V ~ AC276V

| Input Range | Min. Voltage | Nor. Voltage | Max. Voltage | Input Current |
|-------------|--------------|--------------|--------------|---------------|
| Low Range | 96 VAC | 120 VAC | 144 VAC | |
| High Range | 176 VAC | 230 VAC | 276 VAC | |

- 2.2 Input Frequency
- 2.2.1 Standard input frequency : 50 Hz /60 Hz
- 2.2.2 Input frequency range : 47 Hz~63 Hz

3. Pin Assignment

| Pin No. | Output | | | | Input |
|---------|----------------|-------------------|--------------|-------------------------------|---------|
| | CN2(MAIN) | | CN3(AMP) | | CN1 |
| | Name | Remarks | Name | Remarks | Name |
| 1 | +12V | Analog +12V | L_5V | LED Power separated from D_5V | AC |
| 2 | A_GND | Analog GND | L_GND | LED GND separated from D_GND | AC |
| 3 | -12V | Analog -12v | U_GND | MICOM GND | |
| 4 | P_GND | Power Stage GND | U_5.6V | Micom Power | |
| 5 | P_GND | Power Stage GND | P_ON | POWER ON | |
| 6 | P_GND | Power Stage GND | P_SEN | POWER SENCE | |
| 7 | PVDD | Power Stage 31.5V | D_GND | Digital GND | |
| 8 | PVDD | Power Stage 31.5V | D_GND | Digital GND | |
| 9 | PVDD | Power Stage 31.5V | D_5V | Digital 5V | |
| 10 | | | D_5V | Digital 5V | |
| 11 | | | D_3.3V | Digital 3.3V | |
| 12 | | | D_3.3V | Digital 3.3V | |
| 13 | | | M_GND | Motor GND | |
| 14 | | | M_GND | Motor GND | |
| 15 | | | M_8V | Motor 8V | |
| Remarks | P=2.5mm, 22AWG | | P=2mm, 24AWG | | AC-CORD |

4. Pin Location

