7. Schematic Diagram

7-1. Circuit Descriptions
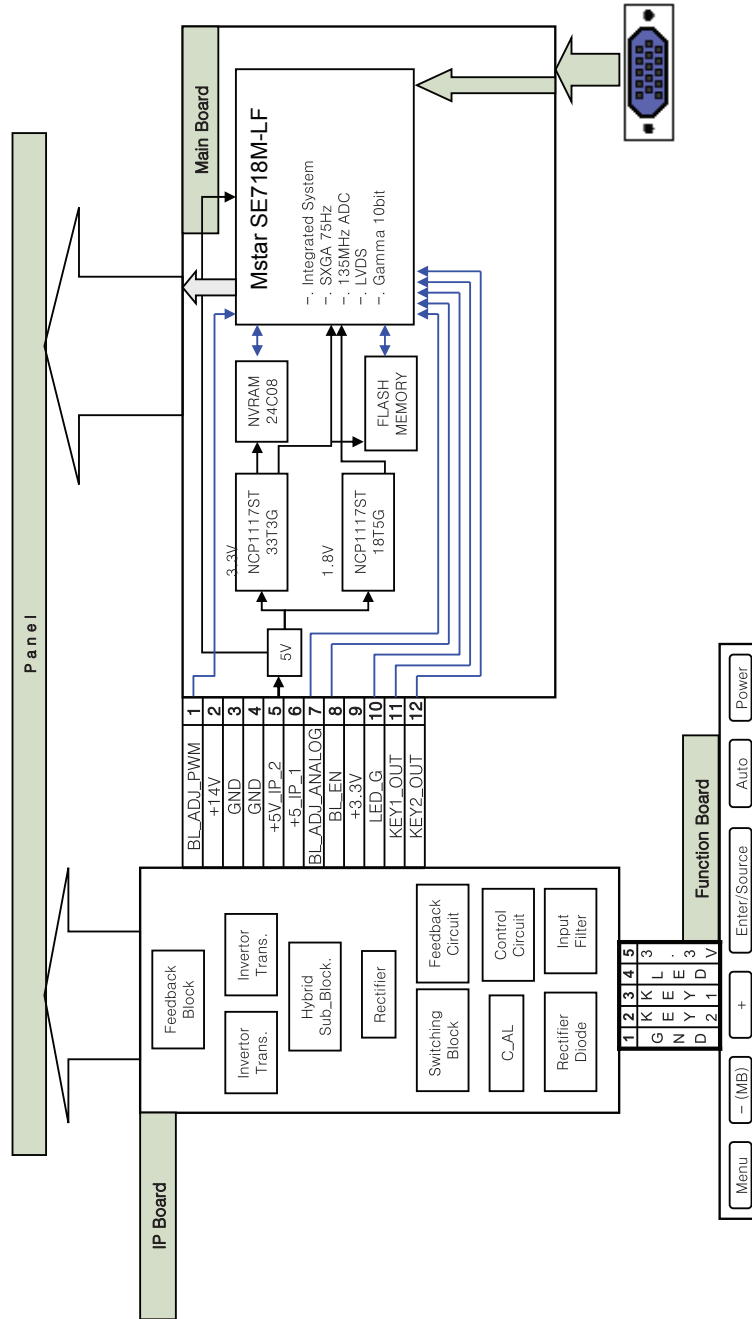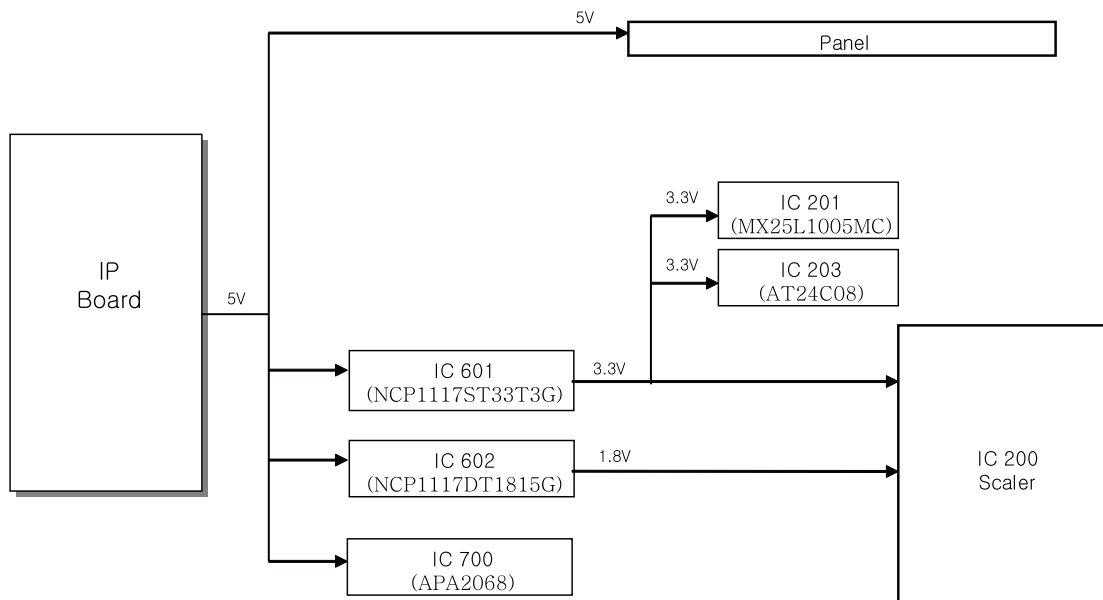

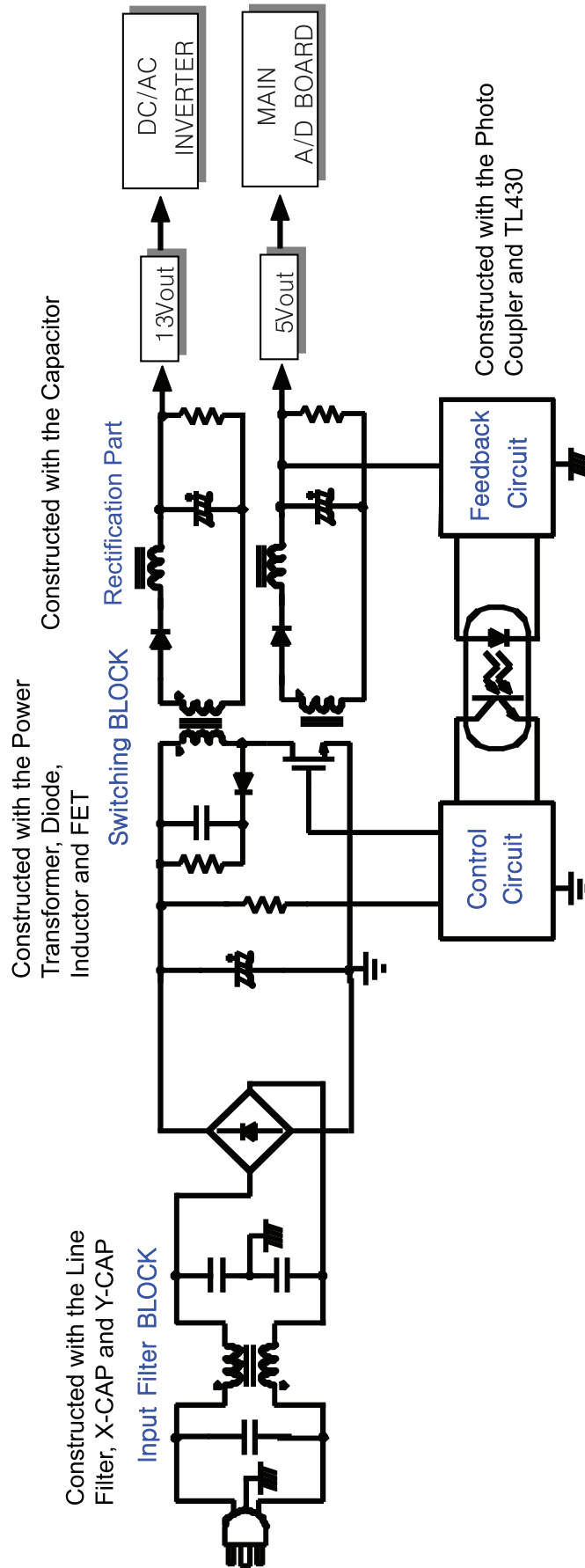| Location	Function	Remark
Scaler IC200	Besides the ADC, LVDS, and scaling part, an MCU is embedded as well. All of them are integrated into one chip.	SE718M-LF
Flash Memory IC201	Stores the MCU program embedded in the scaler. It is of a flash type and rewritable.	MX25L1005MC
IC203	Stores the OSD and various timing values.	24C08
Regulator	An IC that receives DC voltage inputs. It is used in circuits that stabilize the DC voltage.	NCP1117DT18T5G NCP1117ST33T3G

7-2. Schematic Diagrams (Scaler Part)
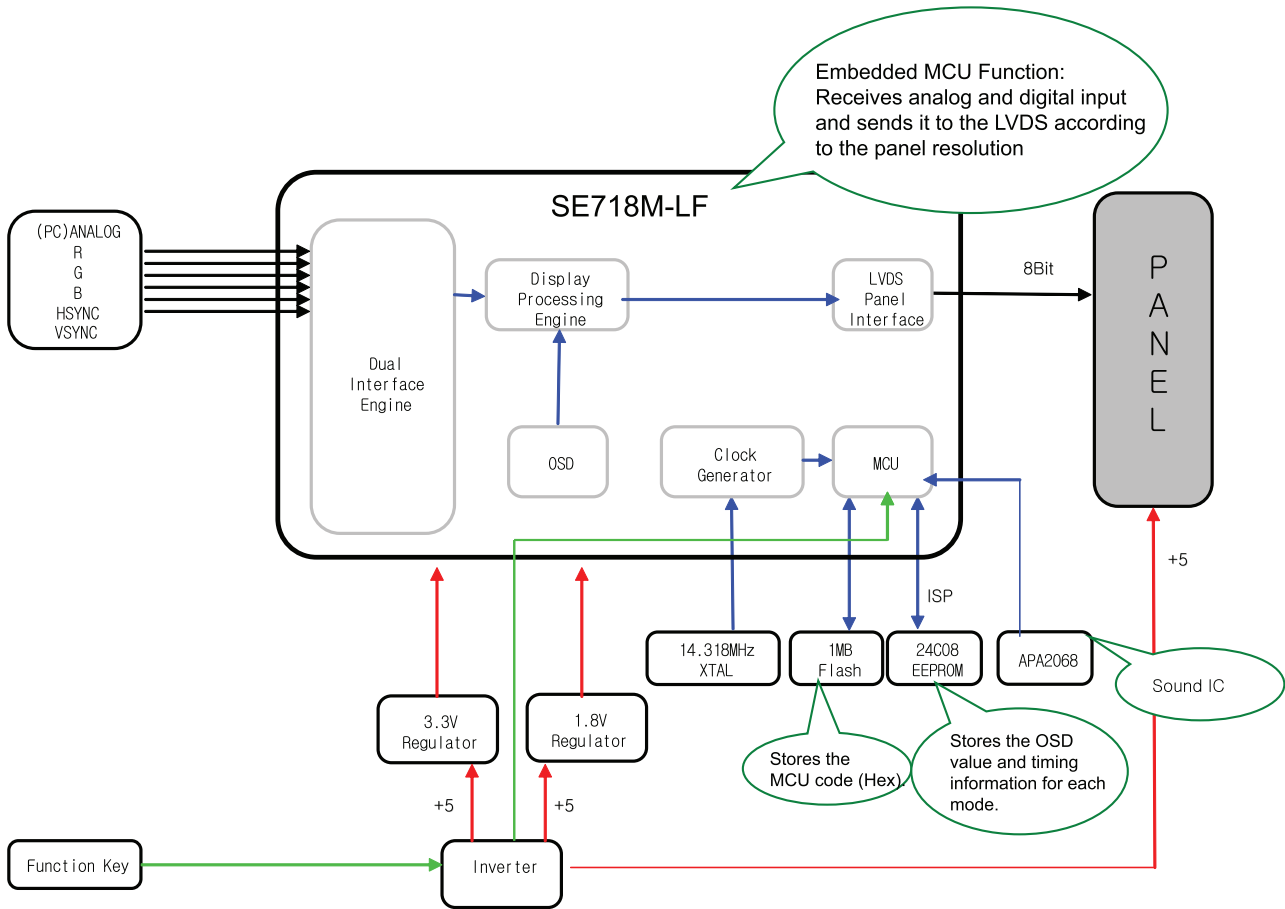
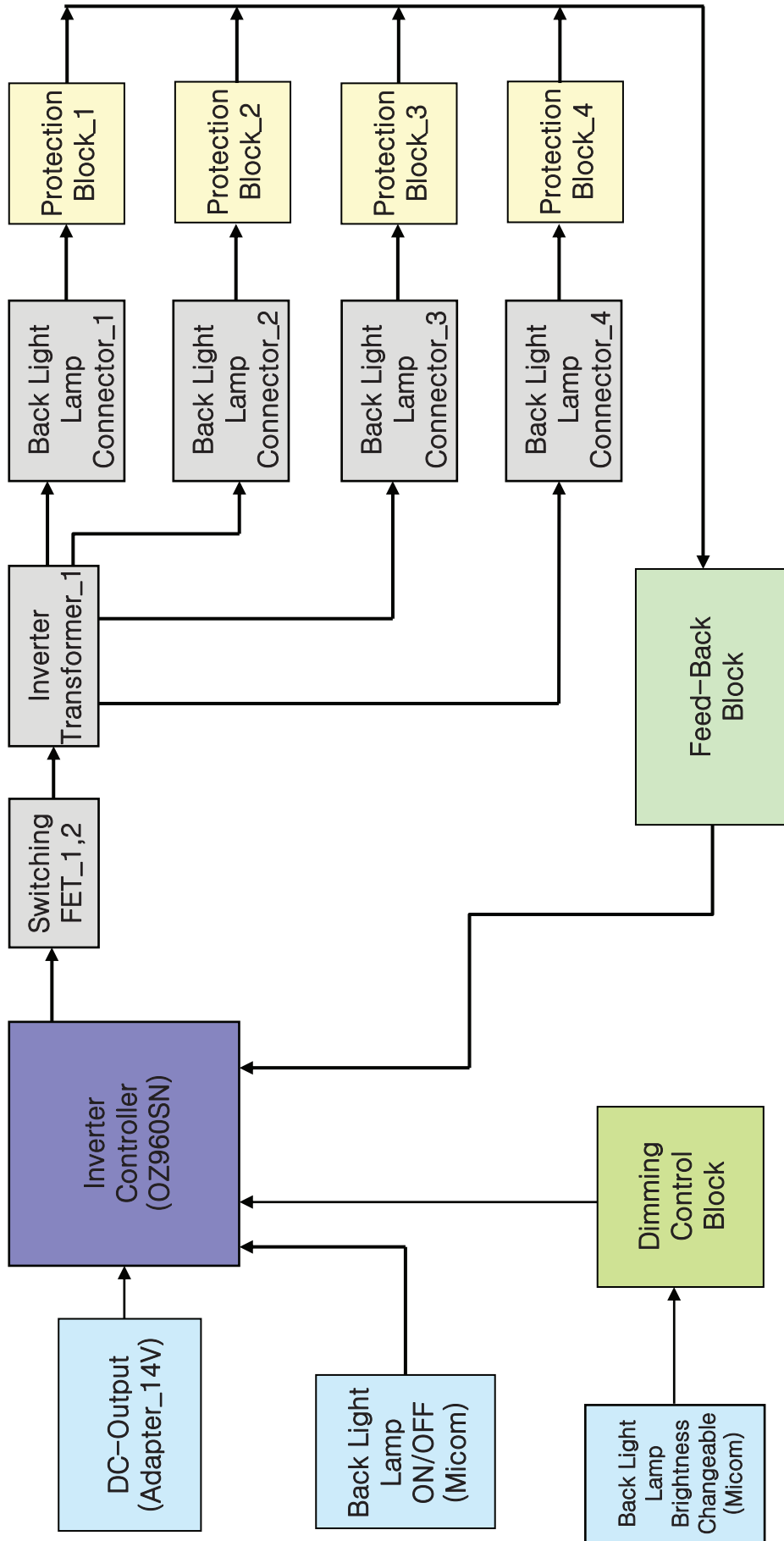

7-3. Schematic Diagrams (Power Flowchart)
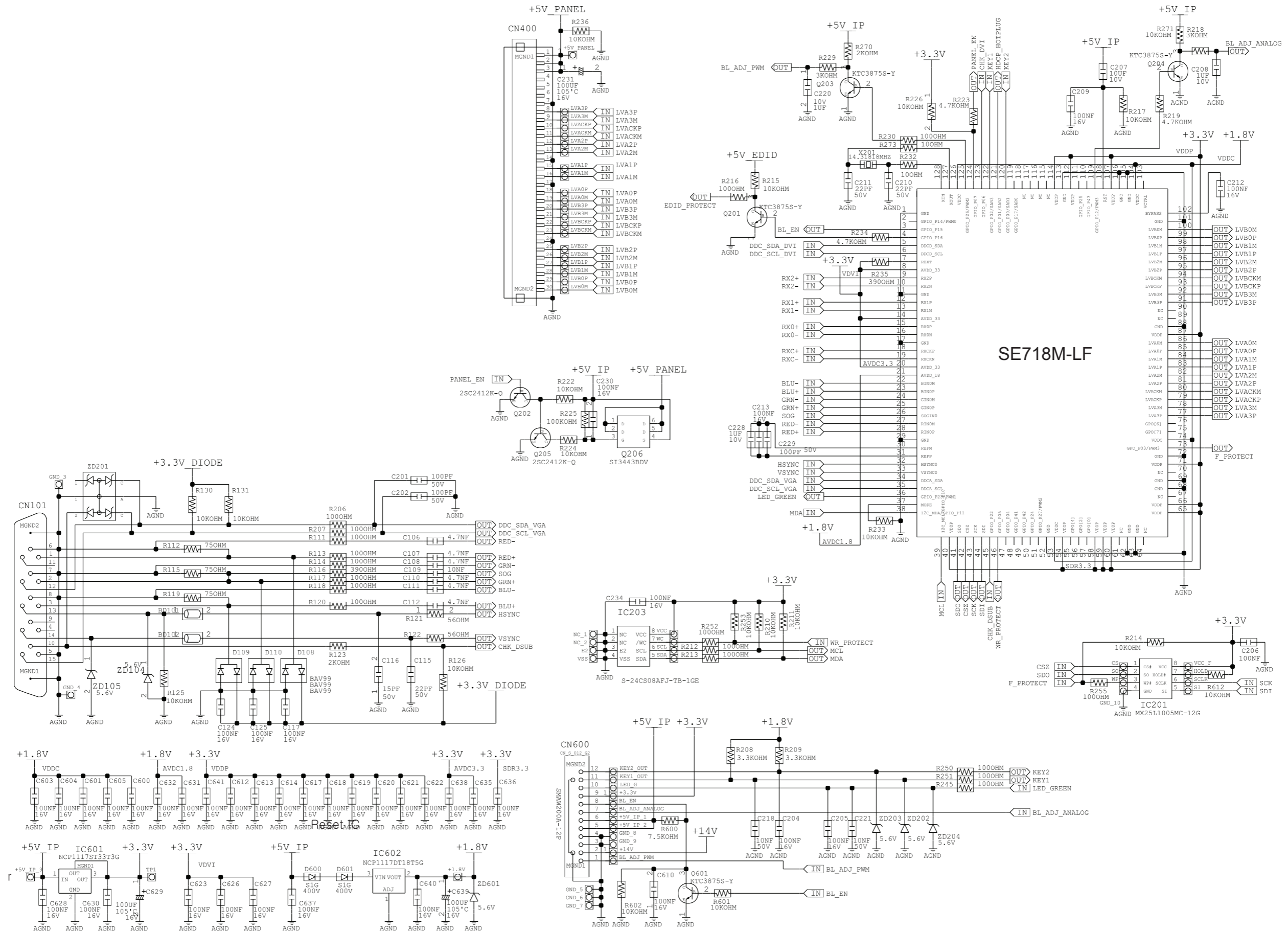
7-4. Schematic Diagrams (IP Board)

■ SMPS Part

■ Inverter Part

Protection Block_1

Protection Block_2

Protection Block_3

Protection Block_4

Back Light Lamp Connector_1

Back Light Lamp Connector_2

Back Light Lamp Connector_3

Back Light Lamp Connector_4

Inverter Transformer_1

Feed-Back Block

Switching FET_1,2

Inverter Controller (OZ960SN)

Dimming Control Block

DC-Output (Adapter_14V)

Back Light Lamp ON/OFF (Micom)

Back Light Lamp Brightness Changeable (Micom)

7-5. Schematic Diagrams (Main PBA)

SE718M-LF

CN400

CN101

CN600

IC201 MX25L1005MC-12G

IC203 S-24CS08AFJ-TB-1GE

IC601 NCP1117ST33T3G

IC602 NCP1117DT18T5G

Reset IC

Q206 SI3443BDV

Memo