

# System power supply for car stereos

## BA3918

The BA3918 is a single-chip power supply IC for use in car audio systems. One 5.6V output for a microcontroller, three 8.7V outputs, and two outputs interlocked by BACKUP and ACC systems are built in.

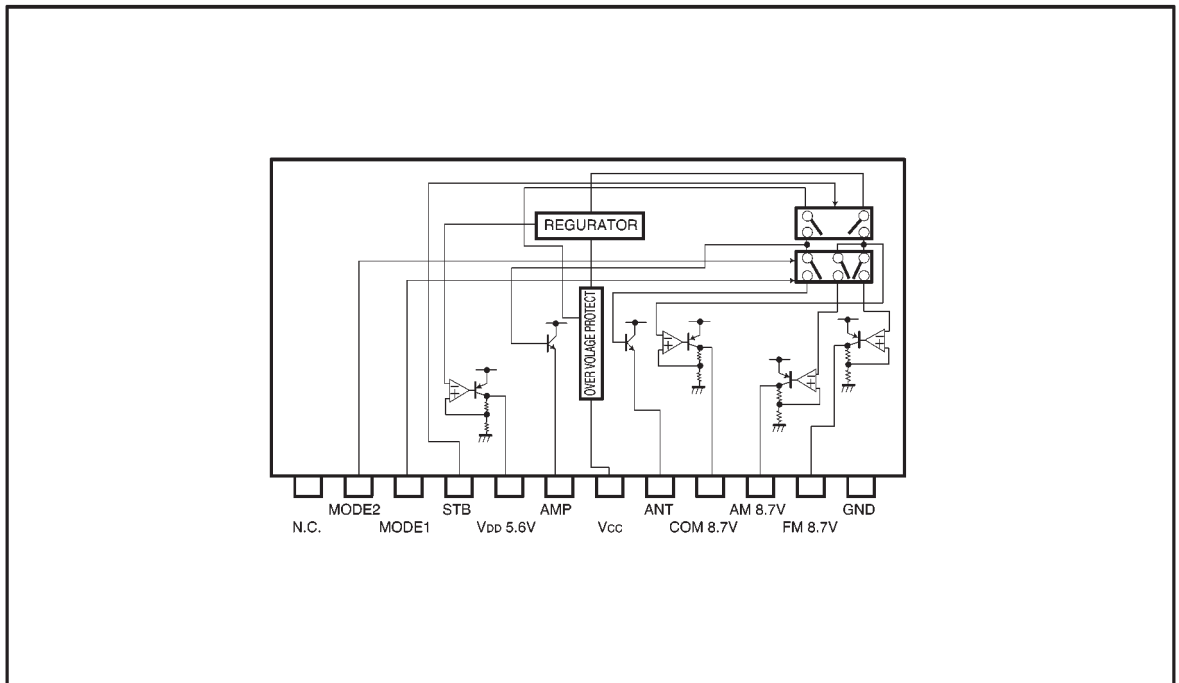
### ●Applications

Car audio systems

### ●Features

- 1) All outputs except AMP and ANT use a PNP transistor with a low saturation voltage.
- 2) Output current limit circuit prevents damage to the IC due to short-circuiting.
- 3) Overvoltage protection circuit provides protection against surges from the Acc or BACKUP input.
- 4) Compact 12-pin POWER package allows large power dissipation.
- 5) Thermal protection circuit prevents heat damage to the IC.

### ●Block diagram



● Application example

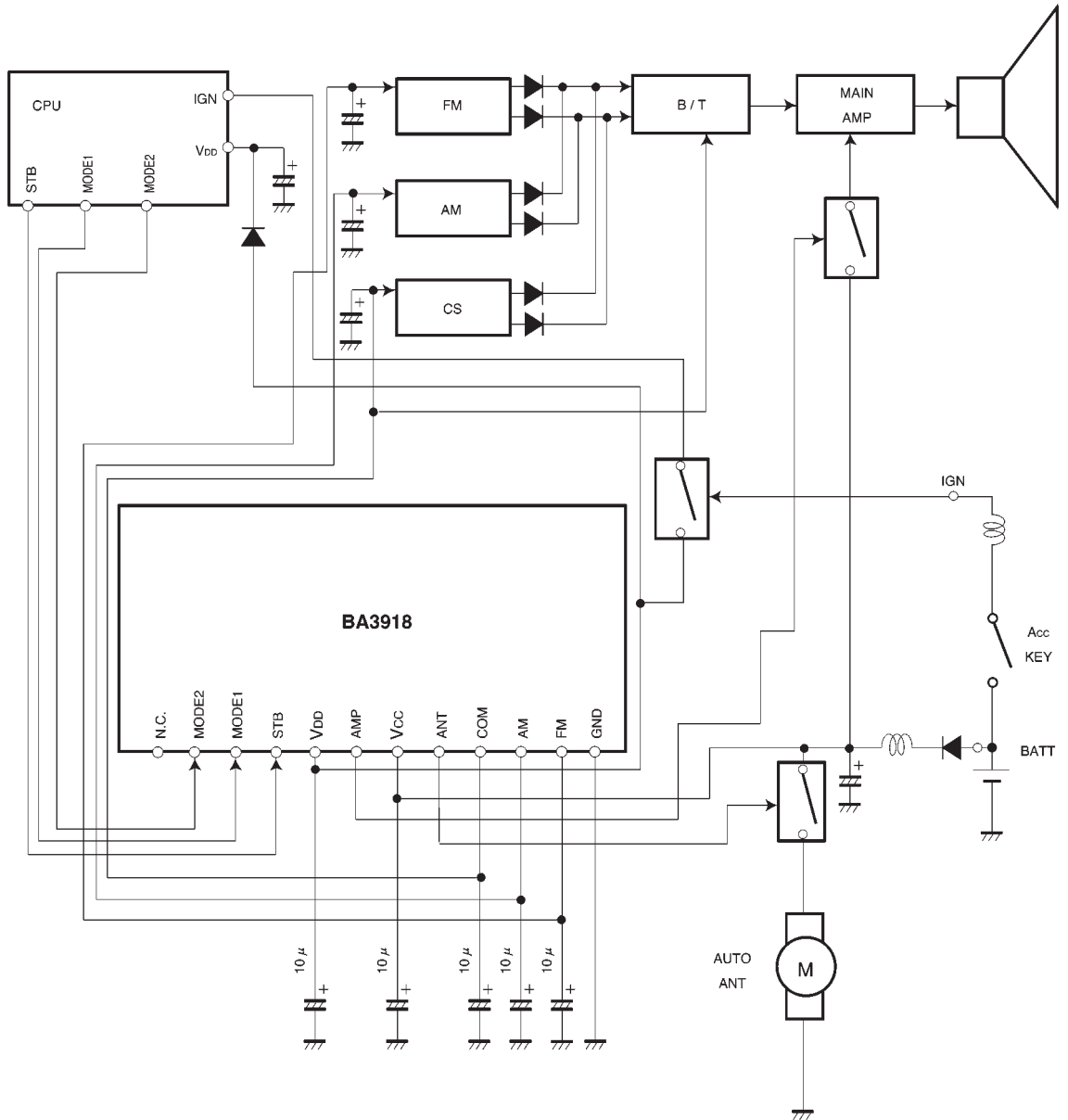


Fig.3