

DESCRIPTION

PT6317 is a front panel controller IC utilizing CMOS Technology specially designed as a peripheral device for electronic audio and video applications. Display memory, control circuit, E²PROM control function (Max size is 16K), key scan circuit, and a remote control decoder are all built-in into a single chip having the highest performance and reliability. All functions are programmable using the I²C bus. PT6317 is housed in a 52-pin LQFP package. Pin assignments and application circuit are optimized for easy PCB layout and cost saving advantages.

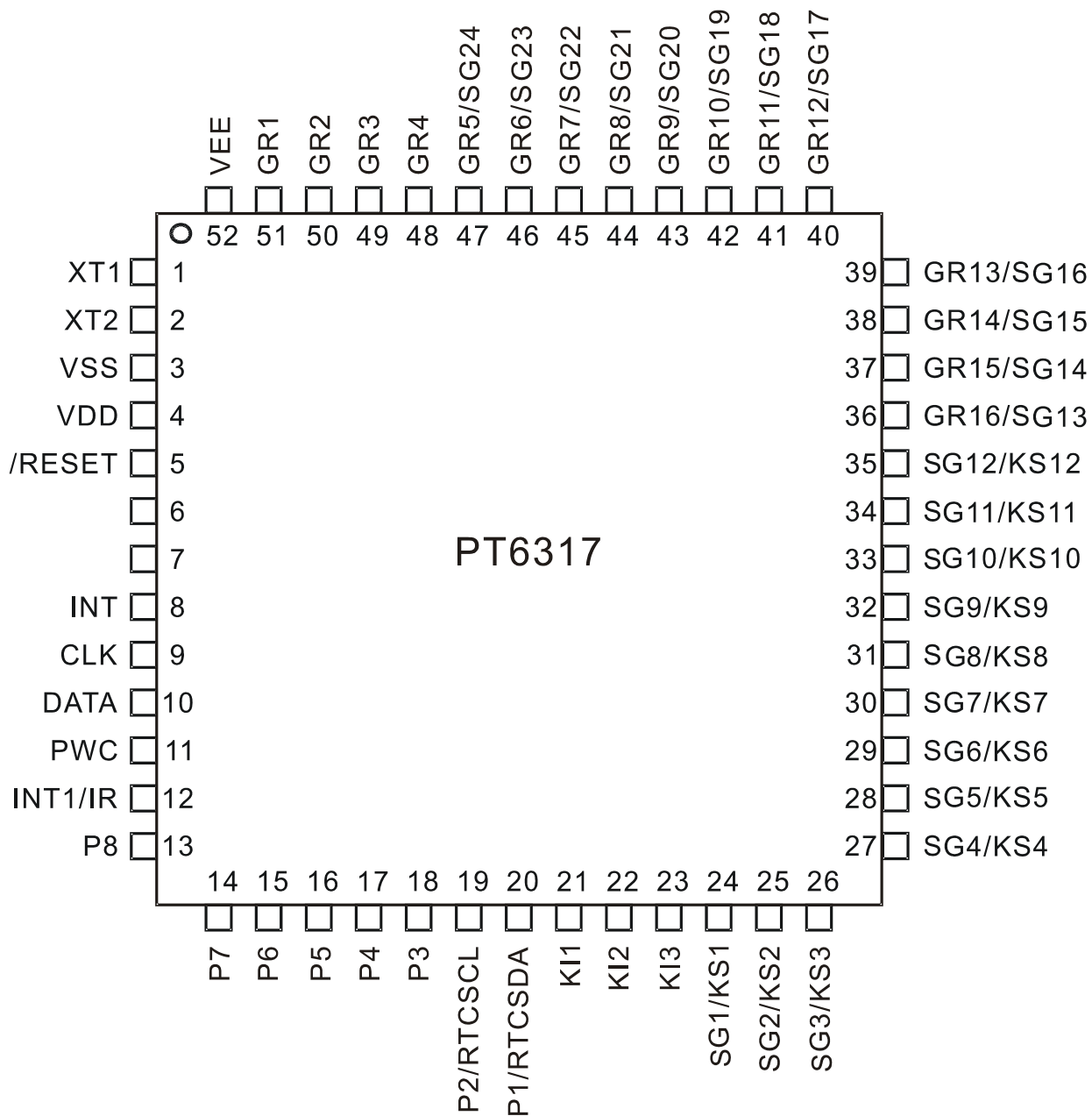
FEATURES

- CMOS Technology
- Low Power Consumption
- Multiple Display Modes: 24 segments, 4 grids to 12 segments, 16 grids
- Key Scanning (Matrix: 12 x 3 = 36 keys)
- Operating Speed at 4MHz
- Standby Control Function
- Remote Control Code decoding with Programmable Custom Codes (NEC or Philips format)
- Dimming Circuitry (16 steps)
- Real Time Clock (accuracy within ± 30 seconds/month)
- Control Interface for I²C Bus (H_CLK, H_DATA, EE_CLK, EE_DATA), H_INT (5 pins)
- High Voltage Output ($V_{EE} = -30V$)
- GPIO Port (8 pins)
- IR Receiver Input (1 pin)
- Power Control Output (1 pin)
- Available in 52-pin LQFP package
- Total of 15 Hot Keys for Power ON (IR x 7, key x 8)
- Built-in I²C pull HIGH resistance
- Built-in key scan input pull LOW resistance
- E²PROM Control Function: Max. size is 16K (2048 x 8), I²C address is fixed to A0H (W) and A1H (R).
- 2 RTC resource options (external or internal)

APPLICATIONS

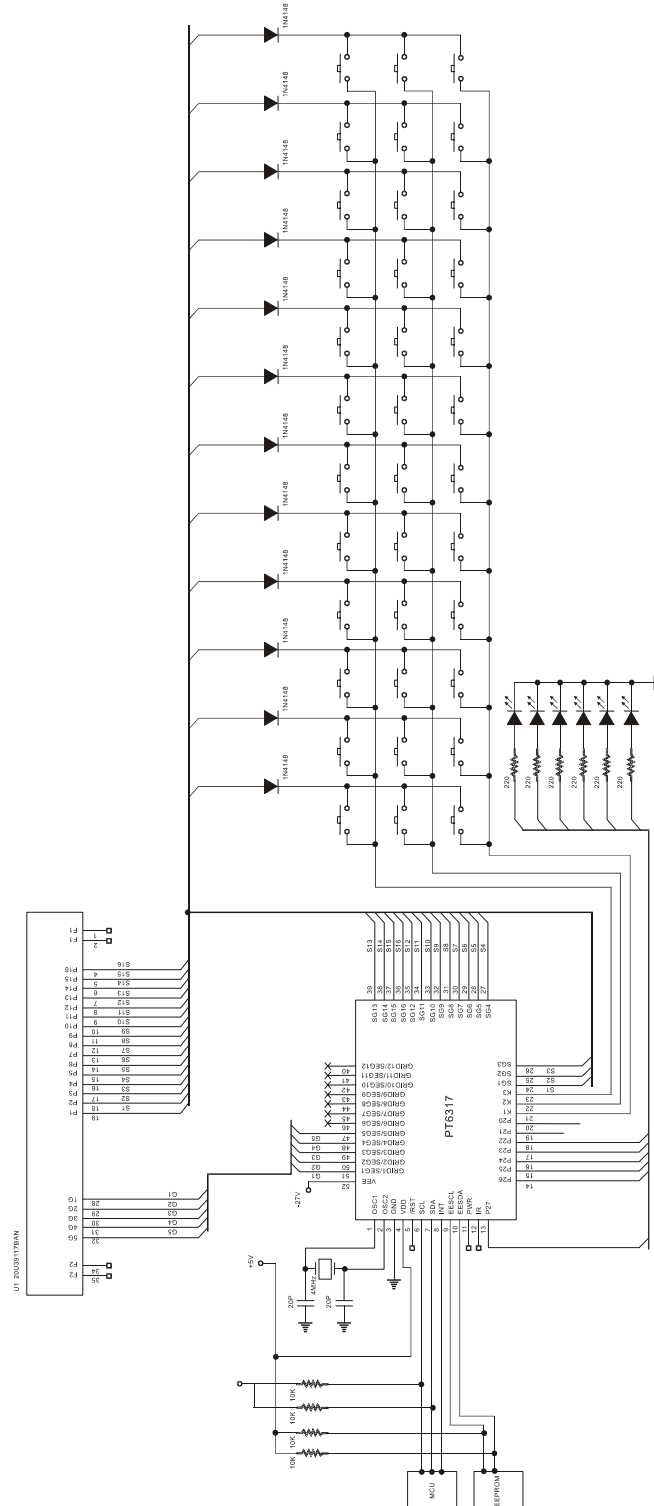
- DVD Player
- VCD Player
- DVD Recorder

PIN CONFIGURATION



APPLICATION CIRCUIT

CONNECTED EEPROM



ORDER INFORMATION

Order Part Number	Package Type	Top Code
PT6317	52 Pins, LQFP	PT6317
PT6317 (L)	52 Pins, LQFP	PT6317

Notes:

1. (L) = Lead Free
2. The Lead Free mark is put in front of the date code.