

General Description:

The TT2653 provides cost effective for IR remote controller application. It designs by LSI high technology with low power process. It is compatible with LC7461M function.

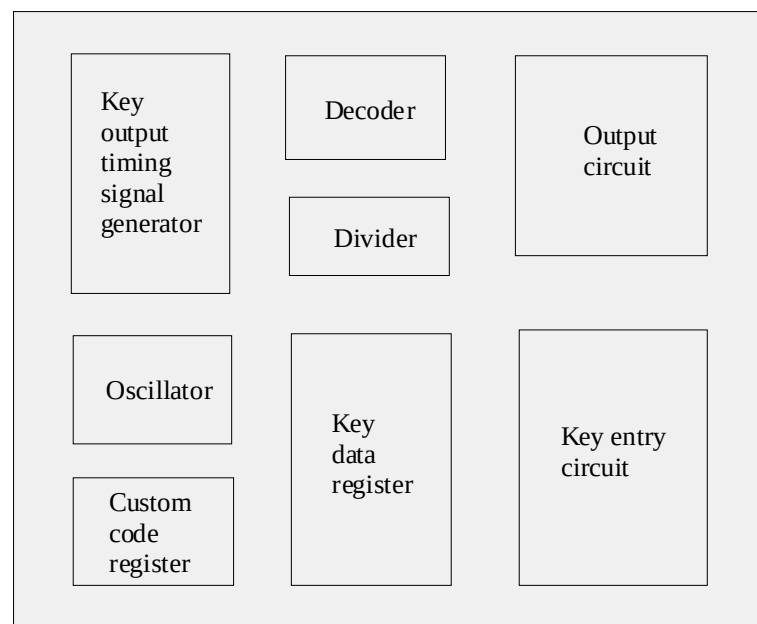
Features:

- ✧ Operating supply voltage range VDD = 1.8 to 5.5 V
- ✧ 32+3 function keys
- ✧ 13-bit custom codes
- ✧ Supply current at the standby mode IDD = 1 μ A or less
- ✧ Double-press operation keys
- ✧ On-chip oscillator (ceramic resonator : connected externally)
- ✧ Provide 24-pin SOP package

Application:

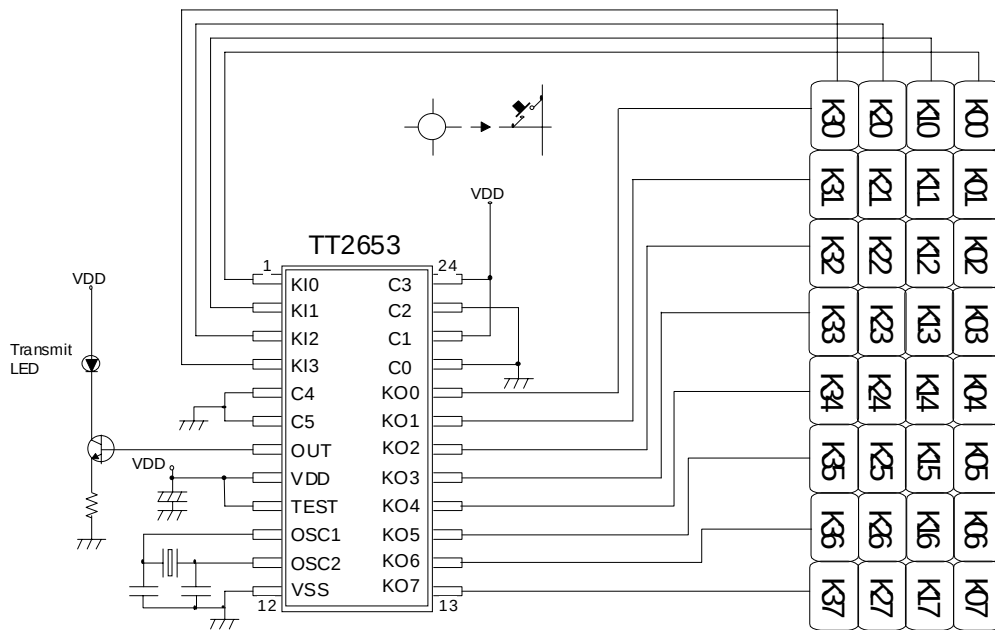
- IR remote controller
 - TV
 - VCR
 - VCD player
 - DVD player
 - Audio equipment
 - Air conditioner

Block Diagram



2653-2

Application Circuit



In this example custom code C0 to C5 is C0 C5 .
 0 1 0 1 0 0

2653-9

TT6221-1 & TT6222-1 REMOTE CONTROL TRANSMITTER

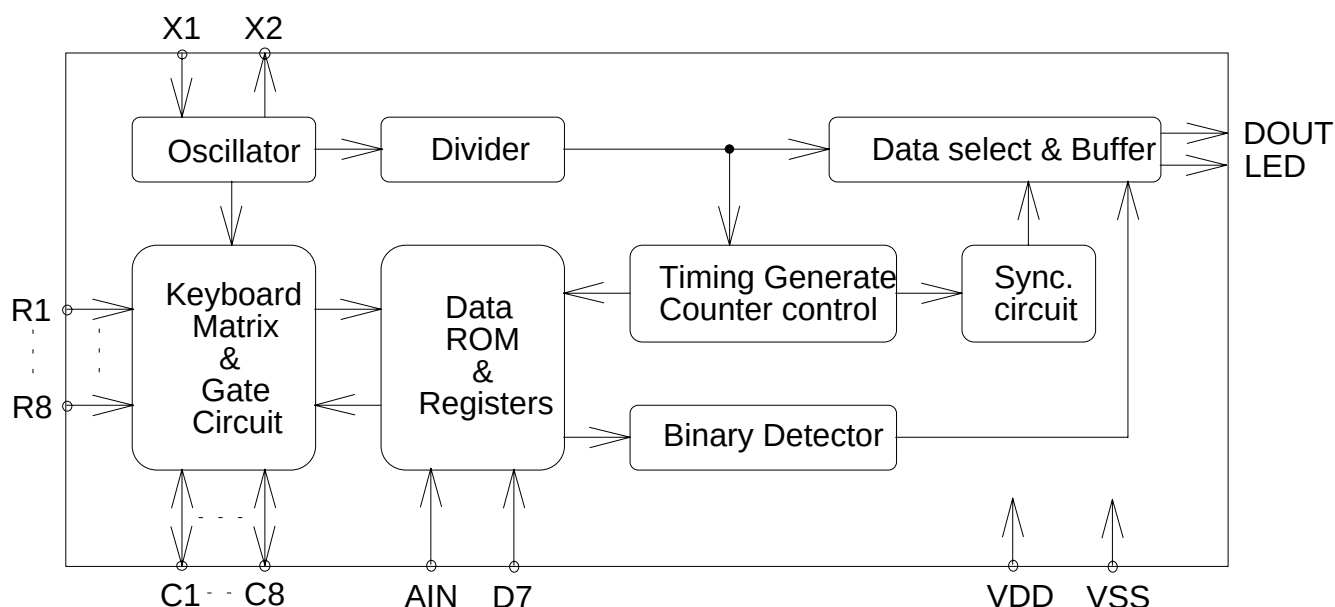
General Description

TT6221-1 and TT6222-1 are high performance remote control transmitter COMS IC, it is specially designed for use on infrared remote control applications. The custom codes (Max.) of TT6221-1 and TT6222-1 are available by setting external diodes and resistors. The transmission code consists of “ leader pulse “, ” 16 bits custom code “ and ” 16 bits data code “.

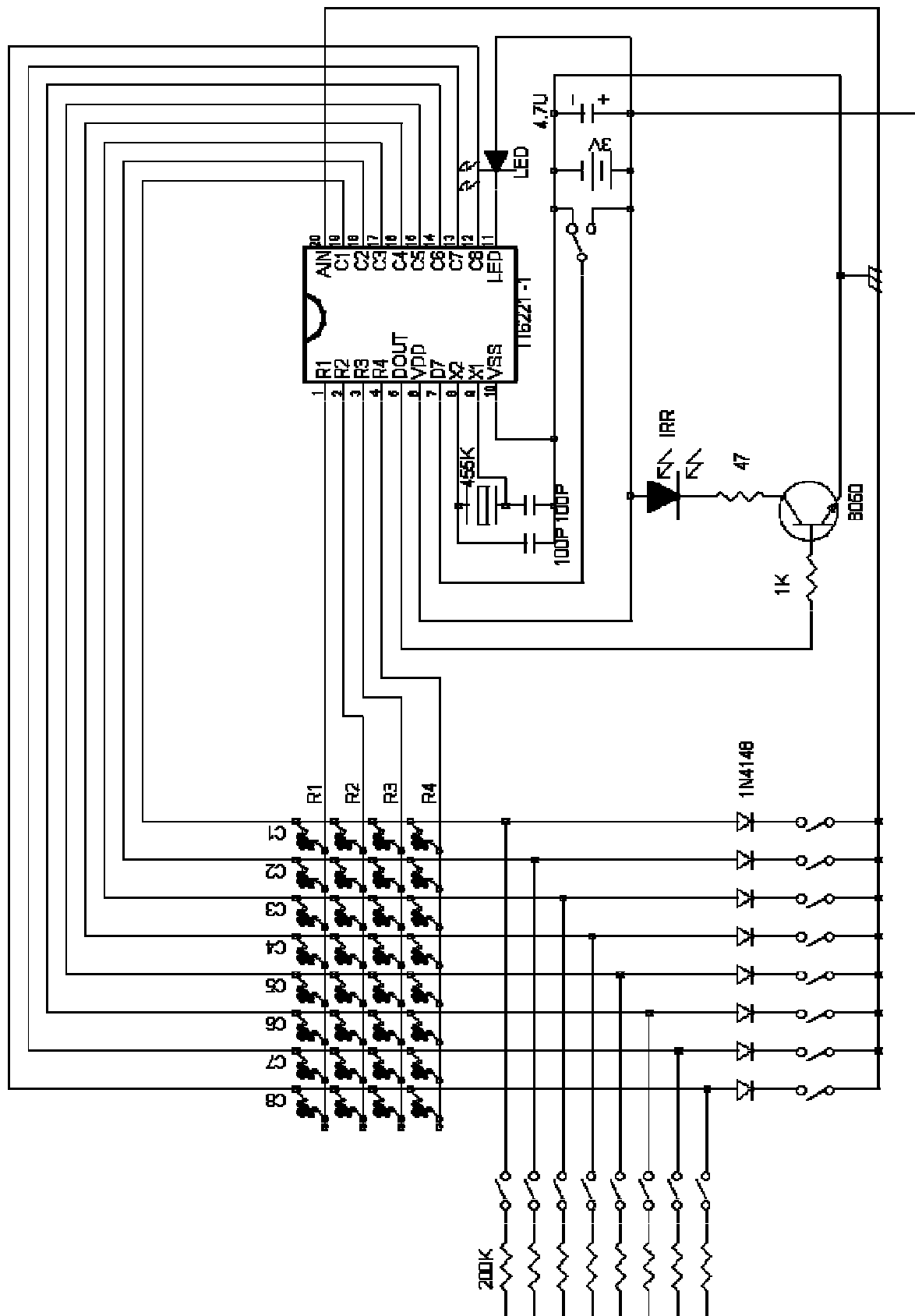
Feature Description

- ◆ High performance **CMOS** technology
- ◆ Low power consumption (VDD = 2.0 3.3 V)
- ◆ TT6221-1 : **32** function keys and **3** double action keys
and **64 + 6** function codes are available (Using **D7** pin)
- ◆ TT6222-1 : **64** function keys and **3** double action keys
and **128 + 6** function codes are available (Using **D7** pin)
- ◆ PPM (Pulse Position Modulation) code method
- ◆ Ceramic resonator frequency **455 KHz**
- ◆ **DOUT** with a **38 KHz** carrier for IR medium
- ◆ Custom codes can be selected (Using external diodes and resistors)

Block Diagram



TT6221-1(APPLICATION



APPLICATION

