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## **Infrared Remote Control Transmitter**

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**PT2213**

### **DESCRIPTION**

PT2213 is a remote control transmitter utilizing CMOS Technology specially designed for infrared remote control applications. PT2213 can support up to 64 function keys and provides 2 different kinds of system codes. Pin assignments and application circuit are optimized for easy PCB Layout and low cost advantage.

### **FEATURES**

- CMOS Technology
- Low Power Consumption
- Least External Components
- Low Voltage Operation
- Double Key Operation is provided when SEL2 is connected to VDD.
- Up to 64 Function Keys provided
- 2 Kinds of System Codes
- High Efficiency Transmission
- Transmission Indication Output Pin provided
- Available in 24 Pins, SO or DIP Package

### **APPLICATIONS**

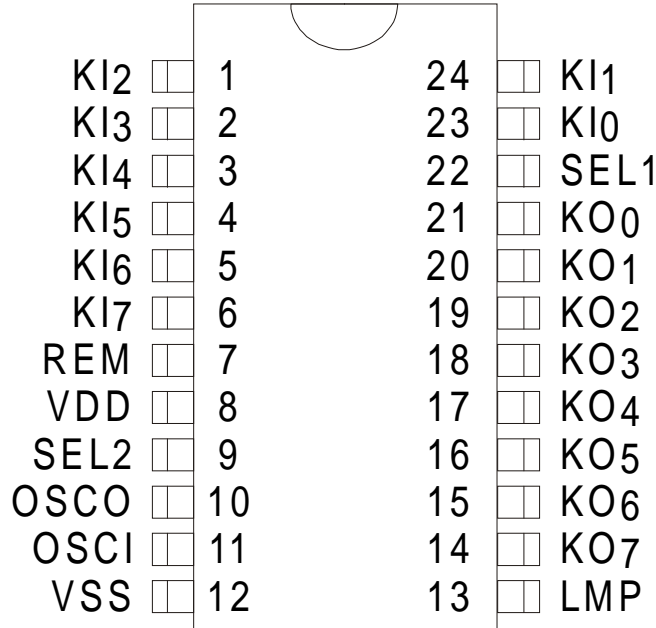
- Television
- VCR
- Video Disc
- CD Player
- AV Controller
- Audio Equipment



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**PIN CONFIGURATION**



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Figure 1: Remote Output Waveform

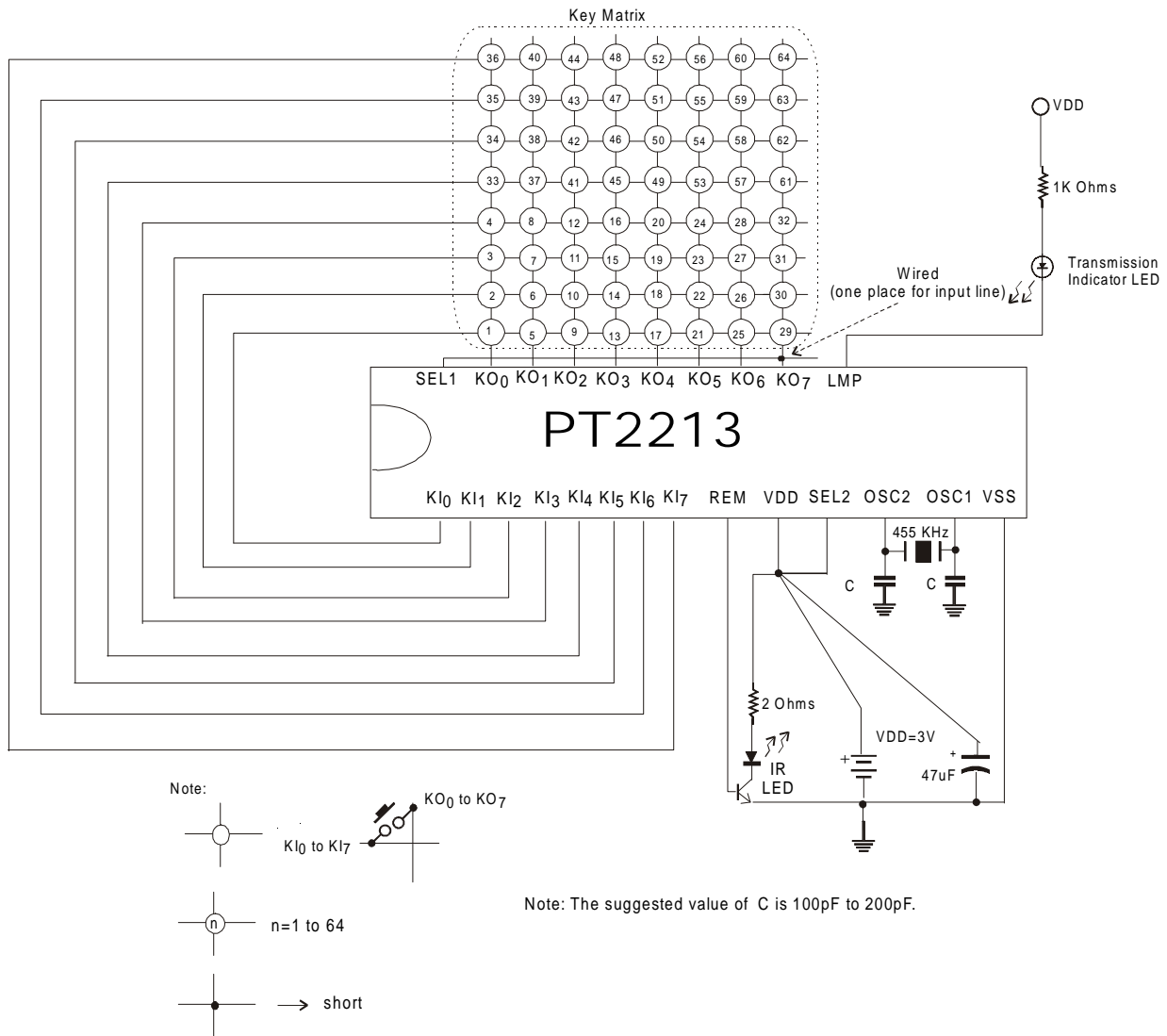


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**APPLICATION CIRCUITS**

**SEL2 =HIGH (SEL2 connected to VDD)**



**PCB Layout Notes:**

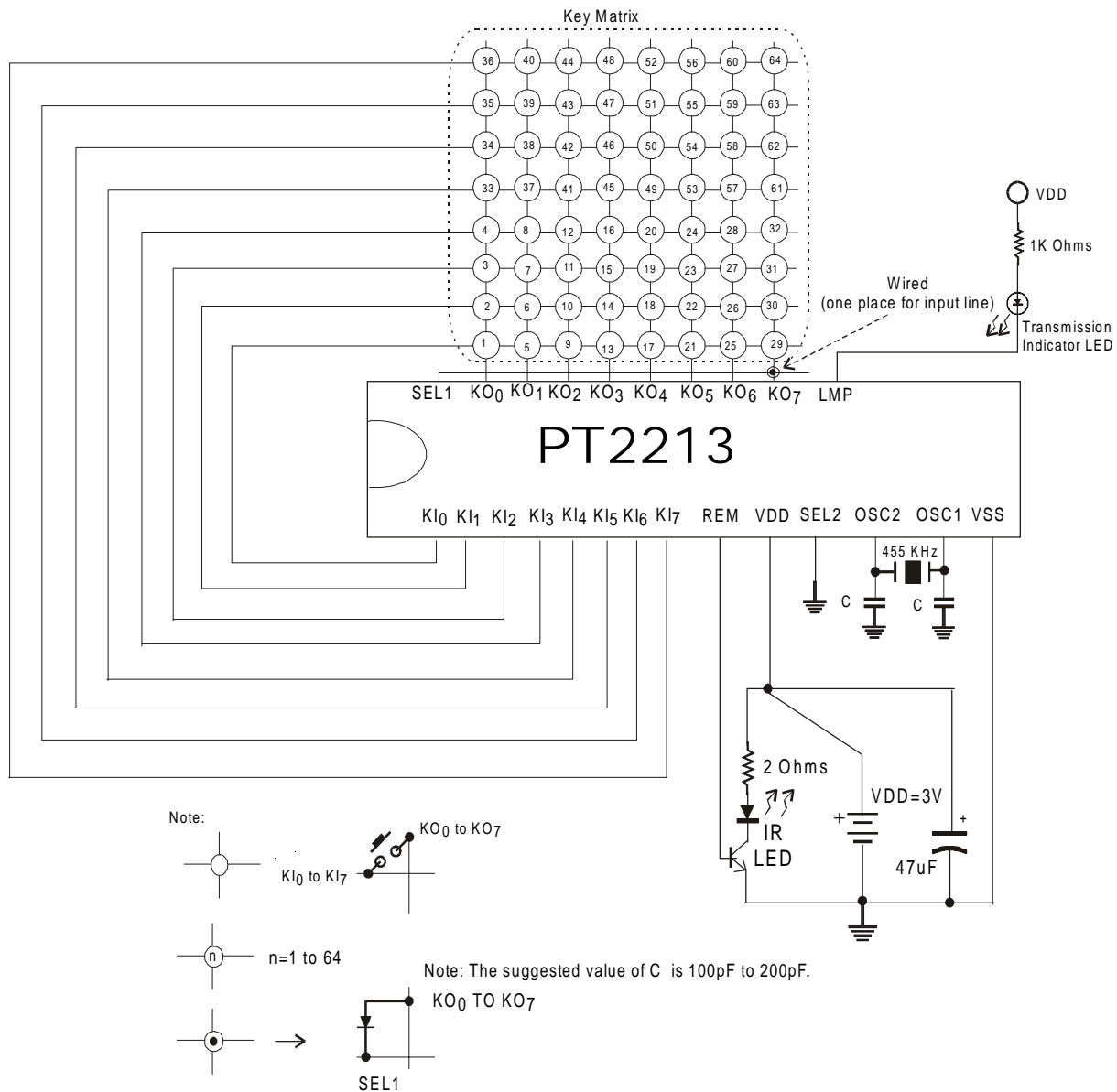
1. Power Supply must first support the IC's "VDD" before the Supply IR LED "VDD".
2. It is recommended that the 47µF Capacitor must be placed between the IC's "Vss" and "VDD".



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**SEL2 =HIGH (SEL2 connected to VSS)**



PCB Layout Notes:

1. Power Supply must first support the IC's "VDD" before the Supply IR LED "VDD".
3. It is recommended that the 47μF Capacitor must be placed between the IC's "Vss" and "VDD".