



UM3561

T-77-13

Sound Selection

The SEL2 incorporates a resistor for internal pull low, and SEL1 is a tri-state control pin. 2 pads, SEL1 and SEL2, should be selected for the sound effect mode.

Sound Effect ROM

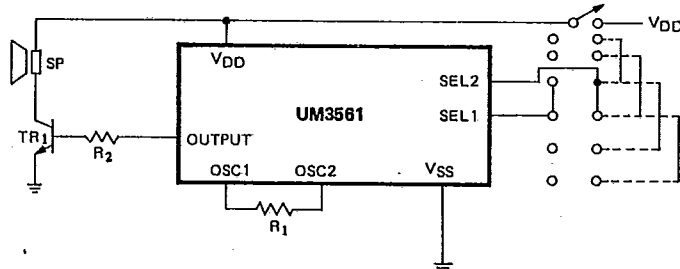
The sound effect ROM is organized as 256 words by 8 bits. The sound effect program and the option are mask programmable and programmed in the N⁺ layer.

Bonding Pad		Sound Effect
SEL 1	SEL 2	
No Connection	No Connection	Police Siren
V _{DD}	No Connection	Fire Engine Siren
V _{SS}	No Connection	Ambulance Siren
"—" don't care	V _{DD}	Machine Gun

Typical Application

FOUR SOUND APPLICATION

1. Police Siren 2. Fire Engine Siren 3. Ambulance Siren 4. Machine Gun

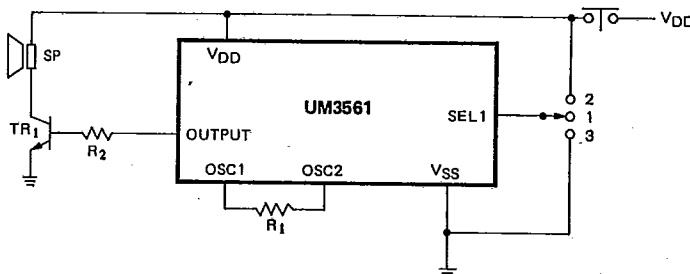


SEL1 SEL2
(No Connection, No Connection)
(V_{DD} No Connection)
(V_{SS} , No Connection)
(No Connection, V_{DD})

Recommended value:
R₁ = 240K Ω
R₂ = 10K Ω
TR1: 2SC9013 or 8050
SP: 8 Ω 0.2W speaker

THREE SOUND APPLICATION

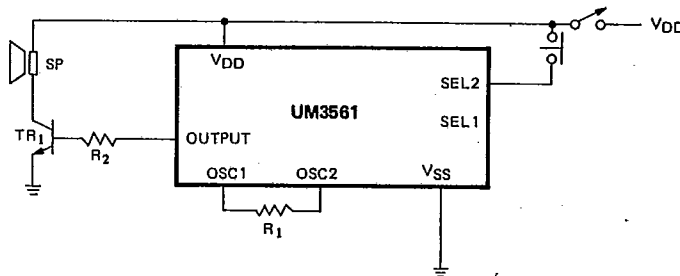
1. Police Siren 2. Fire Engine Siren 3. Ambulance Siren



Recommended value:
R₁ = 240K Ω
R₂ = 10K Ω
TR1: 2SC9013 or 8050
SP: 8 Ω 0.2W speaker

TWO SOUND APPLICATION

1. Police Siren 2. Machine Gun



Recommended value:
R₁ = 240K Ω
R₂ = 10K Ω
TR1: 2SC9013 or 8050
SP: 8 Ω 0.2W speaker