

ABSOLUTE MAXIMUM RATING (Tamb=25°C)

Characteristics	Symbol	Value	Unit
Supply Voltage	VDD	-0.3~6.0	V
Input/Output Voltage	VIN	VSS -0.3V~VDD+0.3V	V
Power Dissipation	PD	500	mW
Operating Temperature	Topr	-10 ~ +70	°C
Storage Temperature	Tstg	-40~+125	°C

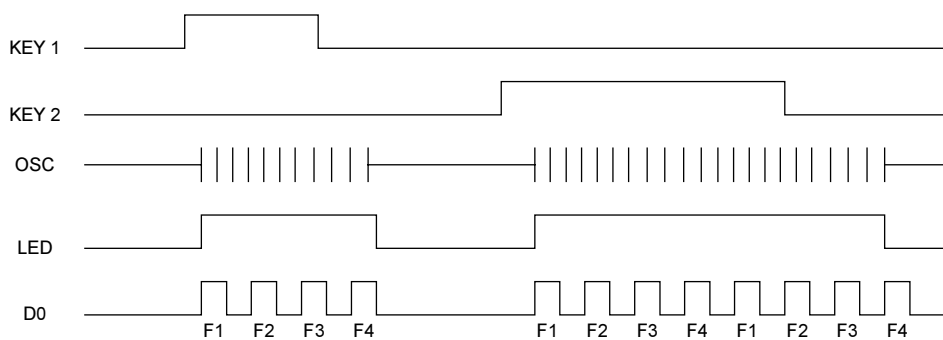
DC CHARACTERISTICS (unless other specified, Tamb=25°C, VDD=3V)

Characteristics	Symbol	Test conditions	Min.	Typ.	Max.	Unit
Supply Voltage	VDD	--	2.2	3	5	V
Static Power Dissipation	ISB	VDD=3V, OSC Stopped	--	1	--	μA
DOUT Output High Current	IOH	VOH=2.4V	--	--	5	mA
DOUT Output Low Current	IOL	VOL=0.4V	--	--	-5	mA
High Input Voltage	VIH	--	0.7VDD	--	VDD	V
Low Input Voltage	VIL	--	0	--	0.3VDD	V
LED High Output Current	IOH	VOH=2.4V	--	--	10	mA
Oscillation Frequency	FOSC	--	--	455	--	kHz

PIN DESCRIPTION

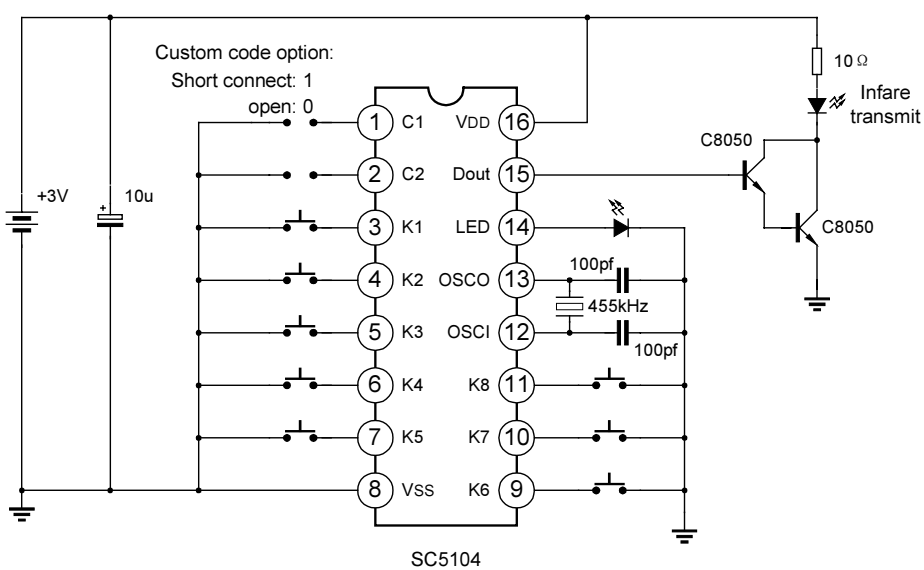
Pin no.	Symbol	I/O	Descriptions
1~2	C1, C2	I	Custom Code Option: Built In Pull-Up Resistor, Grounding Denote "1", Floating Denote "0".
3~7	K1~K5	I	Key Input Pins, Built In Pull-Up Resistor.
8	VSS	--	Negative Power Supply.
9~11	K6~K8	I	Key Input Pins, Built In Pull-Up Resistor.
12	OSCI	I	455kHz Oscillator Input Pin.
13	OSCO	O	455kHz Oscillator Output Pin.
14	LED	O	LED Driver Output Indication
15	DOUT	O	Code Data Output (Contain 38kHz Carrier Signal)
16	VDD	--	Positive Power Supply.

SC5104 TRANSMIT OUTPUT WAVEFORM



* The basic transmit code of D0 was composed of F1~F4

TYPICAL APPLICATION CIRCUIT



PACKAGE OUTLINE

