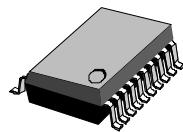


INTRODUCTION

The S1T8514B is designed for FM IF detection on the pager set. It includes a voltage regulator, low battery detection circuit, mixer, oscillator, FSK comparator and limiting IF Amplifier. Also S1T8514B provides the RSSI function for RF level monitoring.

20-SSOP-225

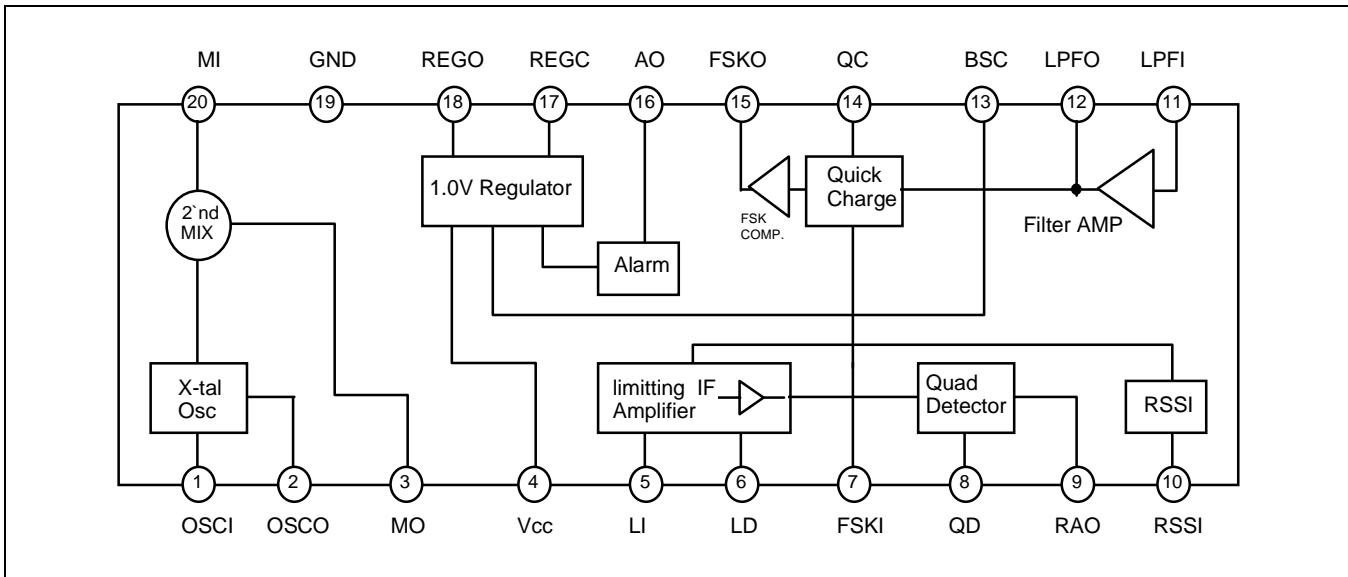
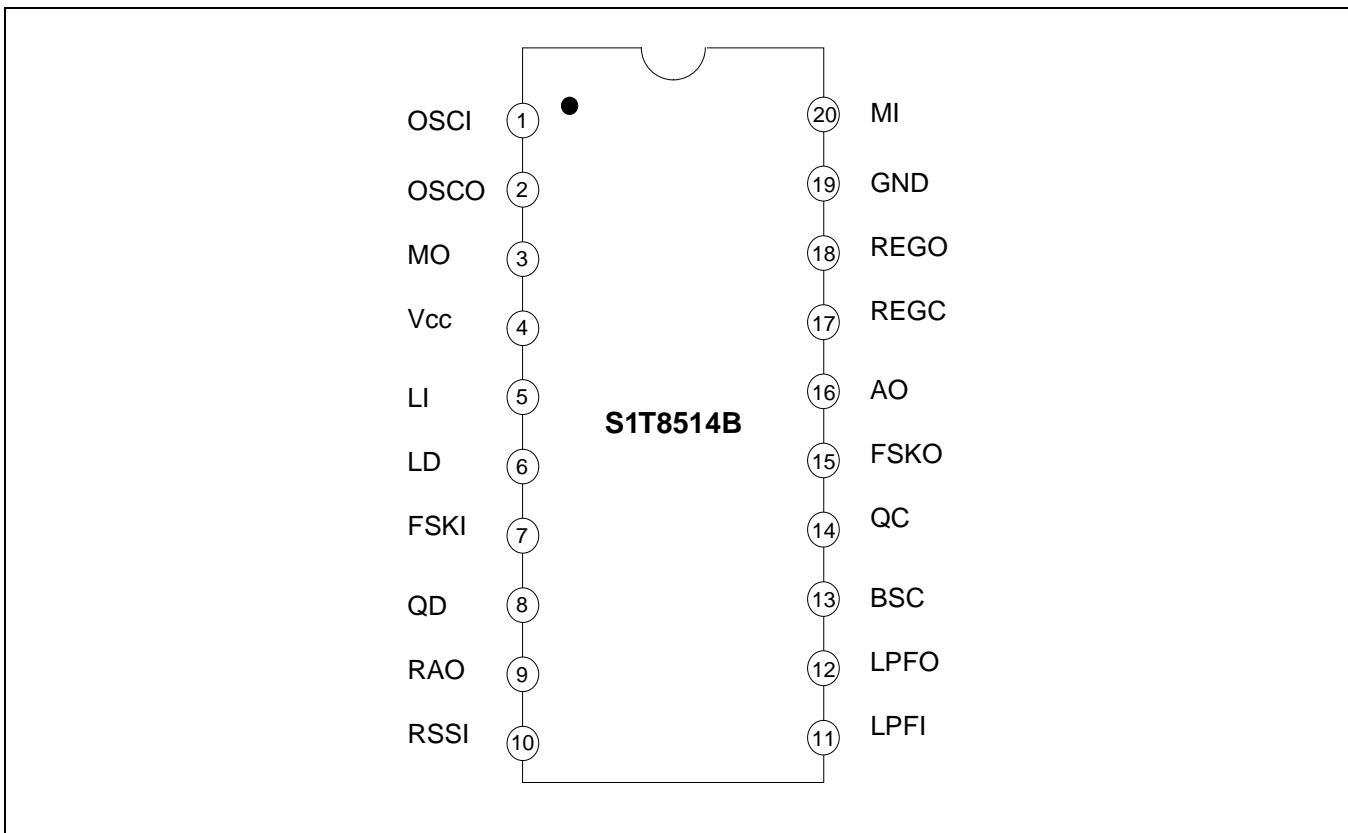


FEATURES

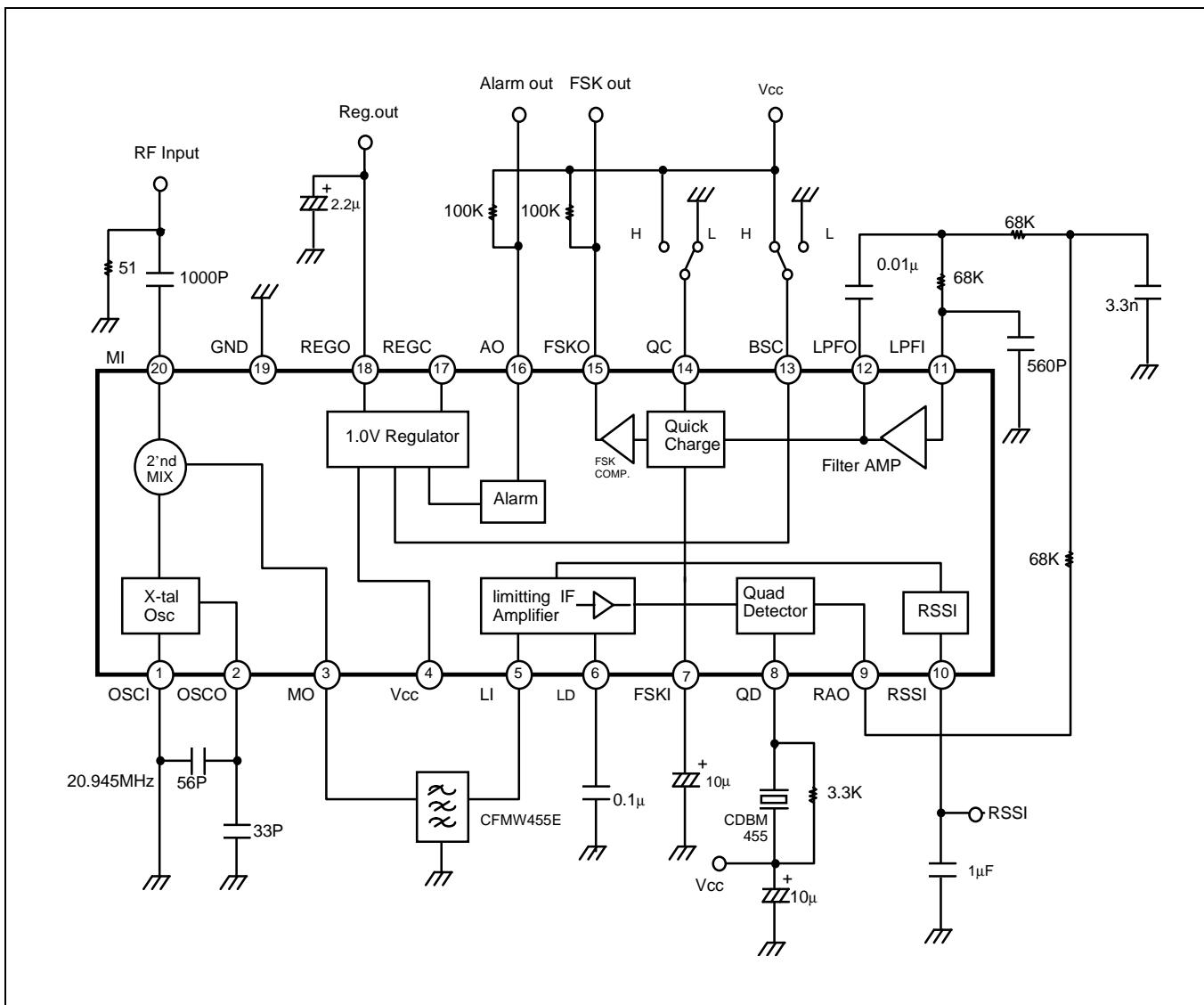
- Built-in RSSI function
- Operating voltage range: $V_{CC} = 1.1$ to $4.0V$
- Low current consumption: $I_{CC} = 1.5mA$
- Low battery detection circuit (alarm function): $1.05V$
- Voltage regulator: $V_{reg} = 1.0V$ (Typ.)
- Mixer operating frequency: 10 to 50MHz
- High transmitting rate: 1200 / 2400bps
- FSK Data reception
- Package type: 20-SSOP (0.65mm)

ORDERING INFORMATION

Device	Package	Operating Temperature
S1T8514B01-V0B0	20-SSOP-225	-20°C to +70°C

BLOCK DIAGRAM**PIN CONFIGURATION**

APPLICATION CIRCUIT



NOTES