

LB-1 Active Device Functions

D1	MMBD914L, Common diode, Oscillator temperature compensation
D2	KV1913A-150-2, Varactor diode, Oscillator tuning/deviation
D3	3.6V Zener diode, input over voltage protection
D4	MBR0520L Schottky diode, reverse voltage protection
D5	Orange LED, Visual status indicator
U1	LMV-321M7 Op. Amp., Active low pass filter
U2	LMV-321M7 Op. Amp., Oscillator control voltage buffer
U3	MAX6348UR42 low voltage detector, Low battery detector
U4	PIC16LF84A Micro processor, Central processing IC
U5	PIC12LC508A Micro processor, Tone generator IC
U6	RN5AL3.5AA Linear voltage regulator, voltage regulator
U7	MAX6315 Micro power manager, Low voltage detector
Q1	NE94433 NPN transistor, Oscillator
Q2	NE85633 NPN transistor, Power amp driver
Q3	NE85633 NPN transistor, Power amp current mirror
Q4	NE85634 NPN transistor, Power amp