

iCarKit 305 Circuit Description

Main Board

Category	Part Name	Part Number	Description
IC	U1	PT2333	Audio Amplifier
IC	U2	BC63C159A03	Bluetooth processor
IC	U3	SN74LVC1G10	3-Input NAND gate
IC	U4	S1112B18MC	1.8V LDO
IC	U5	S1112B18MC	1.8V LDO
IC	U6	FM11-GE-300	Echo Cancellation DSP
IC	U7	24LC08	8Kbit EEPROM
IC	U8	24LC32	32Kbit EEPROM
IC	U9	SI5853	MOFET+Diode
Crystal	X1,	13MHz	
Crystal	XTY	26MHz	

Bluetooth Frequency Channel Arrangement

Regulatory Range: 2.400-2.4835GHz

RF Channel: $f=2402 + k \text{ MHz}$, $k=0, 1, 2, \dots, 78$