The Canonical WAVE file format

endian	File offset (bytes)	field name	Field Size (bytes)	
big	0	ChunkID	4	**The "RIFF" chunk descriptor**
little	4	ChunkSize	4	
big	8	Format	4	The Format of concern here is "WAVE", which requires two sub-chunks: "fmt " and "data"
big	12	Subchunk1 ID	4	
little	16	Subchunk1 Size	4	
little	20	AudioFormat	2	
little	22	NumChannels	2	**The "fmt " sub-chunk**
little	24	SampleRate	4	describes the format of the sound information in the data sub-chunk
little	28	ByteRate	4	
little	32	BlockAlign	2	
little	34	BitsPerSample	2	
big	36	Subchunk2ID	4	**The "data" sub-chunk**
little	40	Subchunk2 Size	4	
little	44	data	Subchunk2Size	Indicates the size of the sound information and contains the raw sound data