

# **Audio Board**

## **Voltage, Resistance & Waveform Chart**

**Assembly 61-S0006-001**



**Audio Board**  
**ASSEMBLY: 61-S0006-001**

**Voltage, Resistance, and Waveform Chart**

Pin	Resistance		Voltage		Waveform
	Scale	R	Scale	V	
301					<i>All voltages +/- 10%.</i>
302				ground	
303				ground	
304					
305			16	15	
306					
307				ground	
308					
309				ground	
310					
311				ground	
312					
313					
314				ground	
315				ground	
316					
317					
318					
319			16		“0” in AM, LSB, USB, FSK “-15” in CW1, CW2, CW3
320					
321				ground	
322					
323				ground	
324			16		Varies from 0 to -4 volts - depends on VOX Delay Control
325				ground	
326			16	-14.8	.4 in Tune





"It Speaks for Itself"

**signal/one**

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Pin	Resistance		Voltage		Waveform
	Scale	R	Scale	V	
					<i>All voltages +/- 10%.</i>
<b>Q1</b>					
1			16	5.5	
2			1.6	0.4 to 1.0	
3			16	0	
4			1.6	0.4 to 1.0	
<b>Q2</b>					
Collector			16	10.8	
Base			4	1.2	
Emitter			1.6	0.6	
<b>Q3</b>					
Collector			16	13.5	
Base			16	7	
Emitter			16	6.2	
<b>Q4</b>					
1			4	0	
2			4	0	
3			16	-3	+0.2 in CW1 and Keyed
4			4	0	
<b>Q5</b>					
Collector			16	0	-5 in CW1
Base			16	0	-11.5 in CW1
Emitter			16	0	-12 in CW1



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Pin	Resistance		Voltage		Waveform
	Scale	R	Scale	V	
					<i>All voltages +/- 10%.</i>
<b>Q6</b>					
Collector			16	12	
Base			1.6	0.9	
Emitter			0.8	0.5	
<b>Q7</b>					
Collector			8	5	
Base			16	-13	
Emitter			16	-13.5	
<b>Q8</b>					
Collector			16	-15	
Base			4	0	
Emitter			4	0	
<b>Q9</b>					
1			16	9	
2			1.6	0.4 to 1.0	
3			1.6	0	
4			1.6	0.4 to 1.0	
<b>Q10</b>					
Collector			16	7.5	
Base			1.6	0.8	
Emitter			0.4	0.3	



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	Scale	R	Scale	V	
					<i>All voltages +/- 10%.</i>
<b>Q11</b>					
Collector			16	15	
Base			16	0	
Emitter			16	0	
<b>Q12</b>					
Collector			16	-15	
Base			16	0	
Emitter			16	0	
<b>Q13</b>					
Collector			16	12	
Base			4	-3.5	
Emitter			4	-3.0	
<b>Q14</b>					
Collector			16	-12	
Base			4	-3.0	
Emitter			4	-2.5	
<b>Q15</b>					
Collector			16	-12	
Base			4	-3.0	
Emitter			4	-2.5	



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Pin	Resistance		Voltage		Waveform
	Scale	R	Scale	V	
<b>Q16</b>					
Collector			16	-14.8	
Base			16	-14.6	
Emitter			16	-15	
<b>Q17</b>					
Collector			16	0.4	
Base			16	-14.9	
Emitter			16	-15	
<b>Q18</b>					
1			1.6	0	
2			1.6	0	
3			16	0.2	-7.5 in Tune
4			1.6	0	
<b>Q19</b>					
1			16	9	
2			1.6	0.4 to 1.0	
3			16	0	
4			1.6	0.4 to 1.0	