CHANGE LIST (CHANGES FROM K2/K3)

29OCT08
1. REPLACED MAX9714 WITH TPA3101D2 AMPLIFIERS (LOWER COST).
2. REPLACED MAX4477 WITH MAX4253 (LOWER POWER).
3. CHANGED SPEAKER MUTE PULLDOWN RESISTOR TO 10K FROM 11.8K FOR BOM CONSOLIDATION.
4. MADE THE SPEAKER MUTE SIGNAL VREF B AND THE HEADPHONES AMP MUTE SIGNAL GPIO 0
5. FIXED CONNECTIVITY ISSUES. PATH MAPS SHOULD BE CORRECT AND MATCH AUDIOSW DATABASE ENTRY
6. ADDED I/O PORTS
7. UPDATED PORT ASSIGNMENT TABLES
8. CHANGED 1/0 PORTS
9. FIXED FUNCTIONAL DESIGN REVIEW.
10. ADDED CROSS FUNCTIONAL DESIGN REVIEW.

K50/51 EVT "OIDO" AUDIO

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LINE OUT AMPLIFIER (MAX9724A)
APN: 35361637
VOLTAGE GAIN: 1.53, 3.69DB

2nd Order DAC Filter
HP: 3.52HZ
LP: 39KHZ
<table>
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<tr>
<th>FUNCTION</th>
<th>PIN</th>
<th>CONVERTER</th>
<th>VOLUME</th>
<th>ENABLE/CTRL TYPE</th>
<th>DETECT/INTERRUPT</th>
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<tr>
<td>Tweeter</td>
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<td>5</td>
<td>15</td>
<td>VREF B 100%</td>
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<td>12</td>
<td>GPIO 0</td>
<td>PORT D</td>
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<tr>
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<td>VREF A 50%</td>
<td>PORT A</td>
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<tr>
<td>External Microphone</td>
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<td>MCPGP38/ICHGP34</td>
<td>(PERIPH)MCPGP17/ICHGP6</td>
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<td>Digital Out</td>
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<td>PORT G</td>
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<td>Digital In</td>
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<td>Mikey Interrupt</td>
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<td>N/A</td>
<td>NCPBUS1/ICHBUS0</td>
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<td>MCPGP5/ICHGP1</td>
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**MIKEY RECEIVER CKT**

Write: 0x72  Read: 0x73  AHP 35332256

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**DIAGRAM**

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**AUDIO: MLB CONNECTOR**

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**APPLE INC.**

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**Drawing 51890471**

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**9/101**