1. All resistance values are in ohms, 0.1 watt +/- 5%.
2. All capacitance values are in microfarads.
3. All crystal & oscillator values are in hertz.
### Alternate Parts

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>REFERENCE DES</th>
<th>CRITICAL</th>
<th>BOM OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>000-0041</td>
<td>XPV[EEE:XPV]</td>
<td></td>
<td></td>
<td>GIVEN</td>
</tr>
<tr>
<td>1000-0041</td>
<td>[EEE:X5F]</td>
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<td></td>
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</tbody>
</table>

### Bar Code Label / EEE #'s

<table>
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<tr>
<th>PART NUMBER</th>
<th>QT</th>
<th>REFERENCE DES</th>
<th>CRITICAL</th>
<th>BOM OPTIONS</th>
</tr>
</thead>
<tbody>
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<tr>
<td>000-0041</td>
<td>1</td>
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</tr>
</tbody>
</table>
Left I/O Board Connector

Critical 35600 23456001-10F

FL3600 PLACE FL3600 CLOSE TO J3400
FL3601 PLACE FL3601 CLOSE TO J3500

M-ST-SM CRITICAL

1210-4SM1 90-OHM-100MA CRITICAL

QT500806-L121-9F

SYNC_MASTER=(Master) SYNC_DATE=(Master)

051-7226 5.0.0
PUT L4600, L4601, ACROSS THE MOAT
Battery Current Sense

P/N: DCIN ISENSE

Placement Note:
Place near R8307

DCIn Current Sense

Placement Note:
Place near R8308

TMP106 Thermal Sensor

Placement Note:
Place sensor on bottom side near L8300 and Q8301 and Q8302
Headphone Amplifier (MAX9724A)

VOLTAGE GAIN: 1.53

2nd Order DAC Filter
HP: 3.52 Hz
LP: 39 kHz

Audio: Headphone Amp
Sync Date = 01/17/2007

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www.vinafix.vn
1-Wire OverVoltage Protection

VOLTAGE DIVIDER FROM DCIN ENSURES VTH = VDCIN / 2

VTH = VDCIN * (RB / (RA + RB)) VOLTAGE DIVIDER FROM DCIN ENSURES Q6901

Q6901 USED AS BILATERAL SWITCH TO

VGS IS MET WHEN SYS_ONEWIRE IS HIGH OR LOW.

Inrush Limiter

SYSTEM LOAD DETECTION

System must provide 10K-70K impedance

Vth = (Vref / (R2b / (R1b + R2b))

VREF = 0.405V

VTH = 13.0V

ACIN Detection

Left I/O Power Connector
Battery Charge Current Limit
SMC_BATT_ISET
SMC_SYS_ISET

Adapter Input Current Limit
=PP3V42_G3H_ACIN

CHGR_VREF =PP3V42_G3H_ACIN

As shown, Isys =~4.6A max

Energy Star LDO

Battery Charge FETs

Voltage follower guarantees current limit circuits are protected with sufficient current without sensing current from VREF.

Input Paths (Input Protection)

Energy Star LDO

Battery Charge Current Limit

Adapter Input Current Limit