

ATHENA II Connectors

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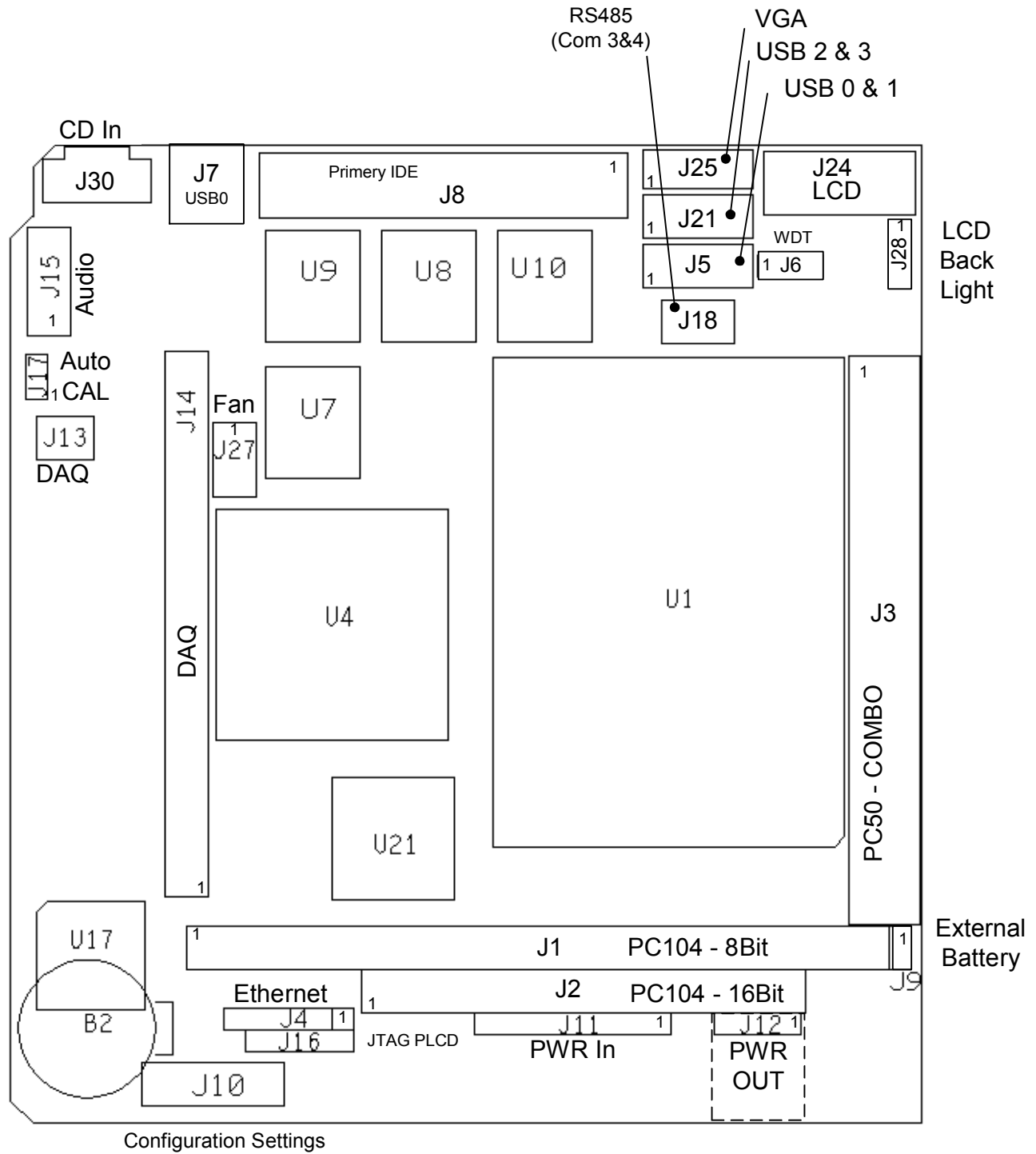


Figure 1. Athena II Connectors

Athena II CPU board connectors and cables

| 0,0 is lower right corner of board. | | | | | | | | | |
|-------------------------------------|--------|--------|--------|-------|------------|------------------|----------|------------------|--------------|
| | X axis | | Y axis | | Type | Function | Nbr Pins | Cable | Keying |
| | inches | mm | inches | mm | | | | | |
| J1 | 3.300 | 83.8 | 0.750 | 19.1 | pin A1 | PC-104 8b | 2x32=64 | - | 10B |
| J2 | 2.500 | 63.5 | 0.650 | 16.5 | pin C1 | PC-104 16b | 2x20=40 | - | 20C |
| J3 | 0.260 | 6.6 | 3.185 | 80.9 | pin 1 | PC50-COMBO | 2x50=100 | C-PRZ-01 | |
| J4 | 2.650 | 67.3 | 0.475 | 12.1 | pin 1 | Ethernet | 1x6 | C-PRZ-02 | |
| J5 | 1.225 | 31.1 | 3.875 | 98.4 | pin 1 | USB 0 & 1 | 2x5=10 | 6981012 | Pin 1 clip |
| J6 | 0.700 | | 3.925 | | pin 1 | WDT | 1x3=3 | - | |
| J7 | 3.325 | 84.5 | 4.283 | 108.8 | Centerline | USB 0 | 9 | - | |
| J8 | 2.190 | 55.6 | 4.283 | 108.8 | Centerline | Primary IDE | 2x22=44 | 6981004 | Pin 20 clip |
| J9 | 0.100 | 2.5 | 0.850 | 21.59 | pin 1 | External Battery | 2x2=2 | 6981011 | |
| J10 | | | | | pin 1 | Configuration | 2x8=16 | - | |
| J11 | 1.200 | 30.5 | 0.450 | 11.4 | pin 1 | Power In | 1x9=9 | 6981009 | Pin 3 clip |
| J12 | 0.600 | 15.24 | 0.450 | 11.4 | pin 1 | HDD PWR Out | 1x4=4 | 6981006 | |
| J13 | 4.0050 | 101.73 | 3.115 | 79.13 | pin 1 | DAQ | 2x3=6 | - | |
| J14 | 3.320 | 84.3 | 1.085 | 27.5 | pin 1 | DAQ | 2x25=50 | C-50-18 | |
| J15 | 3.950 | 100.5 | 3.650 | 92.7 | pin 1 | Audio | 2x5=10 | 6981031-A | Pin 9 clip |
| J16 | 2.650 | 67.3 | 0.375 | 9.5 | pin 1 | JTAG (CPLD) | 1x5=5 | - | |
| J17 | 4.055 | 103.0 | 3.360 | 85.34 | pin 1 | Auto CAL | 1x2=2 | - | |
| J18 | 1.156 | 29.36 | 3.640 | 92.45 | pin 1 | RS485 COM 3&4 | 2x4=8 | | |
| J21 | 1.225 | 31.1 | 4.100 | 104.1 | pin 1 | USB 2 & 3 | 2x4=8 | 6981032 | Pin 1&2 clip |
| J24 | 0.375 | 9.5 | 4.300 | 109.3 | Centerline | LVDS LCD | 30 | - | |
| J25 | 1.225 | 31.1 | 4.325 | 109.8 | pin 1 | VGA Output | 2x5=10 | 6981030-A VGA | |
| J27 | 3.128 | 79.4 | 3.120 | 79.2 | pin 1 | Fan | 1x3=3 | - | |
| J28 | 0.100 | 2.5 | 4.075 | 103.5 | pin 1 | LCD Backlight | 3 | - | |
| J30 | 3.630 | 92.2 | 4.310 | 109.5 | pin 1 | CD In | 4 | - | |

Notes for corrections