HiFive Unmatched Schematics

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HiFive Unmatched Board

Power Supply Section

Thermistor (2)

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reset and hence signal is inverted.
Please contact Asmedia for ASM2824 Section schematics
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Please contact Asmedia for ASM1042A-48 Section schematics
Please contact Asmedia for ASM1074 Section schematics
The voltages VDDP_2V5 and VDDP_3V3 will be enabled along with VDDP_3V3. The voltages VDDP_2V5 and VDDP_3V3 will be enabled along with VDDP_3V3. The voltages VDDP_2V5 and VDDP_3V3 will be enabled along with VDDP_3V3.
Revision History

Revision 1  18-Aug-2020
- Initial revision

Revision 2  11-Nov-2020
- Removed J12 - 120V 3V3 Header
- Removed resistors R409, R410, R411, R412, R413 and connect directly
- Removed resistors R414, R415, R416, R417, R418 and connect directly
- Removed resistors R419, R420, R421, R422, R423 and connect directly
- Removed Q5, R4, R5, R6 - CPU fan PWM control
- Connect VDDX_12V0 directly to Fan header J21
- J21 - Changed to 2-pin from 3-pin
- PWM1, PWM2 Made NC
- Removed J10, R92 - MMCX connector for HFXCLK
- R72 - Made DNP, R79 Mount 0E resistor for HFXSEL strap option
- R26 - JTAG_TDI Pull-up made DNP
- R34, R210 - SIPD, SPI0_CS pull-up made DNP
- R116, R178 - Changed 100K to 10K - Enable Fan2, Fan3 on powerup
- J22 - Made mount from DNP
- Added text near R345 connector for LED colors in Ethernet page
- C367 changed to 470pF
- Added R4, 10K pull down from U36, pin D5, TP
- Removed the 1.05V regulator U25 and section. C246,C292,C293,C247,C248,R102,R42,R175
- Add U26,C461,R283,D22
- Add 0.9V,20A Regulator U24 for core supplies. U24,L1,C246,C247,C248,C292,C293,C452,C453,C457,C459,C463,C478,C481,C483,C485,C487,C532,R5,R6,R102,R221,R284,R286,R291,R294,R300,R301,R313
- Remove R343,R344
- Include MK1, MK2 SMD standoff to hold M.2 card
- Moddy M1,M2,M3,M14 with M2.5 thread

Revision 3  24-Mar-2021
- Changed DDR4 memories to 16Gb from 8Gb - U13,U14,U15,U16,U17,U19,U20,U21
- Changed value of R221 to 38.3K,R285,R288 to 10E and C453 to 10nF
- Made J7, microUSB connector DNP
- Made 37, microUSB connector DNP
- Changed C459 from 100uF ceramic to 560uF electrolytic
- U24 PGND pin connected to GND
- Changed value of R310,R311,R312,R313,R314,R316,R317,R320,R321,R336,R337,R348,R353,R370,R371,R384,R385 from 33E to 0E
- Added Heatsink fan K1
- Updated part number for heatsink and fan for FU740
- Added PS1 Thermal paste as component
- Removed resistor at R180
- ADDED Diode in place of resistor at R180,R181