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Enclustra User Schematics

Disclaimer

User schematics do not include proprietary Enclustra design elements, such as power supply circuits. These circuits use optimized designs which are extremely compact and remain proprietary to Enclustra. The user manual provides all necessary information to use the module and its interfaces.

User schematics are provided after purchase of Enclustra hardware, and may also be provided in certain cases before purchase, to assist in product evaluation.

No part of the schematics may be copied or modified without written permission from Enclustra.

Full schematics, including a full bill-of-materials, are available through the purchase of a hardware licence for the product in question. Please contact Enclustra Sales for more information.

Note: DNE = Do Not Equip (parts not equipped by default)

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D Mercury+ KX2 FPGA Module Revision 2.2 Sheet 1: Cover Sheet 15: USB 2.0 Device Controller | JTAG \mathbf{C} Sheet 16: USB 2.0 Multiplexers | Level Shifters Sheet 2: FPGA Banks 0 | 14 | Configuration Sheet 3: FPGA Banks 12 | 13 | 15 | 16 | MGT Sheet 17: Power 3.3V | 1.0V Sheet 4: FPGA Banks 32 | 33 | 34 Sheet 18: Power DDR3 | 2.5V | VTT **Sheet 5: FPGA Power** Sheet 19: Power 1.2V | 1.8V | 2.0V **Sheet 20: Mechanics** Sheet 6: FPGA Decoupling Sheet 7: Module Connector A | B **Sheet 21: Assembly Variants Sheet 8: Module Connector C** B Sheet 9: Quad SPI FLASH | Oscillators Sheet 10: DDR3L SDRAM Bytes 0 - 3 Sheet 11: DDR3L SDRAM Bytes 4 - 7 Sheet 12: Gigabit Ethernet PHY 0 Sheet 13: Gigabit Ethernet PHY 1 Sheet 14: I2C Level Shifter | User LEDs | Secure EEPROM A © 2017 by Enclustra GmbH 1 COVER Customer No 0000 R2.2 Confidential DNE = do not equipRevision **Enclustra GmbH** Mercury+ KX2 430 Designed MHEI 2 Mar 2017 1 / 21 Sheet/sheets

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