

Dear valued customer,

to avoid startup problems with customer-developed adapterboards receiving our product

"EFM03 Artix-7 FPGA module with USB 3.0",

we want to inform you about design guidelines, that have to be met by a custom board.

Manufacturer Part Numbers	Subject	Action
C028336 EFM03 Beastboard	The net "FX3_RESET#" needs an external driving source.	When the input is not driven by your design, a pullup resistor is required to guarantee a logic high level. We recommend to connect a resistor of 10 kOhm between J2/16 (FX3_RESET#) and J2/15 (FX3_3.3V).

When the EFM-03 is used with one of the breakout boards „EFM-02 breakout board“ order no. C028232 or „EFM-03 breakout board“ order no. C028384, no additional resistor is required. The breakout boards will drive the signal „FX3_RESET“ to a logic high level when the Reset button is not pressed.

Additional information for users of our product EFM-02: When using EFM-02, order no. C028303 or C028304, an external resistor is not required, but it does not matter if it is present.

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This Application Note AN102 in Revision B supersedes Revision A. Net „FX3_RESET#“ is connected to J2/16 and not to J2/24.