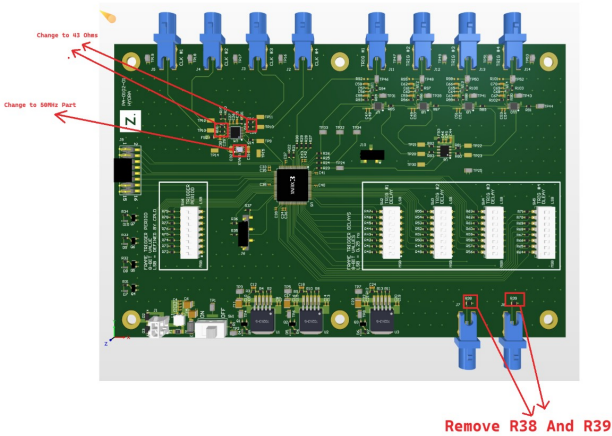


ECO-PA-0102-01-0001

NOTE THIS EDIT IS REQUIRED TO CREATE 50MHz HYDRA

Hydra PCB Changes

Follow the instructions to convert the PA-0102-01(Standard Hydra Assembly) to a 50MHz Hydra system.
Change 1 : Change the clock lines resistance to 43 Ohms. R15,R16,R17,R18 to 43 Ohms.
(can be avoided) Change 2 : Modify the crystal at position XTAL_1 to ECS-500-18-33-AGM-TR. which is a 50MHz crystal oscillator.
Change 3 : Remove the Resistors at position R38 and R39.
Change 4 : Change the crystal Loading capacitors to 36pF. Designators of caps are C31 & C32.



STANDARD ELECTRICAL SHORT JUMPER J10
MUST BE BETWEEN PIN 1 & 2

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