
Burned the dsPIC 33F, it is possible replace it?

Posted by folghera - 2008/06/18 17:54

Hi everybody,

I think I have burned the dsPIC33FJ.. on my Full-Flex board when I was trying to acquire same analog signals from a potentiometer (I am not a beginner in Electronics, but this thinks happens if you start to interface the device with something)..

I am no sure about it because seems (due to the led blinking) that my application inside the micro-processor is still running.

The problem is that I can not program anymore the board, MPLAB ICD2 application tell me that the target device (dsPIC33FJ) is wrong:

```
Running ICD Self Test
...Passed
MPLAB ICD 2 Ready
Connecting to MPLAB ICD 2
...Connected
Setting Vdd source to target
ICDWarn0020: Invalid target device id (expected=0xBF, read=0x0)
...Reading ICD Product ID
```

My question is, because I have some machines to soldering SMT components, can I just buy a new chip and change the one on the board?

On the DSC microcontroller there is installed a special operative system when I buy the (FLEX) board?

Thank you in advance for opinions.

Ciao.

Michele Folgheraiter

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Re:Burned the dsPIC 33F, it is possible replace it?

Posted by paolo.gai - 2008/06/19 19:47

Hi... sorry for hear that...

We tried hard to make the FLEX power supply robust and to pot resistor to protect the microcontroller... but it is not possible for -all- the pins...

The Flex board comes without RTOS installed, and for that reason you can try a rework to substitute the chip...

bye,

PJ

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Re:Burned the dsPIC 33F, it is possible replace it

Posted by folghera - 2008/06/20 10:14

Thanks Paolo.

So probably I will prepare an interface for the board.

Maybe for the next FLEX-Board you can think a possibility to change the DSC easely ;). Can be an Improvement.

In any case thanks for your work.

Michele.

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Re:Burned the dsPIC 33F, it is possible replace it

Posted by paolo.gai - 2008/06/20 11:21

Welll... when we designed the system, it was designed with that in mind. In particular, look at the board. There is a set of holes surrounding the chip. Put there a set of strip, and you'll find that the pinout is compatible with the Microchip PIMs (allowing you to try different chips, PIC24, and so on.

There is not a product like that simply because the strip alone costs more than the microcontroller and we did not want to raise too much the price of the boards...

Paolo

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Re:Burned the dsPIC 33F, it is possible replace it

Posted by folghera - 2008/06/20 11:44

Ok Paolo, now I understood :)

Michele.