

# **RIFF JTAG Error codes and troubleshooting**

## **ERROR: Failed due to multiple communication errors.**

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This error is returned in case that connection between box and target device is unstable.

- Badly connected/soldered
- Bad ribbon cable
- RTCK/TCK sampling rate too high
- In rare cases, target device is malfunctioning, or it's powered off.

First (and easiest) solution to try is to lower down the sampling rate:

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JTAG TCK Speed:

RTCK

Sample at MAX

Sample at MAX

Sample at 20 kHz

Sample at 40 kHz

Sample at 60 kHz

Sample at 80 kHz

Sample at 100 kHz

Sample at 200 kHz

Sample at 400 kHz

Sample at 800 kHz

Sample at 1 MHz

Sample at 2 MHz

Sample at 3 MHz

Sample at 4 MHz

Sample at 6 MHz

Sample at 8 MHz

Sample at 9 MHz

Sample at 10 MHz

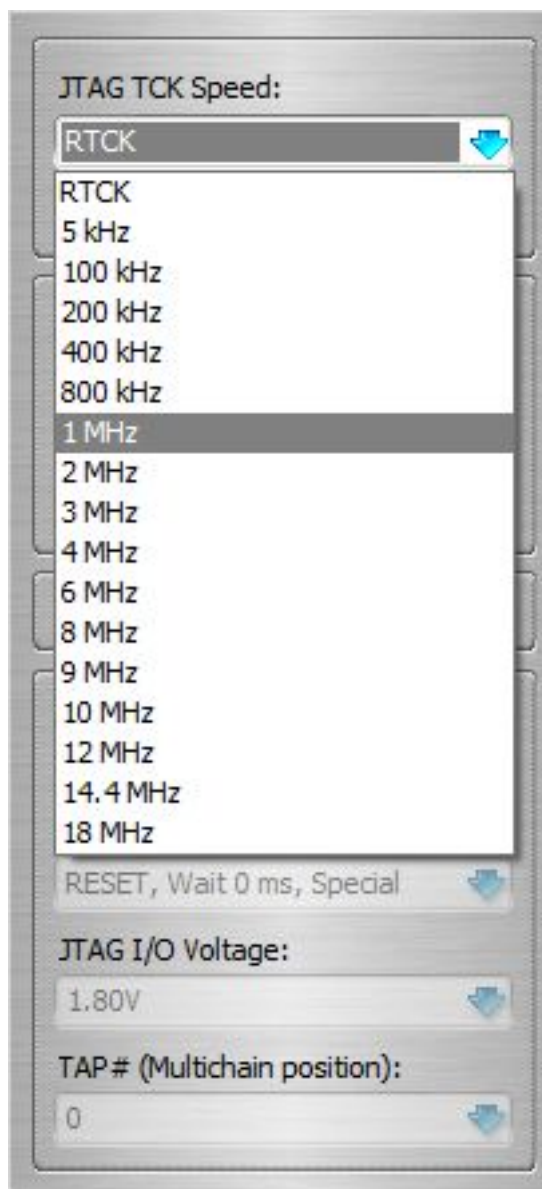
Sample at 12 MHz

1.80V

TAP# (Multichain position):

0

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If this doesn't help, user should check connection cables/soldering/JIG.

Unique solution ID: #1059

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