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Open On-Chip Debugger 0.10.0-dev-00010-g96aab7b (2018-07-13-06:51)
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For bug reports, read
  http://openocd.org/doc/doxygen/bugs.html
srst_only separate srst_nogate srst_open_drain connect_assert_srst
Info : The selected transport took over low-level target control. The results might differ
  compared to plain JTAG/SWD
adapter_nsrst_delay: 100
adapter_speed: 1800 kHz
Info : clock speed 1800 kHz
Info : STLINK v2.1 JTAG v25 API v2 M14 VID 0x0483 PID 0x374B
Info : using stlink api v2
Info : Target voltage: 3.234851
Info : Stlink adapter speed set to 1800 kHz
Warn : Silicon bug: single stepping will enter pending exception handler!
Info : STM32F746NGHx.cpu: hardware has 8 breakpoints, 4 watchpoints
Info : Stlink adapter speed set to 1800 kHz
adapter speed: 1800 kHz
target halted due to debug-request, current mode: Thread
xPSR: 0x01000000 pc: 0x08001648 msp: 0x20050000
Info : Stlink adapter speed set to 4000 kHz
adapter speed: 4000 kHz
** Programming Started **
auto erase enabled
Info : flash size probed value 1024
Info : flash size probed value 1024
Warn : no flash bank found for address 20000000
Warn : no flash bank found for address c0000000
wrote 524288 bytes from file Debug/STM32F746_Discovery.elf in 6.547740s (78.195 KiB/s)
** Programming Finished **
** Verify Started **
target halted due to breakpoint, current mode: Thread
xPSR: 0x61000000 pc: 0x2000002e msp: 0x20050000
target halted due to breakpoint, current mode: Thread
xPSR: 0x61000000 pc: 0x2000002e msp: 0x20050000
Error: checksum mismatch - attempting binary compare
diff 0 address 0x20000000. Was 0x02 instead of 0x00
diff 1 address 0x20000001. Was 0x46 instead of 0x00
diff 2 address 0x20000003. Was 0x20 instead of 0x00
diff 3 address 0x20000004. Was 0xc0 instead of 0x00
diff 4 address 0x20000005. Was 0x43 instead of 0x00
diff 5 address 0x20000006. Was 0x0a instead of 0x00
diff 6 address 0x20000007. Was 0x4e instead of 0x00
diff 7 address 0x20000008. Was 0x0b instead of 0x00
diff 8 address 0x20000009. Was 0x46 instead of 0x00
diff 9 address 0x2000000b. Was 0x24 instead of 0x00
diff 10 address 0x2000000c. Was 0x0d instead of 0x00
diff 11 address 0x2000000d. Was 0xe0 instead of 0x00
diff 12 address 0x2000000e. Was 0x11 instead of 0x00
diff 13 address 0x2000000f. Was 0x5d instead of 0x00
diff 14 address 0x20000010. Was 0x09 instead of 0x00
diff 15 address 0x20000011. Was 0x06 instead of 0x00
diff 16 address 0x20000012. Was 0x48 instead of 0x00
diff 17 address 0x20000013. Was 0x40 instead of 0x00
diff 18 address 0x20000015. Was 0x25 instead of 0x00
diff 19 address 0x20000017. Was 0x28 instead of 0x00
diff 20 address 0x20000018. Was 0x02 instead of 0x00
diff 21 address 0x20000019. Was 0xda instead of 0x00
diff 22 address 0x2000001a. Was 0x40 instead of 0x00
diff 23 address 0x2000001c. Was 0x70 instead of 0x00
diff 24 address 0x2000001d. Was 0x40 instead of 0x00
diff 25 address 0x2000001f. Was 0xe0 instead of 0x00
diff 26 address 0x20000020. Was 0x40 instead of 0x00
diff 27 address 0x20000022. Was 0x01 instead of 0x00
diff 28 address 0x20000023. Was 0x35 instead of 0x00
diff 29 address 0x20000024. Was 0x08 instead of 0x00
diff 30 address 0x20000025. Was 0x2d instead of 0x00
diff 31 address 0x20000026. Was 0xf6 instead of 0x00
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diff 32 address 0x20000027. Was 0xd1 instead of 0x00
diff 33 address 0x20000028. Was 0x01 instead of 0x00
diff 34 address 0x20000029. Was 0x34 instead of 0x00
diff 35 address 0x2000002a. Was 0x9c instead of 0x00
diff 36 address 0x2000002b. Was 0x42 instead of 0x00
diff 37 address 0x2000002c. Was 0xef instead of 0x00
diff 38 address 0x2000002d. Was 0xd1 instead of 0x00
diff 39 address 0x2000002f. Was 0xbe instead of 0x00
diff 40 address 0x20000030. Was 0xb7 instead of 0x00
diff 41 address 0x20000031. Was 0x1d instead of 0x00
diff 42 address 0x20000032. Was 0xc1 instead of 0x00
diff 43 address 0x20000033. Was 0x04 instead of 0x00
diff 44 address 0x20000034. Was 0x21 instead of 0x00
diff 45 address 0x20000035. Was 0xe0 instead of 0x00
diff 46 address 0x20000036. Was 0x45 instead of 0x00
diff 47 address 0x20000037. Was 0x68 instead of 0x00
diff 48 address 0x20000038. Was 0x04 instead of 0x00
diff 49 address 0x20000039. Was 0x68 instead of 0x00
diff 50 address 0x2000003a. Was 0xa5 instead of 0x00
diff 51 address 0x2000003b. Was 0x42 instead of 0x00
diff 52 address 0x2000003c. Was 0xf5 instead of 0x00
diff 53 address 0x2000003d. Was 0xd0 instead of 0x00
diff 54 address 0x2000003e. Was 0x44 instead of 0x00
diff 55 address 0x2000003f. Was 0x68 instead of 0x00
diff 56 address 0x20000040. Was 0x24 instead of 0x00
diff 57 address 0x20000041. Was 0x68 instead of 0x00
diff 58 address 0x20000042. Was 0x42 instead of 0x00
diff 59 address 0x20000043. Was 0xf8 instead of 0x00
diff 60 address 0x20000044. Was 0x04 instead of 0x00
diff 61 address 0x20000045. Was 0x4b instead of 0x00
diff 62 address 0x20000046. Was 0x44 instead of 0x00
diff 63 address 0x20000047. Was 0x68 instead of 0x00
diff 64 address 0x20000048. Was 0x8c instead of 0x00
diff 65 address 0x20000049. Was 0x42 instead of 0x00
diff 66 address 0x2000004a. Was 0x2f instead of 0x00
diff 67 address 0x2000004b. Was 0xbf instead of 0x00
diff 68 address 0x2000004c. Was 0xc0 instead of 0x00
diff 69 address 0x2000004d. Was 0xf8 instead of 0x00
diff 70 address 0x2000004e. Was 0x04 instead of 0x00
diff 71 address 0x2000004f. Was 0xc0 instead of 0x00
diff 72 address 0x20000050. Was 0x44 instead of 0x00
diff 73 address 0x20000051. Was 0x68 instead of 0x00
diff 74 address 0x20000052. Was 0x04 instead of 0x00
diff 75 address 0x20000053. Was 0x34 instead of 0x00
diff 76 address 0x20000054. Was 0x44 instead of 0x00
diff 77 address 0x20000055. Was 0x60 instead of 0x00
diff 78 address 0x20000056. Was 0xbf instead of 0x00
diff 79 address 0x20000057. Was 0xf3 instead of 0x00
diff 80 address 0x20000058. Was 0x4f instead of 0x00
diff 81 address 0x20000059. Was 0x8f instead of 0x00
diff 82 address 0x2000005a. Was 0x34 instead of 0x00
diff 83 address 0x2000005b. Was 0x68 instead of 0x00
diff 84 address 0x2000005c. Was 0x14 instead of 0x00
diff 85 address 0x2000005d. Was 0xf4 instead of 0x00
diff 86 address 0x2000005e. Was 0x80 instead of 0x00
diff 87 address 0x2000005f. Was 0x3f instead of 0x00
diff 88 address 0x20000060. Was 0xfb instead of 0x00
diff 89 address 0x20000061. Was 0xd1 instead of 0x00
diff 90 address 0x20000062. Was 0x34 instead of 0x00
diff 91 address 0x20000063. Was 0x68 instead of 0x00
diff 92 address 0x20000064. Was 0x14 instead of 0x00
diff 93 address 0x20000065. Was 0xf0 instead of 0x00
diff 94 address 0x20000066. Was 0x01 instead of 0x00
diff 95 address 0x20000067. Was 0x0f instead of 0x00
diff 96 address 0x20000068. Was 0x03 instead of 0x00
diff 97 address 0x20000069. Was 0xd0 instead of 0x00
diff 98 address 0x2000006a. Was 0x34 instead of 0x00
diff 99 address 0x2000006b. Was 0x68 instead of 0x00

diff 100 address 0x2000006c. Was 0x44 instead of 0x00
diff 101 address 0x2000006d. Was 0xf0 instead of 0x00
diff 102 address 0x2000006e. Was 0x01 instead of 0x00
diff 103 address 0x2000006f. Was 0x04 instead of 0x00
diff 104 address 0x20000070. Was 0x34 instead of 0x00
diff 105 address 0x20000071. Was 0x60 instead of 0x00
diff 106 address 0x20000072. Was 0x07 instead of 0x00
diff 107 address 0x20000073. Was 0xf1 instead of 0x00
diff 108 address 0x20000074. Was 0x01 instead of 0x00
diff 109 address 0x20000075. Was 0x07 instead of 0x00
diff 110 address 0x20000076. Was 0x9f instead of 0x00
diff 111 address 0x20000077. Was 0x42 instead of 0x00
diff 112 address 0x20000078. Was 0xdd instead of 0x00
diff 113 address 0x20000079. Was 0xd1 instead of 0x00
diff 114 address 0x2000007a. Was 0x43 instead of 0x00
diff 115 address 0x2000007b. Was 0xf6 instead of 0x00
diff 116 address 0x2000007c. Was 0x0c instead of 0x00
diff 117 address 0x2000007d. Was 0x40 instead of 0x00
diff 118 address 0x2000007e. Was 0xc4 instead of 0x00
diff 119 address 0x2000007f. Was 0xf2 instead of 0x00
diff 120 address 0x20000080. Was 0x02 instead of 0x00
diff 121 address 0x20000083. Was 0x68 instead of 0x00
diff 122 address 0x20000085. Was 0xbe instead of 0x00
diff 123 address 0x20000086. Was 0xe9 instead of 0x00
diff 124 address 0x20000087. Was 0xff instead of 0x00
diff 125 address 0x20000088. Was 0x90 instead of 0x00
diff 126 address 0x20000089. Was 0x01 instead of 0x00
diff 127 address 0x2000008b. Was 0x20 instead of 0x00

More than 128 errors, the rest are not printed.

** Verify Failed **

shutdown command invoked