

File Control

Step Run Stop

Reset

State: stopped

CPU Registers CP15

CPU Mode: System

USR/SYS FIQ SVC ABT IRQ UDN

HEX U32 S32

Register Value

| | |
|----------|----------|
| R0 | 00000001 |
| R1 | 00000000 |
| R2 | 00000001 |
| R3 | 0000028F |
| R4 | 00000004 |
| R5 | 0000CE4C |
| R6 | 0000CE50 |
| R7 | 00008040 |
| R8 | 0000CE24 |
| R9 | 0000B854 |
| R10 | 00000000 |
| R11 | 00004F40 |
| R12 | 200000DF |
| R13 (LR) | 0000D010 |
| R14 (SP) | 00004F34 |
| R15 (PC) | 0000D01C |
| CPSR | 2000005F |

Flags in CPSR

| | | | | | | |
|---|---|---|---|---|---|---|
| N | Z | C | V | A | I | F |
| 0 | 0 | 1 | 0 | 0 | 0 | 1 |

Source Code Disassembly

| | | |
|------------|------------|-------------------------|
| 0x0000CFFC | 0xEAFFFFF4 | b #0xcfd4 |
| 0x0000D000 | 0xE3A02001 | mov r2, #1 |
| 0x0000D004 | 0xE59F104C | ldr r1, [pc, #0x4c] |
| 0x0000D008 | 0xE51B0008 | ldr r0, [fp, #-8] |
| 0x0000D00C | 0xEB000145 | bl #0xd528 |
| 0x0000D010 | 0xE3A03000 | mov r3, #0 |
| 0x0000D014 | 0xE50B300C | str r3, [fp, #-0xc] |
| 0x0000D018 | 0xE51B300C | ldr r3, [fp, #-0xc] |
| 0x0000D01C | 0xE3530B01 | cmp r3, #0x400 |
| 0x0000D020 | 0xB3A03001 | movlt r3, #1 |
| 0x0000D024 | 0xA3A03000 | movge r3, #0 |
| 0x0000D028 | 0xE6EF3073 | uxtb r3, r3 |
| 0x0000D02C | 0xE3530000 | cmp r3, #0 |
| 0x0000D030 | 0x0AFFFE1 | beq #0xcfb |
| 0x0000D034 | 0xE51B300C | ldr r3, [fp, #-0xc] |
| 0x0000D038 | 0xE2833001 | add r3, r3, #1 |
| 0x0000D03C | 0xE50B300C | str r3, [fp, #-0xc] |
| 0x0000D040 | 0xEAFFFFF4 | b #0xd018 |
| 0x0000D044 | 0x0000E11C | andeq lr, r0, ip, lsl r |
| 0x0000D048 | 0x0000E128 | andeq lr, r0, r8, lsr # |

Logs

Options Clear Copy

```
[debug][interrupt_controller.cpp:204] Basic IRQ ARM_Timer has been signaled
[warning][core.cpp:367] IRQ exception
[debug][interrupt_controller.cpp:264] Basic IRQ ARM_Timer has been signaled
[warning][core.cpp:367] IRQ exception
[debug][interrupt_controller.cpp:264] Basic IRQ ARM_Timer has been signaled
[warning][core.cpp:367] IRQ exception
[debug][interrupt_controller.cpp:264] Basic IRQ ARM_Timer has been signaled
[warning][core.cpp:367] IRQ exception
[info][control_window.cpp:200] CPU execution has stopped
```

RAM GPIO IC ARM timer Monitor

Debug monitor: 80x25 8-bit characters

```
1: finding child = segd
2: child was not found
3: creating: segd
4: Finished FS initialization
5:
6: Created process with pid 1 (SP = 0x21000)
7: Created process with pid 2 (SP = 0x28000)
8: Created process with pid 3 (SP = 0x20000)
9:
10:
11: SSD1306 OLED display (128x32 pxls)
12: I2C addr = 0x3C (60 dec)
13:
14: My favourite sport is
15: ARM wrestling
16:
17:
18:
19:
20: process 2 file descriptor (rmdir)= 1
21: 418294306opening file: DEV:gpio/18
    descriptor = 0
338940474621931554527732535076234846925:
18681854161190600104478572298110939188:
834524632757932711601301463
```

SOS btn

GPIO pin: 16

Press

SSD1306 OLED

SSD1306 OLED display (128x32 pxls)
I2C addr = 0x3C (60 dec)

My favourite sport is
ARM wrestling

SOS LED

GPIO pin: 18

R: 23 G:255 B: 0 Color



Filter