

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```
//
// code
// Generated by Intel Hex
// code:0000-code:1531.1
//

*****
*                               *
*                               *
*****
thunk undefined Reset()
  Thunked-Function: FUN_code_017c
  R24:1      <RETURN>
  INT0 (code:0000+2)
  ↗ Reset
  XREF[8,1]:  Entry Point(*), Reset:01ad(I),
             Reset:01ad(j),
             FUN_code_0681:068e(c),
             FUN_code_0681:0691(c),
             FUN_code_0681:069b(c),
             FUN_code_0681:069e(c),
             FUN_code_0681:06a8(c),
             FUN_code_0681:06ab(j),
             Entry Point(*)

code:0000 0c 94 7c 01  jmp      FUN_code_017c

*****
*                               *
*                               *
*****
thunk undefined INT1()
  Thunked-Function: FUN_code_0916
  R24:1      <RETURN>
  TIMER2_COMP (code:0002+2)
  ↗ INT1
  XREF[1,1]:  Entry Point(*), Entry Point(*)

code:0002 0c 94 16 09  jmp      FUN_code_0916

*****
*                               *
*                               *
*****
thunk undefined TIMER2_OVF()
  Thunked-Function: FUN_code_08ea
  R24:1      <RETURN>
  TIMER1_CAPT (code:0004+2)
  ↗ TIMER2_OVF
  XREF[1,1]:  Entry Point(*), Entry Point(*)

code:0004 0c 94 ea 08  jmp      FUN_code_08ea

*****
*                               *
*                               *
*****
thunk undefined TIMER1_COMPA()
  Thunked-Function: FUN_code_08be
  R24:1      <RETURN>
  TIMER2_COMPB (code:0006+2)
  ↗ TIMER1_COMPA
  XREF[1,1]:  Entry Point(*), Entry Point(*)

code:0006 0c 94 be 08  jmp      FUN_code_08be

*****
*                               *
*                               *
*****
thunk undefined TIMER1_OVF()
  Thunked-Function: FUN_code_0892
  R24:1      <RETURN>
  TIMER0_OVF (code:0008+2)
  ↗ TIMER1_OVF
  XREF[1,1]:  Entry Point(*), Entry Point(*)

code:0008 0c 94 92 08  jmp      FUN_code_0892

*****
*                               *
*                               *
*****
thunk undefined SPI_STC()
  Thunked-Function: FUN_code_0866
  R24:1      <RETURN>
  USART_RXC (code:000a+2)
  ↗ SPI_STC
  XREF[1,1]:  Entry Point(*), Entry Point(*)

code:000a 0c 94 66 08  jmp      FUN_code_0866

*****
*                               *
*                               *
*****
thunk undefined USART_UDRE()
  Thunked-Function: FUN_code_083a
  R24:1      <RETURN>
  USART_TXC (code:000c+2)
  ↗ USART_UDRE
  XREF[1,1]:  Entry Point(*), Entry Point(*)

code:000c 0c 94 3a 08  jmp      FUN_code_083a
```

Ghidra RealSim Gear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```
*****
*                               *
*                               *
*****
thunk undefined ADC()
  Thunked-Function: Reset
  R24:l <RETURN>
undefined EE_RDY (code:000e+2) XREF[1,1]: Entry Point(*), Entry Point(*)
  ^ ADC
code:000e 0c 94 ad 01 jmp Reset

*****
*                               *
*                               *
*****
thunk undefined ANA_COMP()
  Thunked-Function: Reset
  R24:l <RETURN>
undefined TWI (code:0010+2) XREF[1,1]: Entry Point(*), Entry Point(*)
  ^ ANA_COMP
code:0010 0c 94 ad 01 jmp Reset

*****
*                               *
*                               *
*****
thunk undefined SPM_RDY()
  Thunked-Function: Reset
  R24:l <RETURN>
undefined ^ SPM_RDY XREF[1]: Entry Point(*)
code:0012 0c 94 ad 01 jmp Reset
code:0014 0c ?? 0Ch
code:0014.1 94 ?? 94h
code:0015 ad ?? ADh
code:0015.1 01 ?? 01h
code:0016 0c ?? 0Ch
code:0016.1 94 ?? 94h
code:0017 ad ?? ADh
code:0017.1 01 ?? 01h
code:0018 0c ?? 0Ch
code:0018.1 94 ?? 94h
code:0019 ad ?? ADh
code:0019.1 01 ?? 01h
code:001a 0c ?? 0Ch
code:001a.1 94 ?? 94h
code:001b ad ?? ADh
code:001b.1 01 ?? 01h
code:001c 0c ?? 0Ch
code:001c.1 94 ?? 94h
code:001d ad ?? ADh
code:001d.1 01 ?? 01h
code:001e 0c ?? 0Ch
code:001e.1 94 ?? 94h
code:001f ad ?? ADh
code:001f.1 01 ?? 01h
code:0020 0c ?? 0Ch
code:0020.1 94 ?? 94h
code:0021 ad ?? ADh
code:0021.1 01 ?? 01h
code:0022 0c ?? 0Ch
code:0022.1 94 ?? 94h
code:0023 ad ?? ADh
code:0023.1 01 ?? 01h
code:0024 0c ?? 0Ch
code:0024.1 94 ?? 94h
code:0025 ad ?? ADh
code:0025.1 01 ?? 01h
code:0026 0c ?? 0Ch
code:0026.1 94 ?? 94h
code:0027 ad ?? ADh
code:0027.1 01 ?? 01h
code:0028 0c ?? 0Ch
code:0028.1 94 ?? 94h
code:0029 ad ?? ADh
code:0029.1 01 ?? 01h
code:002a 0c ?? 0Ch
code:002a.1 94 ?? 94h
code:002b ad ?? ADh
code:002b.1 01 ?? 01h
code:002c 0c ?? 0Ch
code:002c.1 94 ?? 94h
code:002d ad ?? ADh
code:002d.1 01 ?? 01h
code:002e 0c ?? 0Ch
code:002e.1 94 ?? 94h
code:002f f0 ?? F0h
code:002f.1 07 ?? 07h
code:0030 0c ?? 0Ch
```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```
code:0030.1 94      ??      94h
code:0031 ad      ??      ADh
code:0031.1 01     ??      01h
code:0032 0c      ??      0Ch
code:0032.1 94     ??      94h
code:0033 ba      ??      BAh
code:0033.1 07     ??      07h
code:0034 0c      ??      0Ch
code:0034.1 94     ??      94h
code:0035 90      ??      90h
code:0035.1 07     ??      07h
code:0036 0c      ??      0Ch
code:0036.1 94     ??      94h
code:0037 ad      ??      ADh
code:0037.1 01     ??      01h
code:0038 0c      ??      0Ch
code:0038.1 94     ??      94h
code:0039 ad      ??      ADh
code:0039.1 01     ??      01h
code:003a 0c      ??      0Ch
code:003a.1 94     ??      94h
code:003b ad      ??      ADh
code:003b.1 01     ??      01h
code:003c 0c      ??      0Ch
code:003c.1 94     ??      94h
code:003d ad      ??      ADh
code:003d.1 01     ??      01h
code:003e 0c      ??      0Ch
code:003e.1 94     ??      94h
code:003f ad      ??      ADh
code:003f.1 01     ??      01h
code:0040 0c      ??      0Ch
code:0040.1 94     ??      94h
code:0041 ad      ??      ADh
code:0041.1 01     ??      01h
code:0042 0c      ??      0Ch
code:0042.1 94     ??      94h
code:0043 ad      ??      ADh
code:0043.1 01     ??      01h
code:0044 0c      ??      0Ch
code:0044.1 94     ??      94h
code:0045 ad      ??      ADh
code:0045.1 01     ??      01h
code:0046 0c      ??      0Ch
code:0046.1 94     ??      94h
code:0047 ad      ??      ADh
code:0047.1 01     ??      01h
code:0048 0c      ??      0Ch
code:0048.1 94     ??      94h
code:0049 ad      ??      ADh
code:0049.1 01     ??      01h
code:004a 0c      ??      0Ch
code:004a.1 94     ??      94h
code:004b ad      ??      ADh
code:004b.1 01     ??      01h
code:004c 0c      ??      0Ch
code:004c.1 94     ??      94h
code:004d ad      ??      ADh
code:004d.1 01     ??      01h
code:004e 0c      ??      0Ch
code:004e.1 94     ??      94h
code:004f ad      ??      ADh
code:004f.1 01     ??      01h
code:0050 0c      ??      0Ch
code:0050.1 94     ??      94h
code:0051 ad      ??      ADh
code:0051.1 01     ??      01h
code:0052 0c      ??      0Ch
code:0052.1 94     ??      94h
code:0053 ad      ??      ADh
code:0053.1 01     ??      01h
code:0054 0c      ??      0Ch
code:0054.1 94     ??      94h
code:0055 ad      ??      ADh
code:0055.1 01     ??      01h
code:0056 0c      ??      0Ch
code:0056.1 94     ??      94h
code:0057 ad      ??      ADh
code:0057.1 01     ??      01h
code:0058 0c      ??      0Ch
code:0058.1 94     ??      94h
code:0059 ad      ??      ADh
code:0059.1 01     ??      01h
code:005a 0c      ??      0Ch
code:005a.1 94     ??      94h
code:005b ad      ??      ADh
```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```
code:005b.1 01      ??      01h
code:005c 0c      ??      0Ch
code:005c.1 94      ??      94h
code:005d ad      ??      ADh
code:005d.1 01      ??      01h
code:005e 0c      ??      0Ch
code:005e.1 94      ??      94h
code:005f ad      ??      ADh
code:005f.1 01      ??      01h
code:0060 0c      ??      0Ch
code:0060.1 94      ??      94h
code:0061 ad      ??      ADh
code:0061.1 01      ??      01h
code:0062 0c      ??      0Ch
code:0062.1 94      ??      94h
code:0063 ad      ??      ADh
code:0063.1 01      ??      01h
code:0064 0c      ??      0Ch
code:0064.1 94      ??      94h
code:0065 ad      ??      ADh
code:0065.1 01      ??      01h
code:0066 0c      ??      0Ch
code:0066.1 94      ??      94h
code:0067 ad      ??      ADh
code:0067.1 01      ??      01h
code:0068 0c      ??      0Ch
code:0068.1 94      ??      94h
code:0069 ad      ??      ADh
code:0069.1 01      ??      01h
code:006a 0c      ??      0Ch
code:006a.1 94      ??      94h
code:006b ad      ??      ADh
code:006b.1 01      ??      01h
code:006c 0c      ??      0Ch
code:006c.1 94      ??      94h
code:006d ad      ??      ADh
code:006d.1 01      ??      01h
code:006e 0c      ??      0Ch
code:006e.1 94      ??      94h
code:006f ad      ??      ADh
code:006f.1 01      ??      01h
code:0070 0c      ??      0Ch
code:0070.1 94      ??      94h
code:0071 ad      ??      ADh
code:0071.1 01      ??      01h
code:0072 0c      ??      0Ch
code:0072.1 94      ??      94h
code:0073 af      ??      AFh
code:0073.1 01      ??      01h
code:0074 0c      ??      0Ch
code:0074.1 94      ??      94h
code:0075 2c      ??      2Ch
code:0075.1 03      ??      03h
code:0076 0c      ??      0Ch
code:0076.1 94      ??      94h
code:0077 c5      ??      C5h
code:0077.1 0f      ??      0Fh
code:0078 0c      ??      0Ch
code:0078.1 94      ??      94h
code:0079 10      ??      10h
code:0079.1 03      ??      03h
code:007a 0c      ??      0Ch
code:007a.1 94      ??      94h
code:007b 14      ??      14h
code:007b.1 03      ??      03h
code:007c 0c      ??      0Ch
code:007c.1 94      ??      94h
code:007d 28      ??      28h
code:007d.1 03      ??      03h
code:007e 0c      ??      0Ch
code:007e.1 94      ??      94h
code:007f 03      ??      03h
code:007f.1 03      ??      03h
code:0080 0c      ??      0Ch
code:0080.1 94      ??      94h
code:0081 17      ??      17h
code:0081.1 02      ??      02h
code:0082 0c      ??      0Ch
code:0082.1 94      ??      94h
code:0083 b7      ??      B7h
code:0083.1 02      ??      02h
code:0084 0c      ??      0Ch
code:0084.1 94      ??      94h
code:0085 14      ??      14h
code:0085.1 07      ??      07h
code:0086 0c      ??      0Ch
```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0086.1 94      ??      94h
code:0087 f5      ??      F5h
code:0087.1 01      ??      01h
code:0088 0c      ??      0Ch
code:0088.1 94      ??      94h
code:0089 35      ??      35h      5
code:0089.1 03      ??      03h
code:008a 0c      ??      0Ch
code:008a.1 94      ??      94h
code:008b 3a      ??      3Ah      :
code:008b.1 03      ??      03h
code:008c 0c      ??      0Ch
code:008c.1 94      ??      94h
code:008d 30      ??      30h      0
code:008d.1 03      ??      03h
code:008e 0c      ??      0Ch
code:008e.1 94      ??      94h
code:008f fb      ??      FBh
code:008f.1 02      ??      02h
code:0090 0c      ??      0Ch
code:0090.1 94      ??      94h
code:0091 09      ??      09h
code:0091.1 02      ??      02h
code:0092 0c      ??      0Ch
code:0092.1 94      ??      94h
code:0093 1a      ??      1Ah
code:0093.1 03      ??      03h
code:0094 0c      ??      0Ch
code:0094.1 94      ??      94h
code:0095 34      ??      34h      4
code:0095.1 04      ??      04h
code:0096 0c      ??      0Ch
code:0096.1 94      ??      94h
code:0097 42      ??      42h      B
code:0097.1 09      ??      09h
code:0098 0c      ??      0Ch
code:0098.1 94      ??      94h
code:0099 36      ??      36h      6
code:0099.1 03      ??      03h
code:009a 0c      ??      0Ch
code:009a.1 94      ??      94h
code:009b 07      ??      07h
code:009b.1 03      ??      03h
code:009c 0c      ??      0Ch
code:009c.1 94      ??      94h
code:009d ad      ??      ADh
code:009d.1 04      ??      04h
code:009e 0c      ??      0Ch
code:009e.1 94      ??      94h
code:009f 1e      ??      1Eh
code:009f.1 03      ??      03h
code:00a0 0c      ??      0Ch
code:00a0.1 94      ??      94h
code:00a1 0a      ??      0Ah
code:00a1.1 03      ??      03h
code:00a2 0c      ??      0Ch
code:00a2.1 94      ??      94h
code:00a3 e6      ??      E6h
code:00a3.1 01      ??      01h
code:00a4 0c      ??      0Ch
code:00a4.1 94      ??      94h
code:00a5 f5      ??      F5h
code:00a5.1 02      ??      02h
code:00a6 0c      ??      0Ch
code:00a6.1 94      ??      94h
code:00a7 4f      ??      4Fh      0
code:00a7.1 02      ??      02h
code:00a8 0c      ??      0Ch
code:00a8.1 94      ??      94h
code:00a9 22      ??      22h      "
code:00a9.1 03      ??      03h
code:00aa 0c      ??      0Ch
code:00aa.1 94      ??      94h
code:00ab b1      ??      B1h
code:00ab.1 04      ??      04h
code:00ac 0c      ??      0Ch
code:00ac.1 94      ??      94h
code:00ad ff      ??      FFh
code:00ad.1 02      ??      02h
code:00ae 2f      ??      2Fh      /
code:00ae.1 0a      ??      0Ah
code:00af 00      ??      00h
code:00af.1 23      ??      23h      #
code:00b0 00      ??      00h
code:00b0.1 23      ??      23h      #
code:00b1 00      ??      00h

```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:00b1.1 23      ??      23h  #
code:00b2 00      ??      00h
code:00b2.1 5c 23 23 ds      "\\####RealSimGear#"
23 23 52
65 61 6c ...
code:00bc 00      ??      00h
code:00bc.1 21      ??      21h  !
code:00bd 00      ??      00h
code:00bd.1 24      ??      24h  $
code:00be 00      ??      00h
code:00be.1 27      ??      27h  '
code:00bf 00      ??      00h
code:00bf.1 2a      ??      2Ah  *
code:00c0 00      ??      00h
code:00c0.1 2d      ??      2Dh  -
code:00c1 00      ??      00h
code:00c1.1 30      ??      30h  0
code:00c2 00      ??      00h
code:00c2.1 33      ??      33h  3
code:00c3 00      ??      00h
code:00c3.1 01      ??      01h
code:00c4 01      ??      01h
code:00c4.1 00      ??      00h
code:00c5 00      ??      00h
code:00c5.1 04      ??      04h
code:00c6 01      ??      01h
code:00c6.1 07      ??      07h
code:00c7 01      ??      01h
code:00c7.1 0a      ??      0Ah
code:00c8 01      ??      01h
code:00c8.1 00      ??      00h
code:00c9 00      ??      00h
code:00c9.1 22      ??      22h  "
code:00ca 00      ??      00h
code:00ca.1 25      ??      25h  %
code:00cb 00      ??      00h
code:00cb.1 28      ??      28h  (
code:00cc 00      ??      00h
code:00cc.1 2b      ??      2Bh  +
code:00cd 00      ??      00h
code:00cd.1 2e      ??      2Eh  .
code:00ce 00      ??      00h
code:00ce.1 31      ??      31h  1
code:00cf 00      ??      00h
code:00cf.1 34      ??      34h  4
code:00d0 00      ??      00h
code:00d0.1 02      ??      02h
code:00d1 01      ??      01h
code:00d1.1 00      ??      00h
code:00d2 00      ??      00h
code:00d2.1 05      ??      05h
code:00d3 01      ??      01h
code:00d3.1 08      ??      08h
code:00d4 01      ??      01h
code:00d4.1 0b      ??      0Bh
code:00d5 01      ??      01h
code:00d5.1 00      ??      00h
code:00d6 00      ??      00h
code:00d6.1 20      ??      20h
code:00d7 00      ??      00h
code:00d7.1 23      ??      23h  #
code:00d8 00      ??      00h
code:00d8.1 26      ??      26h  &
code:00d9 00      ??      00h
code:00d9.1 29      ??      29h  )
code:00da 00      ??      00h
code:00da.1 2c      ??      2Ch  ,
code:00db 00      ??      00h
code:00db.1 2f      ??      2Fh  /
code:00dc 00      ??      00h
code:00dc.1 32      ??      32h  2
code:00dd 00      ??      00h
code:00dd.1 00      ??      00h
code:00de 01      ??      01h
code:00de.1 00      ??      00h
code:00df 00      ??      00h
code:00df.1 03      ??      03h
code:00e0 01      ??      01h
code:00e0.1 06      ??      06h
code:00e1 01      ??      01h
code:00e1.1 09      ??      09h
code:00e2 01      ??      01h
code:00e2.1 05      ??      05h
code:00e3 05      ??      05h
code:00e3.1 05      ??      05h
code:00e4 05      ??      05h

```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```
code:00e4.1 07    ??    07h
code:00e5 05    ??    05h
code:00e5.1 08    ??    08h
code:00e6 08    ??    08h
code:00e6.1 08    ??    08h
code:00e7 08    ??    08h
code:00e7.1 02    ??    02h
code:00e8 02    ??    02h
code:00e8.1 02    ??    02h
code:00e9 02    ??    02h
code:00e9.1 0a    ??    0Ah
code:00ea 0a    ??    0Ah
code:00ea.1 08    ??    08h
code:00eb 08    ??    08h
code:00eb.1 04    ??    04h
code:00ec 04    ??    04h
code:00ec.1 04    ??    04h
code:00ed 04    ??    04h
code:00ed.1 01    ??    01h
code:00ee 01    ??    01h
code:00ee.1 01    ??    01h
code:00ef 01    ??    01h
code:00ef.1 01    ??    01h
code:00f0 01    ??    01h
code:00f0.1 01    ??    01h
code:00f1 01    ??    01h
code:00f1.1 03    ??    03h
code:00f2 03    ??    03h
code:00f2.1 03    ??    03h
code:00f3 03    ??    03h
code:00f3.1 03    ??    03h
code:00f4 03    ??    03h
code:00f4.1 03    ??    03h
code:00f5 03    ??    03h
code:00f5.1 04    ??    04h
code:00f6 07    ??    07h
code:00f6.1 07    ??    07h
code:00f7 07    ??    07h
code:00f7.1 0c    ??    0Ch
code:00f8 0c    ??    0Ch
code:00f8.1 0c    ??    0Ch
code:00f9 0c    ??    0Ch
code:00f9.1 0c    ??    0Ch
code:00fa 0c    ??    0Ch
code:00fa.1 0c    ??    0Ch
code:00fb 0c    ??    0Ch
code:00fb.1 02    ??    02h
code:00fc 02    ??    02h
code:00fc.1 02    ??    02h
code:00fd 02    ??    02h
code:00fd.1 06    ??    06h
code:00fe 06    ??    06h
code:00fe.1 06    ??    06h
code:00ff 06    ??    06h
code:00ff.1 06    ??    06h
code:0100 06    ??    06h
code:0100.1 06    ??    06h
code:0101 06    ??    06h
code:0101.1 0b    ??    0Bh
code:0102 0b    ??    0Bh
code:0102.1 0b    ??    0Bh
code:0103 0b    ??    0Bh
code:0103.1 0b    ??    0Bh
code:0104 0b    ??    0Bh
code:0104.1 0b    ??    0Bh
code:0105 0b    ??    0Bh
code:0105.1 01    ??    01h
code:0106 02    ??    02h
code:0106.1 10    ??    10h
code:0107 20    ??    20h
code:0107.1 20    ??    20h
code:0108 08    ??    08h
code:0108.1 08    ??    08h
code:0109 10    ??    10h
code:0109.1 20    ??    20h
code:010a 40    ??    40h    e
code:010a.1 10    ??    10h
code:010b 20    ??    20h
code:010b.1 40    ??    40h    e
code:010c 80    ??    80h
code:010c.1 02    ??    02h
code:010d 01    ??    01h
code:010d.1 02    ??    02h
code:010e 01    ??    01h
code:010e.1 08    ??    08h
code:010f 04    ??    04h
```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```
code:010f.1 02    ??    02h
code:0110 01     ??    01h
code:0110.1 01    ??    01h
code:0111 02     ??    02h
code:0111.1 04    ??    04h
code:0112 08     ??    08h
code:0112.1 10    ??    10h
code:0113 20     ??    20h
code:0113.1 40    ??    40h    e
code:0114 80     ??    80h
code:0114.1 80    ??    80h
code:0115 40     ??    40h    e
code:0115.1 20    ??    20h
code:0116 10     ??    10h
code:0116.1 08    ??    08h
code:0117 04     ??    04h
code:0117.1 02    ??    02h
code:0118 01     ??    01h
code:0118.1 80    ??    80h
code:0119 04     ??    04h
code:0119.1 02    ??    02h
code:011a 01     ??    01h
code:011a.1 80    ??    80h
code:011b 40     ??    40h    e
code:011b.1 20    ??    20h
code:011c 10     ??    10h
code:011c.1 08    ??    08h
code:011d 04     ??    04h
code:011d.1 02    ??    02h
code:011e 01     ??    01h
code:011e.1 08    ??    08h
code:011f 04     ??    04h
code:011f.1 02    ??    02h
code:0120 01     ??    01h
code:0120.1 01    ??    01h
code:0121 02     ??    02h
code:0121.1 04    ??    04h
code:0122 08     ??    08h
code:0122.1 10    ??    10h
code:0123 20     ??    20h
code:0123.1 40    ??    40h    e
code:0124 80     ??    80h
code:0124.1 01    ??    01h
code:0125 02     ??    02h
code:0125.1 04    ??    04h
code:0126 08     ??    08h
code:0126.1 10    ??    10h
code:0127 20     ??    20h
code:0127.1 40    ??    40h    e
code:0128 80     ??    80h
code:0128.1 00    ??    00h
code:0129 00     ??    00h
code:0129.1 0a    ??    0Ah
code:012a 0b     ??    0Bh
code:012a.1 02    ??    02h
code:012b 09     ??    09h
code:012b.1 0c    ??    0Ch
code:012c 0d     ??    0Dh
code:012c.1 0e    ??    0Eh
code:012d 08     ??    08h
code:012d.1 07    ??    07h
code:012e 03     ??    03h
code:012e.1 04    ??    04h
code:012f 01     ??    01h
code:012f.1 00    ??    00h
code:0130 00     ??    00h
code:0130.1 00    ??    00h
code:0131 00     ??    00h
code:0131.1 00    ??    00h
code:0132 00     ??    00h
code:0132.1 00    ??    00h
code:0133 00     ??    00h
code:0133.1 00    ??    00h
code:0134 00     ??    00h
code:0134.1 00    ??    00h
code:0135 00     ??    00h
code:0135.1 00    ??    00h
code:0136 00     ??    00h
code:0136.1 00    ??    00h
code:0137 00     ??    00h
code:0137.1 00    ??    00h
code:0138 00     ??    00h
code:0138.1 00    ??    00h
code:0139 00     ??    00h
code:0139.1 00    ??    00h
code:013a 00     ??    00h
```


Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:013a.1 00      ??      00h
code:013b 00      ??      00h
code:013b.1 00     ??      00h
code:013c 00      ??      00h
code:013c.1 00     ??      00h
code:013d 00      ??      00h
code:013d.1 00     ??      00h
code:013e 00      ??      00h
code:013e.1 12     ??      12h
code:013f 11      ??      11h
code:013f.1 10     ??      10h
code:0140 00      ??      00h
code:0140.1 00     ??      00h
code:0141 00      ??      00h
code:0141.1 00     ??      00h
code:0142 00      ??      00h
code:0142.1 00     ??      00h
code:0143 00      ??      00h
code:0143.1 00     ??      00h
code:0144 00      ??      00h
code:0144.1 00     ??      00h
code:0145 00      ??      00h
code:0145.1 00     ??      00h
code:0146 00      ??      00h
code:0146.1 00     ??      00h
code:0147 00      ??      00h
code:0147.1 00     ??      00h
code:0148 00      ??      00h
code:0148.1 00     ??      00h
code:0149 00      ??      00h
code:0149.1 00     ??      00h
code:014a 00      ??      00h
code:014a.1 00     ??      00h
code:014b 00      ??      00h
code:014b.1 2f     ??      2Fh /
code:014c 0a      ??      0Ah
code:014c.1 00     ??      00h
code:014d 23      ??      23h #
code:014d.1 00     ??      00h
code:014e 23      ??      23h #
code:014e.1 00     ??      00h
code:014f 23      ??      23h #
code:014f.1 00     ??      00h
code:0150 5c 23 23 ds      "\\####RealSimGear#"
      23 23 52
      65 61 6c ...
code:0159 3d      ??      3Dh =
code:0159.1 30     ??      30h 0
code:015a 0a      ??      0Ah
code:015a.1 00     ??      00h
code:015b 3d      ??      3Dh =
code:015b.1 31     ??      31h 1
code:015c 0a      ??      0Ah
code:015c.1 00     ??      00h
code:015d 0a      ??      0Ah
code:015d.1 00     ??      00h
code:015e 3d      ??      3Dh =
code:015e.1 30     ??      30h 0
code:015f 0a      ??      0Ah
code:015f.1 00     ??      00h
code:0160 3d      ??      3Dh =
code:0160.1 31     ??      31h 1
code:0161 0a      ??      0Ah
code:0161.1 00     ??      00h
code:0162 3d      ??      3Dh =
code:0162.1 30     ??      30h 0
code:0163 0a      ??      0Ah
code:0163.1 00     ??      00h
code:0164 3d      ??      3Dh =
code:0164.1 31     ??      31h 1
code:0165 0a      ??      0Ah
code:0165.1 00     ??      00h
code:0166 3d      ??      3Dh =
code:0166.1 30     ??      30h 0
code:0167 0a      ??      0Ah
code:0167.1 00     ??      00h
code:0168 3d      ??      3Dh =
code:0168.1 31     ??      31h 1
code:0169 0a      ??      0Ah
code:0169.1 00     ??      00h
code:016a 0a      ??      0Ah
code:016a.1 00     ??      00h
code:016b 0a      ??      0Ah
code:016b.1 00     ??      00h
code:016c 2f      ??      2Fh /
code:016c.1 0a     ??      0Ah

```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:016d 00      ??      00h
code:016d.1 23    ??      23h #
code:016e 00      ??      00h
code:016e.1 23    ??      23h #
code:016f 00      ??      00h
code:016f.1 23    ??      23h #
code:0170 00      ??      00h
code:0170.1 5c 23 23 ds      "\####RealSimGear#"
                23 23 52
                65 61 6c ...

code:017a 42      ??      42h B
code:017a.1 09    ??      09h
code:017b c5      ??      C5h
code:017b.1 0f    ??      0Fh

*****
*                               *
*                               *
*****
undefined FUN_code_017c()
R24:l          <RETURN>
FUN_code_017c          XREF [1]:  Reset:0000(T), Reset:0000(j)
code:017c 11 24    eor      R1,R1
code:017d 1f be    out      SREG,R1
code:017e cf ef    ser      Ylo
code:017f d1 e2    ldi      Yhi,0x21
code:0180 de bf    out      SPH,Yhi
code:0181 cd bf    out      SPL,Ylo
code:0182 00 e0    ldi      R16,0x0
code:0183 0c bf    out      XDIV,R16          = ??
code:0184 2b e0    ldi      R18,0xb
code:0185 aa e7    ldi      Xlo,0x7a
code:0186 b7 e0    ldi      Xhi,0x7
code:0187 01 c0    rjmp     LAB_code_0189

LAB_code_0188          XREF [1]:  code:018b(j)
code:0188 1d 92    st       X+=>DAT_mem_077a,R1          = ??

LAB_code_0189          XREF [1]:  code:0187(j)
code:0189 a0 3b    cpi      Xlo,0xb0
code:018a b2 07    cpc      Xhi,R18
code:018b e1 f7    brbc     LAB_code_0188,Zflg

__do_copy_data
code:018c 17 e0    ldi      R17,0x7
code:018d a0 e0    ldi      Xlo,0x0
code:018e b2 e0    ldi      Xhi,0x2
code:018f ea ee    ldi      Zlo,0xea
code:0190 f4 e2    ldi      Zhi,0x24
code:0191 00 e0    ldi      R16,0x0
code:0192 0b bf    out      RAMPZ,R16
code:0193 02 c0    rjmp     LAB_code_0196

LAB_code_0194          XREF [1]:  FUN_code_017c:0198(j)
code:0194 07      ??      07h
code:0194.1 90    ??      90h
code:0195 0d      ??      0Dh
code:0195.1 92    ??      92h

LAB_code_0196          XREF [1]:  code:0193(j)
code:0196 aa 37    cpi      Xlo,0x7a
code:0197 b1 07    cpc      Xhi,R17
code:0198 d9 f7    brbc     LAB_code_0194,Zflg
code:0199 11 e0    ldi      R17,0x1
code:019a cb e7    ldi      Ylo,0x7b
code:019b d1 e0    ldi      Yhi,0x1
code:019c 00 e0    ldi      R16,0x0
code:019d 06 c0    rjmp     LAB_code_01a4

LAB_code_019e          XREF [1]:  code:01a8(j)
code:019e 21 97    sbiw     Y,0x1
code:019f 01 09    sbc      R16,R1
code:01a0 80 2f    mov      R24,R16
code:01a1 fe 01    movw     Z,Y
code:01a2 0e 94 38 10 call     FUN_code_1038          undefinedFUN_code_1038 ()

LAB_code_01a4          XREF [1]:  code:019d(j)
code:01a4 ca 37    cpi      Ylo,0x7a
code:01a5 d1 07    cpc      Yhi,R17
code:01a6 80 e0    ldi      R24,0x0
code:01a7 08 07    cpc      R16,R24
code:01a8 a9 f7    brbc     LAB_code_019e,Zflg
code:01a9 0e 94 e1 0a call     FUN_code_0ae1          undefinedFUN_code_0ae1 ()
code:01ab 0c 94 63 12 jmp      FUN_code_1263          undefinedFUN_code_1263 ()

-- Flow Override: CALL_RETURN (CALL_TERMINATOR)

```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

*****
*                               *
*                               *
*****
thunk undefined Reset()
  Thunked-Function: Reset
  R24:l <RETURN>
  Reset XREF[3]: ADC:000e(T), ADC:000e(j),
  ANA_COMP:0010(T),
  ANA_COMP:0010(j),
  SPM_RDY:0012(T), SPM_RDY:0012(j)
code:01ad 0c 94 00 00 jmp 0x0=>Reset

*****
*                               *
*                               *
*****
undefined FUN_code_01af()
  R24:l <RETURN>
  FUN_code_01af XREF[3]: FUN_code_01dc:01e4(c),
  FUN_code_05b1:05ec(c),
  FUN_code_0606:0613(c)
code:01af af 92 push R10
code:01b0 bf 92 push R11
code:01b1 cf 92 push R12
code:01b2 df 92 push R13
code:01b3 ef 92 push R14
code:01b4 ff 92 push R15
code:01b5 0f 93 push R16
code:01b6 1f 93 push R17
code:01b7 cf 93 push Ylo
code:01b8 df 93 push Yhi
code:01b9 6c 01 movw R13R12,R25R24
code:01ba 7b 01 movw R15R14,R23R22
code:01bb 8b 01 movw R17R16,R23R22
code:01bc 04 0f add R16,R20
code:01bd 15 1f adc R17,R21
code:01be eb 01 movw Y,R23R22

LAB_code_01bf XREF[1]: code:01cf(j)
code:01bf 5e 01 movw R11R10,Y
code:01c0 ae 18 sub R10,R14
code:01c1 bf 08 sbc R11,R15
code:01c2 c0 17 cp Ylo,R16
code:01c3 d1 07 cpc Yhi,R17
code:01c4 59 f0 brbs LAB_code_01d0,Zflg
code:01c5 69 91 ld R22,Y+
code:01c6 d6 01 movw X,R13R12
code:01c7 ed 91 ld Zlo,X+
code:01c8 fc 91 ld Zhi,X
code:01c9 01 90 ld R0,Z+
code:01ca f0 81 ld Zhi,Z
code:01cb e0 2d mov Zlo,R0
code:01cc c6 01 movw R25R24,R13R12
code:01cd 19 95 com R17
code:01ce 89 2b or R24,R25
code:01cf 79 f7 brbc LAB_code_01bf,Zflg

LAB_code_01d0 XREF[1]: code:01c4(j)
code:01d0 c5 01 movw R25R24,R11R10
code:01d1 df 91 pop Yhi
code:01d2 cf 91 pop Ylo
code:01d3 1f 91 pop R17
code:01d4 0f 91 pop R16
code:01d5 ff 90 pop R15
code:01d6 ef 90 pop R14
code:01d7 df 90 pop R13
code:01d8 cf 90 pop R12
code:01d9 bf 90 pop R11
code:01da af 90 pop R10
code:01db 08 95 ret

*****
*                               *
*                               *
*****
undefined FUN_code_01dc()
  R24:l <RETURN>
  FUN_code_01dc XREF[3]: FUN_code_0618:0643(c),
  FUN_code_0ae1:0c31(c),
  FUN_code_0ae1:0d11(c)
code:01dc ec ef ldi Zlo,0xfc
code:01dd f8 e0 ldi Zhi,0x8
code:01de 44 81 ldd R20,Z+0x4=>DAT_mem_0900 = ??
code:01df 55 81 ldd R21,Z+0x5=>DAT_mem_0901 = ??
code:01e0 60 81 ld R22,Z=>DAT_mem_08fc = ??
code:01e1 71 81 ldd R23,Z+0x1=>DAT_mem_08fd = ??
code:01e2 80 e5 ldi R24,0x50

```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:01e3 98 e0      ldi      R25,0x8
code:01e4 0c 94 af 01  jmp      FUN_code_01af          undefinedFUN_code_01af()
-- Flow Override: CALL_RETURN (CALL_TERMINATOR)

code:01e6 fc      ??      FCh
code:01e6.1 01      ??      01h
code:01e7 53      ??      53h      S
code:01e7.1 8d      ??      8Dh
code:01e8 44      ??      44h      D
code:01e8.1 8d      ??      8Dh
code:01e9 25      ??      25h      %
code:01e9.1 2f      ??      2Fh      /
code:01ea 30      ??      30h      0
code:01ea.1 e0      ??      E0h
code:01eb 84      ??      84h
code:01eb.1 2f      ??      2Fh      /
code:01ec 90      ??      90h
code:01ec.1 e0      ??      E0h
code:01ed 82      ??      82h
code:01ed.1 1b      ??      1Bh
code:01ee 93      ??      93h
code:01ee.1 0b      ??      0Bh
code:01ef 54      ??      54h      T
code:01ef.1 17      ??      17h
code:01f0 10      ??      10h
code:01f0.1 f0      ??      F0h
code:01f1 cf      ??      CFh
code:01f1.1 96      ??      96h
code:01f2 08      ??      08h
code:01f2.1 95      ??      95h
code:01f3 01      ??      01h
code:01f3.1 97      ??      97h
code:01f4 08      ??      08h
code:01f4.1 95      ??      95h

*****
*                               *
*                               *
*****
undefined FUN_code_01f5()
R24:1      <RETURN>
FUN_code_01f5      XREF [1]:      FUN_code_0618:0625(c)

code:01f5 fc 01      movw    Z,R25R24
code:01f6 91 8d      ldd     R25,Z+0x19
code:01f7 82 8d      ldd     R24,Z+0x1a
code:01f8 98 17      cp      R25,R24
code:01f9 61 f0      brbs   LAB_code_0206,Zflg
code:01fa a2 8d      ldd     X10,Z+0x1a
code:01fb ae 0f      add    X10,Z10
code:01fc bf 2f      mov    Xhi,Zhi
code:01fd b1 1d      adc    Xhi,R1
code:01fe 5d 96      adiw   X,0x1d
code:01ff 8c 91      ld     R24,X
code:0200 92 8d      ldd     R25,Z+0x1a
code:0201 9f 5f      subi   R25,0xff
code:0202 9f 73      andi   R25,0x3f
code:0203 92 8f      std    Z+0x1a,R25
code:0204 90 e0      ldi    R25,0x0
code:0205 08 95      ret

LAB_code_0206      XREF [1]:      code:01f9(j)

code:0206 8f ef      ser    R24
code:0207 9f ef      ser    R25
code:0208 08 95      ret
code:0209 fc      ??      FCh
code:0209.1 01      ??      01h
code:020a 91      ??      91h
code:020a.1 8d      ??      8Dh
code:020b 82      ??      82h
code:020b.1 8d      ??      8Dh
code:020c 98      ??      98h
code:020c.1 17      ??      17h
code:020d 31      ??      31h      1
code:020d.1 f0      ??      F0h
code:020e 82      ??      82h
code:020e.1 8d      ??      8Dh
code:020f e8      ??      E8h
code:020f.1 0f      ??      0Fh
code:0210 f1      ??      F1h
code:0210.1 1d      ??      1Dh
code:0211 85      ??      85h
code:0211.1 8d      ??      8Dh
code:0212 90      ??      90h
code:0212.1 e0      ??      E0h
code:0213 08      ??      08h
code:0213.1 95      ??      95h
code:0214 8f      ??      8Fh
code:0214.1 ef      ??      EFh

```

Ghidra RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0215 9f      ??      9Fh
code:0215.1 ef    ??      EFh
code:0216 08     ??      08h
code:0216.1 95   ??      95h

*****
*                               *
*                               *
*****
undefined FUN_code_0217()
undefined      R24:l      <RETURN>
FUN_code_0217      XREF [2]:  FUN_code_0223:0225(c),
                        FUN_code_0618:061e(c)

code:0217 fc 01      movw    Z,R25R24
code:0218 91 8d      ldd     R25,Z+0x19
code:0219 22 8d      ldd     R18,Z+0x1a
code:021a 89 2f      mov     R24,R25
code:021b 90 e0      ldi     R25,0x0
code:021c 80 5c      subi   R24,0xc0
code:021d 9f 4f      sbci   R25,0xff
code:021e 82 1b      sub    R24,R18
code:021f 91 09      sbc    R25,R1
code:0220 8f 73      andi   R24,0x3f
code:0221 99 27      eor    R25,R25
code:0222 08 95      ret

*****
*                               *
*                               *
*****
undefined FUN_code_0223()
undefined      R24:l      <RETURN>
FUN_code_0223      XREF [1]:  FUN_code_0681:0681(c)

code:0223 80 e5      ldi     R24,0x50
code:0224 98 e0      ldi     R25,0x8
code:0225 0e 94 17 02  call    FUN_code_0217      undefined FUN_code_0217 ()
code:0227 21 e0      ldi     R18,0x1
code:0228 89 2b      or     R24,R25
code:0229 09 f4      brbc   LAB_code_022b,Zflg
code:022a 20 e0      ldi     R18,0x0

LAB_code_022b      XREF [1]:  code:0229(j)

code:022b 82 2f      mov    R24,R18
code:022c 08 95      ret

*****
*                               *
*                               *
*****
undefined FUN_code_022d()
undefined      R24:l      <RETURN>
FUN_code_022d      XREF [3]:  FUN_code_024f:028a(c),
                        FUN_code_02b7:02d1(c),
                        FUN_code_0790:07a5(c)

code:022d fc 01      movw    Z,R25R24
code:022e a4 8d      ldd     Xl0,Z+0x1c
code:022f a8 0f      add    Xl0,R24
code:0230 b9 2f      mov    Xhi,R25
code:0231 b1 1d      adc    Xhi,R1
code:0232 a3 5a      subi   Xl0,0xa3
code:0233 bf 4f      sbci   Xhi,0xff
code:0234 2c 91      ld     R18,X
code:0235 84 8d      ldd     R24,Z+0x1c
code:0236 90 e0      ldi     R25,0x0
code:0237 01 96      adiw   R25R24,0x1
code:0238 8f 73      andi   R24,0x3f
code:0239 99 27      eor    R25,R25
code:023a 84 8f      std    Z+0x1c,R24
code:023b a6 89      ldd     Xl0,Z+0x16
code:023c b7 89      ldd     Xhi,Z+0x17
code:023d 2c 93      st     X,R18
code:023e a0 89      ldd     Xl0,Z+0x10
code:023f b1 89      ldd     Xhi,Z+0x11
code:0240 8c 91      ld     R24,X
code:0241 83 70      andi   R24,0x3
code:0242 80 64      ori    R24,0x40
code:0243 8c 93      st     X,R24
code:0244 93 8d      ldd     R25,Z+0x1b
code:0245 84 8d      ldd     R24,Z+0x1c
code:0246 98 13      cpse   R25,R24
code:0247 06 c0      rjmp   LAB_code_024e
code:0248 02 88      ldd     R0,Z+0x12
code:0249 f3 89      ldd     Zhi,Z+0x13
code:024a e0 2d      mov    Zl0,R0
code:024b 80 81      ld     R24,Z
code:024c 8f 7d      andi   R24,0xdf
code:024d 80 83      st     Z,R24

```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

LAB_code_024e                                XREF [1]:  code:0247(j)
code:024e 08 95      ret

*****
*                               *
*                               *
*****
undefined FUN_code_024f()
R24:l      <RETURN>
FUN_code_024f                                XREF [1]:  FUN_code_029c:02ab(c)
code:024f ef 92      push    R14
code:0250 ff 92      push    R15
code:0251 0f 93      push    R16
code:0252 1f 93      push    R17
code:0253 cf 93      push    Ylo
code:0254 df 93      push    Yhi
code:0255 ec 01      movw   Y,R25R24
code:0256 81 e0      ldi    R24,0x1
code:0257 88 8f      std    Y+0x18,R24
code:0258 9b 8d      ldd    R25,Y+0x1b
code:0259 8c 8d      ldd    R24,Y+0x1c
code:025a 98 13      cpse   R25,R24
code:025b 1a c0      rjmp   LAB_code_0276
code:025c e8 89      ldd    Zlo,Y+0x10
code:025d f9 89      ldd    Zhi,Y+0x11
code:025e 80 81      ld     R24,Z
code:025f 85 ff      sbrs   R24,0x5
code:0260 15 c0      rjmp   LAB_code_0276
code:0261 9f b7      in     R25,SREG
code:0262 f8 94      cli
code:0263 ee 89      ldd    Zlo,Y+0x16
code:0264 ff 89      ldd    Zhi,Y+0x17
code:0265 60 83      st     Z,R22
code:0266 e8 89      ldd    Zlo,Y+0x10
code:0267 f9 89      ldd    Zhi,Y+0x11
code:0268 80 81      ld     R24,Z
code:0269 83 70      andi   R24,0x3
code:026a 80 64      ori    R24,0x40

LAB_code_026b                                XREF [1]:  code:029b(j)
code:026b 80 83      st     Z,R24
code:026c 9f bf      out    SREG,R25
code:026d 81 e0      ldi    R24,0x1
code:026e 90 e0      ldi    R25,0x0
code:026f df 91      pop    Yhi
code:0270 cf 91      pop    Ylo
code:0271 1f 91      pop    R17
code:0272 0f 91      pop    R16
code:0273 ff 90      pop    R15
code:0274 ef 90      pop    R14
code:0275 08 95      ret

LAB_code_0276                                XREF [2]:  code:025b(j), code:0260(j)
code:0276 f6 2e      mov    R15,R22
code:0277 0b 8d      ldd    R16,Y+0x1b
code:0278 10 e0      ldi    R17,0x0
code:0279 0f 5f      subi   R16,0xff
code:027a 1f 4f      sbci   R17,0xff
code:027b 0f 73      andi   R16,0x3f
code:027c 11 27      eor    R17,R17
code:027d e0 2e      mov    R14,R16

LAB_code_027e                                XREF [3]:  code:0283(j), code:0288(j),
code:027e 8c 8d      ldd    R24,Y+0x1c
code:027f 8e 11      cpse   R24,R14
code:0280 0c c0      rjmp   LAB_code_028d
code:0281 0f b6      in     R0,SREG
code:0282 07 fc      sbrc   R0,0x7
code:0283 fa cf      rjmp   LAB_code_027e
code:0284 e8 89      ldd    Zlo,Y+0x10
code:0285 f9 89      ldd    Zhi,Y+0x11
code:0286 80 81      ld     R24,Z
code:0287 85 ff      sbrs   R24,0x5
code:0288 f5 cf      rjmp   LAB_code_027e
code:0289 ce 01      movw   R25R24,Y
code:028a 0e 94 2d 02  call    FUN_code_022d
code:028c f1 cf      rjmp   LAB_code_027e

LAB_code_028d                                XREF [1]:  code:0280(j)
code:028d eb 8d      ldd    Zlo,Y+0x1b
code:028e ec 0f      add    Zlo,Ylo
code:028f fd 2f      mov    Zhi,Yhi
code:0290 f1 1d      adc    Zhi,R1
code:0291 e3 5a      subi   Zlo,0xa3
code:0292 ff 4f      sbci   Zhi,0xff

```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0293 f0 82      st      Z,R15
code:0294 9f b7      in      R25,SREG
code:0295 f8 94      cli
code:0296 0b 8f      std     Y+0x1b,R16
code:0297 ea 89      ldd     Z10,Y+0x12
code:0298 fb 89      ldd     Zhi,Y+0x13
code:0299 80 81      ld      R24,Z
code:029a 80 62      ori     R24,0x20
code:029b cf cf      rjmp    LAB_code_026b

*****
*                               *
*                               *
*****
undefined FUN_code_029c()
undefined      R24:1      <RETURN>
FUN_code_029c      XREF [21]:  FUN_code_0618:062b(c),
                        FUN_code_0618:0633(c),
                        FUN_code_0618:0639(c),
                        FUN_code_0618:0641(c),
                        FUN_code_0618:0647(c),
                        FUN_code_0ae1:0c19(c),
                        FUN_code_0ae1:0c21(c),
                        FUN_code_0ae1:0c27(c),
                        FUN_code_0ae1:0c2f(c),
                        FUN_code_0ae1:0c35(c),
                        FUN_code_0ae1:0cf9(c),
                        FUN_code_0ae1:0d01(c),
                        FUN_code_0ae1:0d07(c),
                        FUN_code_0ae1:0d0f(c),
                        FUN_code_0ae1:0d15(c),
                        FUN_code_0ae1:0d71(c),
                        FUN_code_0ae1:0e6a(c),
                        FUN_code_0ae1:0e96(c),
                        FUN_code_0ae1:0eb9(c),
                        FUN_code_0ae1:0ef1(c), [more]

code:029c 0f 93      push    R16
code:029d 1f 93      push    R17
code:029e cf 93      push    Y10
code:029f df 93      push    Yhi
code:02a0 8c 01      movw    R17R16,R25R24
code:02a1 d0 e0      ldi     Yhi,0x0
code:02a2 c0 e0      ldi     Y10,0x0

LAB_code_02a3      XREF [1]:  code:02b0(j)
code:02a3 f8 01      movw    Z,R17R16
code:02a4 ec 0f      add     Z10,Y10
code:02a5 fd 1f      adc     Zhi,Yhi
code:02a6 64 91      lpm     R22,Z
code:02a7 66 23      and     R22,R22
code:02a8 41 f0      brbs    LAB_code_02b1,Zflg
code:02a9 80 e5      ldi     R24,0x50
code:02aa 98 e0      ldi     R25,0x8
code:02ab 0e 94 4f 02 call     FUN_code_024f
                        undefined FUN_code_024f ()
                        = ??

code:02ad 89 2b      or      R24,R25
code:02ae 11 f0      brbs    LAB_code_02b1,Zflg
code:02af 21 96      adiw   Y,0x1
code:02b0 f2 cf      rjmp    LAB_code_02a3

LAB_code_02b1      XREF [2]:  code:02a8(j), code:02ae(j)
code:02b1 ce 01      movw    R25R24,Y
code:02b2 df 91      pop     Yhi
code:02b3 cf 91      pop     Y10
code:02b4 1f 91      pop     R17
code:02b5 0f 91      pop     R16
code:02b6 08 95      ret

*****
*                               *
*                               *
*****
undefined FUN_code_02b7()
undefined      R24:1      <RETURN>
FUN_code_02b7
code:02b7 cf 93      push    Y10
code:02b8 df 93      push    Yhi
code:02b9 ec 01      movw    Y,R25R24
code:02ba 88 8d      ldd     R24,Y+0x18
code:02bb 88 23      and     R24,R24
code:02bc b9 f0      brbs    LAB_code_02d4,Zflg

LAB_code_02bd      XREF [2]:  code:02cf(j), code:02d3(j)
code:02bd aa 89      ldd     X10,Y+0x12
code:02be bb 89      ldd     Xhi,Y+0x13

LAB_code_02bf      XREF [1]:  code:02cc(j)
code:02bf e8 89      ldd     Z10,Y+0x10

```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:02c0 f9 89      ldd      Zhi,Y+0x11

LAB_code_02c1
code:02c1 8c 91      ld       R24,X
code:02c2 85 fd      sbrc    R24,0x5
code:02c3 03 c0      rjmp    LAB_code_02c7
code:02c4 80 81      ld       R24,Z
code:02c5 86 fd      sbrc    R24,0x6
code:02c6 0d c0      rjmp    LAB_code_02d4

LAB_code_02c7
code:02c7 0f b6      in       R0,SREG
code:02c8 07 fc      sbrc    R0,0x7
code:02c9 f7 cf      rjmp    LAB_code_02c1
code:02ca 8c 91      ld       R24,X
code:02cb 85 ff      sbrs    R24,0x5
code:02cc f2 cf      rjmp    LAB_code_02bf
code:02cd 80 81      ld       R24,Z
code:02ce 85 ff      sbrs    R24,0x5
code:02cf ed cf      rjmp    LAB_code_02bd
code:02d0 ce 01      movw    R25R24,Y
code:02d1 0e 94 2d 02 call    FUN_code_022d
code:02d2 e9 cf      rjmp    LAB_code_02bd

LAB_code_02d4
code:02d4 df 91      pop     Yhi
code:02d5 cf 91      pop     Ylo
code:02d6 08 95      ret

*****
*                               *
*                               *
*****
undefined FUN_code_02d7()
R24:1 <RETURN>
FUN_code_02d7
code:02d7 81 50      subi    R24,0x1
code:02d8 82 31      cpi    R24,0x12
code:02d9 08 f0      brbs   LAB_code_02db,Cflg
code:02da 5a c0      rjmp    LAB_code_0335

LAB_code_02db
code:02db e8 2f      mov     Zlo,R24
code:02dc f0 e0      ldi    Zhi,0x0
code:02dd 88 27      eor    R24,R24
code:02de ed 51      subi   Zlo,0x1d
code:02df fd 4f      sbci   Zhi,0xfdf
code:02e0 8f 4f      sbci   R24,0xff
code:02e1 0c 94 38 10 jmp     FUN_code_1038
-- Flow Override: CALL_RETURN (CALL_TERMINATOR)
code:02e3 03      ??     03h
code:02e3.1 03    ??     03h
code:02e4 07      ??     07h
code:02e4.1 03    ??     03h
code:02e5 f5      ??     F5h
code:02e5.1 02    ??     02h
code:02e6 fb      ??     FBh
code:02e6.1 02    ??     02h
code:02e7 ff      ??     FFh
code:02e7.1 02    ??     02h
code:02e8 35      ??     35h    5
code:02e8.1 03    ??     03h
code:02e9 0a      ??     0Ah
code:02e9.1 03    ??     03h
code:02ea 10      ??     10h
code:02ea.1 03    ??     03h
code:02eb 14      ??     14h
code:02eb.1 03    ??     03h
code:02ec 1a      ??     1Ah
code:02ec.1 03    ??     03h
code:02ed 1e      ??     1Eh
code:02ed.1 03    ??     03h
code:02ee 22      ??     22h    "
code:02ee.1 03    ??     03h
code:02ef 28      ??     28h    (
code:02ef.1 03    ??     03h
code:02f0 2c      ??     2Ch    ,
code:02f0.1 03    ??     03h
code:02f1 35      ??     35h    5
code:02f1.1 03    ??     03h
code:02f2 30      ??     30h    0
code:02f2.1 03    ??     03h
code:02f3 36      ??     36h    6
code:02f3.1 03    ??     03h
code:02f4 3a      ??     3Ah    :
code:02f4.1 03    ??     03h

```


Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:02f5 80      ??      80h
code:02f5.1 91      ??      91h
code:02f6 80      ??      80h
code:02f6.1 00      ??      00h
code:02f7 8f      ??      8Fh
code:02f7.1 77      ??      77h      w
code:02f8 80      ??      80h
code:02f8.1 93      ??      93h
code:02f9 80      ??      80h
code:02f9.1 00      ??      00h
code:02fa 08      ??      08h
code:02fa.1 95      ??      95h
code:02fb 80      ??      80h
code:02fb.1 91      ??      91h
code:02fc 80      ??      80h
code:02fc.1 00      ??      00h
code:02fd 8f      ??      8Fh
code:02fd.1 7d      ??      7Dh      }
code:02fe f9      ??      F9h
code:02fe.1 cf      ??      CFh
code:02ff 80      ??      80h
code:02ff.1 91      ??      91h
code:0300 80      ??      80h
code:0300.1 00      ??      00h
code:0301 87      ??      87h
code:0301.1 7f      ??      7Fh
code:0302 f5      ??      F5h
code:0302.1 cf      ??      CFh
code:0303 84      ??      84h
code:0303.1 b5      ??      B5h
code:0304 8f      ??      8Fh
code:0304.1 77      ??      77h      w
code:0305 84      ??      84h
code:0305.1 bd      ??      BDh
code:0306 08      ??      08h
code:0306.1 95      ??      95h
code:0307 84      ??      84h
code:0307.1 b5      ??      B5h
code:0308 8f      ??      8Fh
code:0308.1 7d      ??      7Dh      }
code:0309 fb      ??      FBh
code:0309.1 cf      ??      CFh
code:030a 80      ??      80h
code:030a.1 91      ??      91h
code:030b b0      ??      B0h
code:030b.1 00      ??      00h
code:030c 8f      ??      8Fh
code:030c.1 77      ??      77h      w
code:030d 80      ??      80h
code:030d.1 93      ??      93h
code:030e b0      ??      B0h
code:030e.1 00      ??      00h
code:030f 08      ??      08h
code:030f.1 95      ??      95h
code:0310 80      ??      80h
code:0310.1 91      ??      91h
code:0311 b0      ??      B0h
code:0311.1 00      ??      00h
code:0312 8f      ??      8Fh
code:0312.1 7d      ??      7Dh      }
code:0313 f9      ??      F9h
code:0313.1 cf      ??      CFh
code:0314 80      ??      80h
code:0314.1 91      ??      91h
code:0315 90      ??      90h
code:0315.1 00      ??      00h
code:0316 8f      ??      8Fh
code:0316.1 77      ??      77h      w
code:0317 80      ??      80h
code:0317.1 93      ??      93h
code:0318 90      ??      90h
code:0318.1 00      ??      00h
code:0319 08      ??      08h
code:0319.1 95      ??      95h
code:031a 80      ??      80h
code:031a.1 91      ??      91h
code:031b 90      ??      90h
code:031b.1 00      ??      00h
code:031c 8f      ??      8Fh
code:031c.1 7d      ??      7Dh      }
code:031d f9      ??      F9h
code:031d.1 cf      ??      CFh
code:031e 80      ??      80h
code:031e.1 91      ??      91h
code:031f 90      ??      90h
code:031f.1 00      ??      00h

```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0320 87      ??      87h
code:0320.1 7f    ??      7Fh
code:0321 f5      ??      F5h
code:0321.1 cf    ??      CFh
code:0322 80      ??      80h
code:0322.1 91    ??      91h
code:0323 a0      ??      A0h
code:0323.1 00    ??      00h
code:0324 8f      ??      8Fh
code:0324.1 77    ??      77h      w
code:0325 80      ??      80h
code:0325.1 93    ??      93h
code:0326 a0      ??      A0h
code:0326.1 00    ??      00h
code:0327 08      ??      08h
code:0327.1 95    ??      95h
code:0328 80      ??      80h
code:0328.1 91    ??      91h
code:0329 a0      ??      A0h
code:0329.1 00    ??      00h
code:032a 8f      ??      8Fh
code:032a.1 7d    ??      7Dh      }
code:032b f9      ??      F9h
code:032b.1 cf    ??      CFh
code:032c 80      ??      80h
code:032c.1 91    ??      91h
code:032d a0      ??      A0h
code:032d.1 00    ??      00h
code:032e 87      ??      87h
code:032e.1 7f    ??      7Fh
code:032f f5      ??      F5h
code:032f.1 cf    ??      CFh
code:0330 80      ??      80h
code:0330.1 91    ??      91h
code:0331 20      ??      20h
code:0331.1 01    ??      01h
code:0332 8f      ??      8Fh
code:0332.1 77    ??      77h      w
code:0333 80      ??      80h
code:0333.1 93    ??      93h
code:0334 20      ??      20h
code:0334.1 01    ??      01h

LAB_code_0335                                XREF [1]:      code:02da(j)
code:0335 08 95    ret
code:0336 80      ??      80h
code:0336.1 91    ??      91h
code:0337 20      ??      20h
code:0337.1 01    ??      01h
code:0338 8f      ??      8Fh
code:0338.1 7d    ??      7Dh      }
code:0339 f9      ??      F9h
code:0339.1 cf    ??      CFh
code:033a 80      ??      80h
code:033a.1 91    ??      91h
code:033b 20      ??      20h
code:033b.1 01    ??      01h
code:033c 87      ??      87h
code:033c.1 7f    ??      7Fh
code:033d f5      ??      F5h
code:033d.1 cf    ??      CFh

*****
*                               *
*                               *
*****
undefined FUN_code_033e()
undefined R24:l      <RETURN>
FUN_code_033e                                XREF [1]:      FUN_code_043f:0499(c)
code:033e cf 93    push    Ylo
code:033f df 93    push    Yhi
code:0340 28 2f    mov     R18,R24
code:0341 30 e0    ldi     R19,0x0
code:0342 f9 01    movw   Z,R19R18
code:0343 ef 5a    subi   Zlo,0xaf
code:0344 fd 4f    sbci   Zhi,0xfd
code:0345 84 91    lpm    R24,Z
code:0346 f9 01    movw   Z,R19R18
code:0347 e5 5f    subi   Zlo,0xf5
code:0348 fd 4f    sbci   Zhi,0xfd
code:0349 d4 91    lpm    Yhi,Z
code:034a f9 01    movw   Z,R19R18
code:034b eb 53    subi   Zlo,0x3b
code:034c fe 4f    sbci   Zhi,0xfe
code:034d c4 91    lpm    Ylo,Z
code:034e cc 23    and    Ylo,Ylo
code:034f a1 f0    brbs   LAB_code_0364,Zflg

```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0350 81 11      cpse      R24,R1
code:0351 0e 94 d7 02 call      FUN_code_02d7      undefined FUN_code_02d7 ()
code:0353 ec 2f      mov      Z10,Y10
code:0354 f0 e0      ldi      Zhi,0x0
code:0355 ee 0f      add      Z10,Z10
code:0356 ff 1f      adc      Zhi,Zhi
code:0357 e5 55      subi    Z10,0x55
code:0358 fe 4f      sbci    Zhi,0xfe
code:0359 a5 91      lpm      X10,Z+
code:035a b4 91      lpm      Xhi,Z
code:035b ec 91      ld       Z10,X
code:035c ed 23      and     Z10,Yhi
code:035d 81 e0      ldi      R24,0x1
code:035e 90 e0      ldi      R25,0x0
code:035f 09 f4      brbc    LAB_code_0361,Zflg
code:0360 80 e0      ldi      R24,0x0

LAB_code_0361                                XREF[2]:  code:035f(j), code:0366(j)
code:0361 df 91      pop      Yhi
code:0362 cf 91      pop      Y10
code:0363 08 95      ret

LAB_code_0364                                XREF[1]:  code:034f(j)
code:0364 80 e0      ldi      R24,0x0
code:0365 90 e0      ldi      R25,0x0
code:0366 fa cf      rjmp    LAB_code_0361

*****
*                               FUNCTION                               *
*****
undefined FUN_code_0367()
undefined      R24:1      <RETURN>
FUN_code_0367                                XREF[5]:  FUN_code_043f:0461(c),
                                                FUN_code_0618:0661(c),
                                                FUN_code_06ae:06fa(c),
                                                FUN_code_0ae1:0cbf(c),
                                                FUN_code_0ae1:0cd2(c)

code:0367 1f 93      push    R17
code:0368 cf 93      push    Y10
code:0369 df 93      push    Yhi
code:036a 28 2f      mov     R18,R24
code:036b 30 e0      ldi     R19,0x0
code:036c f9 01      movw   Z,R19R18
code:036d ef 5a      subi   Z10,0xaf
code:036e fd 4f      sbci   Zhi,0xfd
code:036f b4 91      lpm    R24,Z
code:0370 f9 01      movw   Z,R19R18
code:0371 e5 5f      subi   Z10,0xf5
code:0372 fd 4f      sbci   Zhi,0xfd
code:0373 d4 91      lpm    Yhi,Z
code:0374 f9 01      movw   Z,R19R18
code:0375 eb 53      subi   Z10,0x3b
code:0376 fe 4f      sbci   Zhi,0xfe
code:0377 c4 91      lpm    Y10,Z
code:0378 cc 23      and    Y10,Y10
code:0379 a9 f0      brbs   LAB_code_038f,Zflg
code:037a 16 2f      mov    R17,R22
code:037b 81 11      cpse   R24,R1
code:037c 0e 94 d7 02 call    FUN_code_02d7      undefined FUN_code_02d7 ()
code:037e ec 2f      mov    Z10,Y10
code:037f f0 e0      ldi    Zhi,0x0
code:0380 ee 0f      add    Z10,Z10
code:0381 ff 1f      adc    Zhi,Zhi
code:0382 ef 56      subi   Z10,0x6f
code:0383 fe 4f      sbci   Zhi,0xfe
code:0384 a5 91      lpm    X10,Z+
code:0385 b4 91      lpm    Xhi,Z
code:0386 8f b7      in     R24,SREG
code:0387 f8 94      cli
code:0388 ec 91      ld     Z10,X
code:0389 11 11      cpse   R17,R1
code:038a 08 c0      rjmp   LAB_code_0393
code:038b d0 95      com    Yhi
code:038c de 23      and    Yhi,Z10

LAB_code_038d                                XREF[1]:  code:0394(j)
code:038d dc 93      st     X,Yhi
code:038e 8f bf      out    SREG,R24

LAB_code_038f                                XREF[1]:  code:0379(j)
code:038f df 91      pop    Yhi
code:0390 cf 91      pop    Y10
code:0391 1f 91      pop    R17
code:0392 08 95      ret

```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

LAB_code_0393                                XREF [1]:    code:038a(j)
code:0393 de 2b      or      Yhi,Zlo
code:0394 f8 cf      rjmp    LAB_code_038d

*****
*                               *
*****
FUNCTION
*****
undefined FUN_code_0395()
R24:l      <RETURN>
undefined FUN_code_0395                                XREF [6]:    FUN_code_0557:0560(c),
                                                    FUN_code_0557:0564(c),
                                                    FUN_code_06ae:06e0(c),
                                                    FUN_code_06ae:06fe(c),
                                                    FUN_code_06ae:0705(c),
                                                    FUN_code_0ae1:0cbb(c)

code:0395 cf 93      push   Ylo
code:0396 df 93      push   Yhi
code:0397 90 e0      ldi    R25,0x0
code:0398 fc 01      movw   Z,R25R24
code:0399 e5 5f      subi   Zlo,0xf5
code:039a fd 4f      sbci   Zhi,0xfd
code:039b 24 91      lpm    R18,Z
code:039c 8b 53      subi   R24,0x3b
code:039d 9e 4f      sbci   R25,0xfe
code:039e fc 01      movw   Z,R25R24
code:039f 84 91      lpm    R24,Z
code:03a0 88 23      and    R24,R24
code:03a1 c9 f0      brbs   LAB_code_03bb,Zflg
code:03a2 90 e0      ldi    R25,0x0
code:03a3 88 0f      add    R24,R24
code:03a4 99 1f      adc    R25,R25
code:03a5 fc 01      movw   Z,R25R24
code:03a6 e9 58      subi   Zlo,0x89
code:03a7 fe 4f      sbci   Zhi,0xfe
code:03a8 a5 91      lpm    Xlo,Z+
code:03a9 b4 91      lpm    Xhi,Z
code:03aa fc 01      movw   Z,R25R24
code:03ab ef 56      subi   Zlo,0x6f
code:03ac fe 4f      sbci   Zhi,0xfe
code:03ad c5 91      lpm    Ylo,Z+
code:03ae d4 91      lpm    Yhi,Z
code:03af 61 11      cpse   R22,R1
code:03b0 0d c0      rjmp   LAB_code_03be
code:03b1 9f b7      in     R25,SREG
code:03b2 f8 94      cli
code:03b3 8c 91      ld     R24,X
code:03b4 20 95      com    R18
code:03b5 82 23      and    R24,R18
code:03b6 8c 93      st     X,R24
code:03b7 88 81      ld     R24,Y
code:03b8 28 23      and    R18,R24

LAB_code_03b9                                XREF [1]:    code:03c9(j)
code:03b9 28 83      st     Y,R18
code:03ba 9f bf      out    SREG,R25

LAB_code_03bb                                XREF [2]:    code:03a1(j), code:03d0(j)
code:03bb df 91      pop    Yhi
code:03bc cf 91      pop    Ylo
code:03bd 08 95      ret

LAB_code_03be                                XREF [1]:    code:03b0(j)
code:03be 62 30      cpi    R22,0x2
code:03bf 51 f4      brbc   LAB_code_03ca,Zflg
code:03c0 9f b7      in     R25,SREG
code:03c1 f8 94      cli
code:03c2 3c 91      ld     R19,X
code:03c3 82 2f      mov    R24,R18
code:03c4 80 95      com    R24
code:03c5 83 23      and    R24,R19
code:03c6 8c 93      st     X,R24
code:03c7 e8 81      ld     Zlo,Y
code:03c8 2e 2b      or     R18,Zlo
code:03c9 ef cf      rjmp   LAB_code_03b9

LAB_code_03ca                                XREF [1]:    code:03bf(j)
code:03ca 8f b7      in     R24,SREG
code:03cb f8 94      cli
code:03cc ec 91      ld     Zlo,X
code:03cd 2e 2b      or     R18,Zlo
code:03ce 2c 93      st     X,R18
code:03cf 8f bf      out    SREG,R24
code:03d0 ea cf      rjmp   LAB_code_03bb

```

Ghidra RealSim Gear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

*****
*                               *
*                               *
*****
undefined FUN_code_03d1()
    undefined      R24:l      <RETURN>
    FUN_code_03d1
XREF [2]:  FUN_code_03f6:0400(c),
           FUN_code_03f6:0404(c)

code:03d1 3f b7      in          R19,SREG
code:03d2 f8 94      cli
code:03d3 80 91 f1 07 lds          R24,DAT_mem_07f1      = ??
code:03d5 90 91 f2 07 lds          R25,DAT_mem_07f2      = ??
code:03d7 a0 91 f3 07 lds          X10,DAT_mem_07f3     = ??
code:03d9 b0 91 f4 07 lds          Xh1,DAT_mem_07f4     = ??
code:03db 26 b5      in          R18,ICR1L      = ??
code:03dc a8 9b      sbis       PORTC,0x0      = ??
code:03dd 05 c0      rjmp      LAB_code_03e3
code:03de 2f 3f      cpi       R18,0xff
code:03df 19 f0      brbs     LAB_code_03e3,Zflg
code:03e0 01 96      adiw     R25R24,0x1
code:03e1 a1 1d      adc      X10,R1
code:03e2 b1 1d      adc      Xh1,R1

LAB_code_03e3
XREF [2]:  code:03dd(j), code:03df(j)

code:03e3 3f bf      out      SREG,R19
code:03e4 ba 2f      mov      Xh1,X10
code:03e5 a9 2f      mov      X10,R25
code:03e6 98 2f      mov      R25,R24
code:03e7 88 27      eor      R24,R24
code:03e8 bc 01      movw    R23R22,R25R24
code:03e9 cd 01      movw    R25R24,X
code:03ea 62 0f      add     R22,R18
code:03eb 71 1d      adc     R23,R1
code:03ec 81 1d      adc     R24,R1
code:03ed 91 1d      adc     R25,R1
code:03ee 42 e0      ldi     R20,0x2

LAB_code_03ef
XREF [1]:  code:03f4(j)

code:03ef 66 0f      add     R22,R22
code:03f0 77 1f      adc     R23,R23
code:03f1 88 1f      adc     R24,R24
code:03f2 99 1f      adc     R25,R25
code:03f3 4a 95      dec     R20
code:03f4 d1 f7      brbc   LAB_code_03ef,Zflg
code:03f5 08 95      ret

*****
*                               *
*                               *
*****
undefined FUN_code_03f6()
    undefined      R24:l      <RETURN>
    FUN_code_03f6
XREF [5]:  FUN_code_0ae1:0ba0(c),
           FUN_code_0ae1:0cc9(c),
           FUN_code_0ae1:0e45(c),
           FUN_code_0ae1:0ef7(c),
           FUN_code_0ae1:0f97(c)

code:03f6 8f 92      push    R8
code:03f7 9f 92      push    R9
code:03f8 af 92      push    R10
code:03f9 bf 92      push    R11
code:03fa cf 92      push    R12
code:03fb df 92      push    R13
code:03fc ef 92      push    R14
code:03fd ff 92      push    R15
code:03fe 4b 01      movw    R9R8,R23R22
code:03ff 5c 01      movw    R11R10,R25R24
code:0400 0e 94 d1 03 call    FUN_code_03d1      undefined FUN_code_03d1 ()
code:0402 6b 01      movw    R13R12,R23R22
code:0403 7c 01      movw    R15R14,R25R24

LAB_code_0404
XREF [2]:  code:040e(j), code:041e(j)
           undefined FUN_code_03d1 ()

code:0404 0e 94 d1 03 call    FUN_code_03d1
code:0406 6c 19      sub     R22,R12
code:0407 7d 09      sbc     R23,R13
code:0408 8e 09      sbc     R24,R14
code:0409 9f 09      sbc     R25,R15
code:040a 68 3e      cpi     R22,0xe8
code:040b 73 40      sbci   R23,0x3
code:040c 81 05      cpc     R24,R1
code:040d 91 05      cpc     R25,R1
code:040e a8 f3      brbs   LAB_code_0404,Cflg
code:040f 21 e0      ldi     R18,0x1
code:0410 82 1a      sub     R8,R18
code:0411 91 08      sbc     R9,R1
code:0412 a1 08      sbc     R10,R1
code:0413 b1 08      sbc     R11,R1

```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0414 88 ee      ldi      R24,0xe8
code:0415 c8 0e      add      R12,R24
code:0416 83 e0      ldi      R24,0x3
code:0417 d8 1e      adc      R13,R24
code:0418 e1 1c      adc      R14,R1
code:0419 f1 1c      adc      R15,R1
code:041a 81 14      cp       R8,R1
code:041b 91 04      cpc     R9,R1
code:041c a1 04      cpc     R10,R1
code:041d b1 04      cpc     R11,R1
code:041e 29 f7      brbc    LAB_code_0404,Zflg
code:041f ff 90      pop     R15
code:0420 ef 90      pop     R14
code:0421 df 90      pop     R13
code:0422 cf 90      pop     R12
code:0423 bf 90      pop     R11
code:0424 af 90      pop     R10
code:0425 9f 90      pop     R9
code:0426 8f 90      pop     R8
code:0427 08 95      ret

```

```

*****
*                               *
*                               *
*****

```

```

undefined FUN_code_0428()
R24:1      <RETURN>

```

```

FUN_code_0428                                XREF [7]:  FUN_code_0ae1:0c82(c),
                                                FUN_code_0ae1:0c8b(c),
                                                FUN_code_0ae1:0da9(c),
                                                FUN_code_0ae1:0f26(c),
                                                FUN_code_0ae1:0f4a(c),
                                                FUN_code_0ae1:0f5a(c),
                                                FUN_code_0ae1:0f6c(c)

```

```

code:0428 2f b7      in      R18,SREG
code:0429 f8 94      cli
code:042a 60 91 ed 07 lds     R22,DAT_mem_07ed = ??
code:042c 70 91 ee 07 lds     R23,DAT_mem_07ee = ??
code:042e 80 91 ef 07 lds     R24,DAT_mem_07ef = ??
code:0430 90 91 f0 07 lds     R25,DAT_mem_07f0 = ??
code:0432 2f bf      out    SREG,R18
code:0433 08 95      ret
code:0434 fc        ??     FCh
code:0434.1 01      ??     01h
code:0435 84        ??     84h
code:0435.1 81      ??     81h
code:0436 87        ??     87h
code:0436.1 fd      ??     FDh
code:0437 05        ??     05h
code:0437.1 c0      ??     C0h
code:0438 91        ??     91h
code:0438.1 e0      ??     E0h
code:0439 69        ??     69h   i
code:0439.1 27      ??     27h   '
code:043a 63        ??     63h   c
code:043a.1 83      ??     83h
code:043b 0e        ??     0Eh
code:043b.1 94      ??     94h
code:043c 67        ??     67h   g
code:043c.1 03      ??     03h
code:043d 80        ??     80h
code:043d.1 e0      ??     E0h
code:043e 08        ??     08h
code:043e.1 95      ??     95h

```

```

*****
*                               *
*                               *
*****

```

```

undefined FUN_code_043f()
R24:1      <RETURN>

```

```

FUN_code_043f                                XREF [4]:  FUN_code_0ae1:0c3f(c),
                                                FUN_code_0ae1:0c4f(c),
                                                FUN_code_0ae1:0e51(c),
                                                FUN_code_0ae1:0e7d(c)

```

```

code:043f ef 92      push   R14
code:0440 ff 92      push   R15
code:0441 1f 93      push   R17
code:0442 cf 93      push   Ylo
code:0443 df 93      push   Yhi
code:0444 ec 01      movw   Y,R25R24
code:0445 e6 2e      mov    R14,R22
code:0446 06 2e      mov    R0,R22
code:0447 00 0c      add    R0,R0
code:0448 ff 08      sbc    R15,R15
code:0449 8a 81      ldd   R24,Y+0x2
code:044a 08 2e      mov    R0,R24
code:044b 00 0c      add    R0,R0

```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:044c 99 0b      sbc      R25,R25
code:044d e8 16      cp       R14,R24
code:044e f9 06      cpc     R15,R25
code:044f a9 f0      brbs    LAB_code_0465,Zflg
code:0450 6a 83      std     Y+0x2,R22
code:0451 10 e0      ldi     R17,0x0

LAB_code_0452
code:0452 89 85      ldd     R24,Y+0x9
code:0453 18 17      cp      R17,R24
code:0454 80 f4      brbc    LAB_code_0465,Cflg
code:0455 b7 01      movw   R23R22,R15R14
code:0456 01 2e      mov    R0,R17
code:0457 02 c0      rjmp   LAB_code_045a

LAB_code_0458
code:0458 75 95      asr    R23
code:0459 67 95      ror    R22

LAB_code_045a
code:045a 0a 94      dec    R0
code:045b e2 f7      brbc    LAB_code_0458,Nflg
code:045c 61 70      andi   R22,0x1
code:045d fe 01      movw   Z,Y
code:045e e1 0f      add    Zlo,R17
code:045f f1 1d      adc    Zhi,R1
code:0460 85 81      ldd    R24,Z+0x5
code:0461 0e 94 67 03  call   FUN_code_0367
code:0463 1f 5f      subi   R17,0xff
code:0464 ed cf      rjmp   LAB_code_0452

LAB_code_0465
code:0465 8c 85      ldd    R24,Y+0xc
code:0466 88 23      and    R24,R24
code:0467 29 f0      brbs   LAB_code_046d,Zflg
code:0468 81 30      cpi   R24,0x1
code:0469 49 f1      brbs   LAB_code_0493,Zflg
code:046a 8f ef      ser    R24
code:046b 9f ef      ser    R25
code:046c 20 c0      rjmp   LAB_code_048d

LAB_code_046d
code:046d 8b 85      ldd    R24,Y+0xb
code:046e 86 33      cpi   R24,0x36
code:046f 08 f0      brbs   LAB_code_0471,Cflg
code:0470 86 53      subi   R24,0x36

LAB_code_0471
code:0471 20 91 7b 00  lds    R18,DAT_mem_007b
code:0473 98 2f      mov    R25,R24
code:0474 98 70      andi   R25,0x8
code:0475 27 7f      andi   R18,0xf7
code:0476 92 2b      or     R25,R18
code:0477 90 93 7b 00  sts    DAT_mem_007b,R25
code:0479 87 70      andi   R24,0x7
code:047a 80 64      ori   R24,0x40
code:047b 80 93 7c 00  sts    ETIFR,R24
code:047d 80 91 7a 00  lds    R24,TCCR1C
code:047f 80 64      ori   R24,0x40
code:0480 80 93 7a 00  sts    TCCR1C,R24

LAB_code_0482
code:0482 80 91 7a 00  lds    R24,TCCR1C
code:0484 86 fd      sbrc   R24,0x6
code:0485 fc cf      rjmp   LAB_code_0482
code:0486 90 91 78 00  lds    R25,OCR1CL
code:0488 80 91 79 00  lds    R24,OCR1CH
code:048a 89 27      eor    R24,R25
code:048b 98 27      eor    R25,R24
code:048c 89 27      eor    R24,R25

LAB_code_048d
code:048d df 91      pop    Yhi
code:048e cf 91      pop    Ylo
code:048f 1f 91      pop    R17
code:0490 ff 90      pop    R15
code:0491 ef 90      pop    R14
code:0492 08 95      ret

LAB_code_0493
code:0493 8b 85      ldd    R24,Y+0xb
code:0494 df 91      pop    Yhi
code:0495 cf 91      pop    Ylo
code:0496 1f 91      pop    R17
code:0497 ff 90      pop    R15
code:0498 ef 90      pop    R14

```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0499 0c 94 3e 03      jmp          FUN_code_033e                undefined FUN_code_033e()
-- Flow Override: CALL_RETURN (CALL_TERMINATOR)

*****
*                               *
*                               *
*****
undefined FUN_code_049b()
R24:1      <RETURN>
FUN_code_049b
XREF [3]:  FUN_code_0ae1:0db9(c),
           FUN_code_0ae1:0e2e(c),
           FUN_code_0ae1:0f8b(c)

code:049b fc 01          movw       Z,R25R24
code:049c 80 85          ldd       R24,Z+0x8
code:049d 80 fd          sbrc      R24,0x0
code:049e 04 c0          rjmp      LAB_code_04a3
code:049f b2 fb          bst       R24,0x2
code:04a0 88 27          eor       R24,R24
code:04a1 80 f9          bld       R24,0x0
code:04a2 08 95          ret

LAB_code_04a3
XREF [1]:  code:049e(j)
code:04a3 80 e0          ldi       R24,0x0
code:04a4 08 95          ret

*****
*                               *
*                               *
*****
undefined FUN_code_04a5()
R24:1      <RETURN>
FUN_code_04a5
XREF [3]:  FUN_code_0ae1:0dbe(c),
           FUN_code_0ae1:0e37(c),
           FUN_code_0ae1:0fb8(c)

code:04a5 fc 01          movw       Z,R25R24
code:04a6 90 85          ldd       R25,Z+0x8
code:04a7 95 70          andi      R25,0x5
code:04a8 81 e0          ldi       R24,0x1
code:04a9 95 30          cpi       R25,0x5
code:04aa 09 f0          brbs      LAB_code_04ac,Zflg
code:04ab 80 e0          ldi       R24,0x0

LAB_code_04ac
XREF [1]:  code:04aa(j)
code:04ac 08 95          ret
code:04ad 86             ??        86h
code:04ad.1 2f          ??        2Fh /
code:04ae 64             ??        64h d
code:04ae.1 2f          ??        2Fh /
code:04af 0c             ??        0Ch
code:04af.1 94          ??        94h
code:04b0 95             ??        95h
code:04b0.1 03          ??        03h
code:04b1 fc             ??        FCh
code:04b1.1 01          ??        01h
code:04b2 81             ??        81h
code:04b2.1 89          ??        89h
code:04b3 0e             ??        0Eh
code:04b3.1 94          ??        94h
code:04b4 3e             ??        3Eh >
code:04b4.1 03          ??        03h
code:04b5 21             ??        21h !
code:04b5.1 e0          ??        E0h
code:04b6 89             ??        89h
code:04b6.1 2b          ??        2Bh +
code:04b7 09             ??        09h
code:04b7.1 f4          ??        F4h
code:04b8 20             ??        20h
code:04b8.1 e0          ??        E0h
code:04b9 82             ??        82h
code:04b9.1 2f          ??        2Fh /
code:04ba 08             ??        08h
code:04ba.1 95          ??        95h

*****
*                               *
*                               *
*****
undefined FUN_code_04bb()
R24:1      <RETURN>
FUN_code_04bb
XREF [7]:  FUN_code_04fd:0505(c),
           FUN_code_083a:0851(c),
           FUN_code_0866:087d(c),
           FUN_code_0892:08a9(c),
           FUN_code_08be:08d5(c),
           FUN_code_08ea:0901(c),
           FUN_code_0916:092d(c)

code:04bb dc 01          movw       X,R25R24
code:04bc ed 91          ld        Zlo,X+
code:04bd fd 91          ld        Zh1,X+

```


Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:04be 80 81      ld      R24,Z
code:04bf ed 91      ld      Z10,X+
code:04c0 fd 91      ld      Zhi,X+
code:04c1 90 81      ld      R25,Z
code:04c2 ed 91      ld      Z10,X+
code:04c3 fd 91      ld      Zhi,X+
code:04c4 6c 91      ld      R22,X
code:04c5 63 70      andi   R22,0x3
code:04c6 8e 23      and    R24,Z10
code:04c7 09 f0      brbs   LAB_code_04c9,Zflg
code:04c8 64 60      ori    R22,0x4

LAB_code_04c9
code:04c9 9f 23      and    R25,Zhi
code:04ca 09 f0      brbs   LAB_code_04cc,Zflg
code:04cb 68 60      ori    R22,0x8

LAB_code_04cc
code:04cc e8 ed      ldi    Z10,0xd8
code:04cd f4 e0      ldi    Zhi,0x4
code:04ce e6 0f      add    Z10,R22
code:04cf f1 1d      adc    Zhi,R1
code:04d0 65 95      asr    R22
code:04d1 65 95      asr    R22
code:04d2 6d 93      st     X+,R22
code:04d3 6d 91      ld     R22,X+
code:04d4 7d 91      ld     R23,X+
code:04d5 8d 91      ld     R24,X+
code:04d6 9d 91      ld     R25,X+
code:04d7 09 94      ijmp
code:04d8 23      ??    23h    #
code:04d8.1 c0      ??    C0h
code:04d9 1a      ??    1Ah
code:04d9.1 c0      ??    C0h
code:04da 12      ??    12h
code:04da.1 c0      ??    C0h
code:04db 16      ??    16h
code:04db.1 c0      ??    C0h
code:04dc 10      ??    10h
code:04dc.1 c0      ??    C0h
code:04dd 1e      ??    1Eh
code:04dd.1 c0      ??    C0h
code:04de 09      ??    09h
code:04de.1 c0      ??    C0h
code:04df 14      ??    14h
code:04df.1 c0      ??    C0h
code:04e0 13      ??    13h
code:04e0.1 c0      ??    C0h
code:04e1 06      ??    06h
code:04e1.1 c0      ??    C0h
code:04e2 19      ??    19h
code:04e2.1 c0      ??    C0h
code:04e3 09      ??    09h
code:04e3.1 c0      ??    C0h
code:04e4 0d      ??    0Dh
code:04e4.1 c0      ??    C0h
code:04e5 07      ??    07h
code:04e5.1 c0      ??    C0h
code:04e6 0d      ??    0Dh
code:04e6.1 c0      ??    C0h
code:04e7 14      ??    14h
code:04e7.1 c0      ??    C0h
code:04e8 62      ??    62h    b
code:04e8.1 50      ??    50h    P
code:04e9 70      ??    70h    p
code:04e9.1 40      ??    40h    @
code:04ea 80      ??    80h
code:04ea.1 40      ??    40h    @
code:04eb 90      ??    90h
code:04eb.1 40      ??    40h    @
code:04ec 0b      ??    0Bh
code:04ec.1 c0      ??    C0h
code:04ed 61      ??    61h    a
code:04ed.1 50      ??    50h    P
code:04ee 70      ??    70h    p
code:04ee.1 40      ??    40h    @
code:04ef 80      ??    80h
code:04ef.1 40      ??    40h    @
code:04f0 90      ??    90h
code:04f0.1 40      ??    40h    @
code:04f1 06      ??    06h
code:04f1.1 c0      ??    C0h
code:04f2 6e      ??    6Eh    n
code:04f2.1 5f      ??    5Fh    -
code:04f3 01      ??    01h
code:04f3.1 c0      ??    C0h

```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:04f4 6f      ??      6Fh  o
code:04f4.1 5f    ??      5Fh  -
code:04f5 7f      ??      7Fh
code:04f5.1 4f    ??      4Fh  0
code:04f6 8f      ??      8Fh
code:04f6.1 4f    ??      4Fh  0
code:04f7 9f      ??      9Fh
code:04f7.1 4f    ??      4Fh  0
code:04f8 9e      ??      9Eh
code:04f8.1 93    ??      93h
code:04f9 8e      ??      8Eh
code:04f9.1 93    ??      93h
code:04fa 7e      ??      7Eh  ~
code:04fa.1 93    ??      93h
code:04fb 6e      ??      6Eh  n
code:04fb.1 93    ??      93h
code:04fc 08      ??      08h
code:04fc.1 95    ??      95h

*****
*                               *
*                               *
*****
undefined FUN_code_04fd()
undefined      R24:l      <RETURN>
FUN_code_04fd      XREF[3]:  FUN_code_0ae1:0c9f(c),
                        FUN_code_0ae1:0d54(c),
                        FUN_code_0ae1:0f11(c)

code:04fd cf 93      push      Ylo
code:04fe df 93      push      Yhi
code:04ff ec 01      movw     Y,R25R24
code:0500 8b 85      ldd      R24,Y+0xb
code:0501 82 30      cpi      R24,0x2
code:0502 60 f4      brbc    LAB_code_050f,Cflg
code:0503 f8 94      cli
code:0504 ce 01      movw     R25R24,Y
code:0505 0e 94 bb 04 call      FUN_code_04bb      undefined FUN_code_04bb ()

LAB_code_050f      XREF[1]:  code:0510(j)
code:0507 6f 81      ldd      R22,Y+0x7
code:0508 78 85      ldd      R23,Y+0x8
code:0509 89 85      ldd      R24,Y+0x9
code:050a 9a 85      ldd      R25,Y+0xa
code:050b 78 94      bset     Iflg
code:050c df 91      pop      Yhi
code:050d cf 91      pop      Ylo
code:050e 08 95      ret

LAB_code_050f      XREF[1]:  code:0502(j)
code:050f f8 94      cli
code:0510 f6 cf      rjmp     LAB_code_0507
code:0511 90      ??      90h
code:0511.1 e0    ??      E0h
code:0512 82      ??      82h
code:0512.1 30    ??      30h  0
code:0513 90      ??      90h
code:0513.1 f4    ??      F4h
code:0514 04      ??      04h
code:0514.1 96    ??      96h
code:0515 83      ??      83h
code:0515.1 30    ??      30h  0
code:0516 91      ??      91h
code:0516.1 05    ??      05h
code:0517 69      ??      69h  i
code:0517.1 f1    ??      F1h
code:0518 7c      ??      7Ch  |
code:0518.1 f4    ??      F4h
code:0519 81      ??      81h
code:0519.1 30    ??      30h  0
code:051a 91      ??      91h
code:051a.1 05    ??      05h
code:051b c9      ??      C9h
code:051b.1 f0    ??      F0h
code:051c 02      ??      02h
code:051c.1 97    ??      97h
code:051d f9      ??      F9h
code:051d.1 f0    ??      F0h
code:051e 80      ??      80h
code:051e.1 91    ??      91h
code:051f 69      ??      69h  i
code:051f.1 00    ??      00h
code:0520 8c      ??      8Ch
code:0520.1 7f    ??      7Fh
code:0521 81      ??      81h
code:0521.1 60    ??      60h  `
code:0522 80      ??      80h
code:0522.1 93    ??      93h

```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0523 69      ??      69h  i
code:0523.1 00    ??      00h
code:0524 e8      ??      E8h
code:0524.1 9a      ??      9Ah
code:0525 08      ??      08h
code:0525.1 95      ??      95h
code:0526 02      ??      02h
code:0526.1 97      ??      97h
code:0527 ed      ??      EDh
code:0527.1 cf      ??      CFh
code:0528 84      ??      84h
code:0528.1 30      ??      30h  0
code:0529 91      ??      91h
code:0529.1 05      ??      05h
code:052a 11      ??      11h
code:052a.1 f1      ??      F1h
code:052b 05      ??      05h
code:052b.1 97      ??      97h
code:052c 89      ??      89h
code:052c.1 f7      ??      F7h
code:052d 80      ??      80h
code:052d.1 91      ??      91h
code:052e 6a      ??      6Ah  j
code:052e.1 00      ??      00h
code:052f 83      ??      83h
code:052f.1 7f      ??      7Fh
code:0530 84      ??      84h
code:0530.1 60      ??      60h  `
code:0531 80      ??      80h
code:0531.1 93      ??      93h
code:0532 6a      ??      6Ah  j
code:0532.1 00      ??      00h
code:0533 ed      ??      EDh
code:0533.1 9a      ??      9Ah
code:0534 08      ??      08h
code:0534.1 95      ??      95h
code:0535 80      ??      80h
code:0535.1 91      ??      91h
code:0536 69      ??      69h  i
code:0536.1 00      ??      00h
code:0537 83      ??      83h
code:0537.1 7f      ??      7Fh
code:0538 84      ??      84h
code:0538.1 60      ??      60h  `
code:0539 80      ??      80h
code:0539.1 93      ??      93h
code:053a 69      ??      69h  i
code:053a.1 00      ??      00h
code:053b e9      ??      E9h
code:053b.1 9a      ??      9Ah
code:053c 08      ??      08h
code:053c.1 95      ??      95h
code:053d 80      ??      80h
code:053d.1 91      ??      91h
code:053e 69      ??      69h  i
code:053e.1 00      ??      00h
code:053f 8f      ??      8Fh
code:053f.1 7c      ??      7Ch  |
code:0540 80      ??      80h
code:0540.1 61      ??      61h  a
code:0541 80      ??      80h
code:0541.1 93      ??      93h
code:0542 69      ??      69h  i
code:0542.1 00      ??      00h
code:0543 ea      ??      EAh
code:0543.1 9a      ??      9Ah
code:0544 08      ??      08h
code:0544.1 95      ??      95h
code:0545 80      ??      80h
code:0545.1 91      ??      91h
code:0546 69      ??      69h  i
code:0546.1 00      ??      00h
code:0547 8f      ??      8Fh
code:0547.1 73      ??      73h  s
code:0548 80      ??      80h
code:0548.1 64      ??      64h  d
code:0549 80      ??      80h
code:0549.1 93      ??      93h
code:054a 69      ??      69h  i
code:054a.1 00      ??      00h
code:054b eb      ??      EBh
code:054b.1 9a      ??      9Ah
code:054c 08      ??      08h
code:054c.1 95      ??      95h
code:054d 80      ??      80h
code:054d.1 91      ??      91h

```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```
code:054e 6a    ??    6Ah    j
code:054e.1 00    ??    00h
code:054f 8c    ??    8Ch
code:054f.1 7f    ??    7Fh
code:0550 81    ??    81h
code:0550.1 60    ??    60h    `
code:0551 80    ??    80h
code:0551.1 93    ??    93h
code:0552 6a    ??    6Ah    j
code:0552.1 00    ??    00h
code:0553 ec    ??    ECh
code:0553.1 9a    ??    9Ah
code:0554 08    ??    08h
code:0554.1 95    ??    95h

*****
*                               FUNCTION                               *
*****
undefined FUN_code_0555()
R24:1    <RETURN>
FUN_code_0555                                XREF [2]:    FUN_code_0557:05a3(c),
                                                    FUN_code_0557:05a8(c)
code:0555 80 e0    ldi    R24,0x0
code:0556 08 95    ret

*****
*                               FUNCTION                               *
*****
undefined FUN_code_0557()
R24:1    <RETURN>
FUN_code_0557
code:0557 0f 93    push   R16
code:0558 1f 93    push   R17
code:0559 cf 93    push   Y10
code:055a df 93    push   Y11
code:055b ec 01    movw   Z,R25R24
code:055c 06 2f    mov    R16,R22
code:055d 14 2f    mov    R17,R20
code:055e 62 e0    ldi    R22,0x2
code:055f 80 2f    mov    R24,R16
code:0560 0e 94 95 03    call   FUN_code_0395    undefinedFUN_code_0395 ()
code:0562 62 e0    ldi    R22,0x2
code:0563 81 2f    mov    R24,R17
code:0564 0e 94 95 03    call   FUN_code_0395    undefinedFUN_code_0395 ()
code:0566 80 2f    mov    R24,R16
code:0567 90 e0    ldi    R25,0x0
code:0568 fc 01    movw   Z,R25R24
code:0569 eb 53    subi   Z10,0x3b
code:056a fe 4f    sbci   Z11,0xfe
code:056b e4 91    lpm    Z10,Z
code:056c f0 e0    ldi    Z11,0x0
code:056d ee 0f    add    Z10,Z10
code:056e ff 1f    adc    Z11,Z11
code:056f e5 55    subi   Z10,0x55
code:0570 fe 4f    sbci   Z11,0xfe
code:0571 a5 91    lpm    X10,Z+
code:0572 b4 91    lpm    X11,Z
code:0573 b9 83    std    Y+0x1,X11
code:0574 a8 83    st    Y,X10
code:0575 fc 01    movw   Z,R25R24
code:0576 e5 5f    subi   Z10,0xf5
code:0577 fd 4f    sbci   Z11,0xfd
code:0578 24 91    lpm    R18,Z
code:0579 2c 83    std    Y+0x4,R18
code:057a 81 2f    mov    R24,R17
code:057b 90 e0    ldi    R25,0x0
code:057c fc 01    movw   Z,R25R24
code:057d eb 53    subi   Z10,0x3b
code:057e fe 4f    sbci   Z11,0xfe
code:057f e4 91    lpm    Z10,Z
code:0580 f0 e0    ldi    Z11,0x0
code:0581 ee 0f    add    Z10,Z10
code:0582 ff 1f    adc    Z11,Z11
code:0583 e5 55    subi   Z10,0x55
code:0584 fe 4f    sbci   Z11,0xfe
code:0585 45 91    lpm    R20,Z+
code:0586 54 91    lpm    R21,Z
code:0587 5b 83    std    Y+0x3,R21
code:0588 4a 83    std    Y+0x2,R20
code:0589 fc 01    movw   Z,R25R24
code:058a e5 5f    subi   Z10,0xf5
code:058b fd 4f    sbci   Z11,0xfd
code:058c e4 91    lpm    Z10,Z
code:058d ed 83    std    Y+0x5,Z10
code:058e 1f 82    std    Y+0x7,R1
code:058f 18 86    std    Y+0x8,R1
```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0590 19 86      std      Y+0x9,R1
code:0591 1a 86      std      Y+0xa,R1
code:0592 8b e3      ldi      R24,0x3b
code:0593 9f e1      ldi      R25,0x1f

LAB_code_0594                                XREF [1]:  code:0595(j)
code:0594 01 97      sbiw     R25R24,0x1
code:0595 f1 f7      brbc     LAB_code_0594,Zf1g
code:0596 8c 91      ld       R24,X
code:0597 28 23      and     R18,R24
code:0598 91 e0      ldi     R25,0x1
code:0599 09 f4      brbc     LAB_code_059b,Zf1g
code:059a 90 e0      ldi     R25,0x0

LAB_code_059b                                XREF [1]:  code:0599(j)
code:059b da 01      movw    X,R21R20
code:059c 8c 91      ld       R24,X
code:059d e8 23      and     Z10,R24
code:059e 09 f0      brbs    LAB_code_05a0,Zf1g
code:059f 92 60      ori     R25,0x2

LAB_code_05a0                                XREF [1]:  code:059e(j)
code:05a0 9e 83      std     Y+0x6,R25
code:05a1 be 01      movw    R23R22,Y
code:05a2 80 2f      mov     R24,R16
code:05a3 0e 94 55 05 call     FUN_code_0555                undefined FUN_code_0555 ()
code:05a5 08 2f      mov     R16,R24
code:05a6 be 01      movw    R23R22,Y
code:05a7 81 2f      mov     R24,R17
code:05a8 0e 94 55 05 call     FUN_code_0555                undefined FUN_code_0555 ()
code:05aa 80 0f      add     R24,R16
code:05ab 8b 87      std     Y+0xb,R24
code:05ac df 91      pop     Yhi
code:05ad cf 91      pop     Ylo
code:05ae 1f 91      pop     R17
code:05af 0f 91      pop     R16
code:05b0 08 95      ret

*****
*                               *
*                               *
*****
undefined FUN_code_05b1()
undefined R24:1 <RETURN>
FUN_code_05b1                                XREF [1]:  FUN_code_05ff:0604(c)
code:05b1 8f 92      push    R8
code:05b2 9f 92      push    R9
code:05b3 af 92      push    R10
code:05b4 bf 92      push    R11
code:05b5 0f 93      push    R16
code:05b6 1f 93      push    R17
code:05b7 cf 93      push    Ylo
code:05b8 df 93      push    Yhi
code:05b9 cd b7      in     Ylo,SPH
code:05ba de b7      in     Yhi,SPH
code:05bb a1 97      sbiw   Y,0x21
code:05bc 0f b6      in     R0,SREG
code:05bd f8 94      cli
code:05be de bf      out    SPH,Yhi
code:05bf 0f be      out    SREG,R0
code:05c0 cd bf      out    SPL,Ylo
code:05c1 19 a2      std     Y+0x21,R1
code:05c2 42 30      cpi    R20,0x2
code:05c3 08 f4      brbc   LAB_code_05c5,Cf1g
code:05c4 4a e0      ldi    R20,0xa

LAB_code_05c5                                XREF [1]:  code:05c3(j)
code:05c5 8e 01      movw   R17R16,Y
code:05c6 0f 5d      subi   R16,0xdf
code:05c7 1f 4f      sbci   R17,0xff
code:05c8 84 2e      mov    R8,R20
code:05c9 91 2c      mov    R9,R1
code:05ca b1 2c      mov    R11,R1
code:05cb a1 2c      mov    R10,R1

LAB_code_05cc                                XREF [1]:  code:05dc(j)
code:05cc a5 01      movw   R21R20,R11R10
code:05cd 94 01      movw   R19R18,R9R8
code:05ce 0e 94 f7 0f call    FUN_code_0ff7                undefined FUN_code_0ff7 ()
code:05d0 e6 2f      mov    Z10,R22
code:05d1 b9 01      movw   R23R22,R19R18
code:05d2 ca 01      movw   R25R24,R21R20
code:05d3 ea 30      cpi    Z10,0xa
code:05d4 44 f5      brbc   LAB_code_05fd,Sf1g
code:05d5 e0 5d      subi   Z10,0xd0

```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

LAB_code_05d6                                XREF [1]:    code:05fe(j)
code:05d6 d8 01      movw    X,R17R16
code:05d7 ee 93      st      -X,Zlo
code:05d8 8d 01      movw    R17R16,X
code:05d9 23 2b      or     R18,R19
code:05da 24 2b      or     R18,R20
code:05db 25 2b      or     R18,R21
code:05dc 79 f7      brbc   LAB_code_05cc,Zflg
code:05dd 90 e0      ldi    R25,0x0
code:05de 80 e0      ldi    R24,0x0
code:05df 10 97      sbiw   X,0x0
code:05e0 69 f0      brbs   LAB_code_05ee,Zflg
code:05e1 fd 01      movw   Z,X

LAB_code_05e2                                XREF [1]:    code:05e4(j)
code:05e2 01 90      ld     R0,Z+
code:05e3 00 20      and   R0,R0
code:05e4 e9 f7      brbc   LAB_code_05e2,Zflg
code:05e5 31 97      sbiw   Z,0x1
code:05e6 af 01      movw   R21R20,Z
code:05e7 4a 1b      sub   R20,Xlo
code:05e8 5b 0b      sbc   R21,Xhi
code:05e9 bd 01      movw   R23R22,X
code:05ea 80 e5      ldi    R24,0x50
code:05eb 98 e0      ldi    R25,0x8
code:05ec 0e 94 af 01 call   FUN_code_01af()                undefinedFUN_code_01af()

LAB_code_05ee                                XREF [1]:    code:05e0(j)
code:05ee a1 96      adiw   Y,0x21
code:05ef 0f b6      in     R0,SREG
code:05f0 f8 94      cli
code:05f1 de bf      out   SPH,Yhi
code:05f2 0f be      out   SREG,R0
code:05f3 cd bf      out   SPL,Ylo
code:05f4 df 91      pop   Yhi
code:05f5 cf 91      pop   Ylo
code:05f6 1f 91      pop   R17
code:05f7 0f 91      pop   R16
code:05f8 bf 90      pop   R11
code:05f9 af 90      pop   R10
code:05fa 9f 90      pop   R9
code:05fb 8f 90      pop   R8
code:05fc 08 95      ret

LAB_code_05fd                                XREF [1]:    code:05d4(j)
code:05fd e9 5c      subi   Zlo,0xc9
code:05fe d7 cf      rjmp   LAB_code_05d6

*****
*                               *
*                               *
*****
undefined FUN_code_05ff()
R24:l      <RETURN>
FUN_code_05ff                                XREF [3]:    FUN_code_0618:0635(c),
                                                FUN_code_0ae1:0c23(c),
                                                FUN_code_0ae1:0d03(c)

code:05ff 4a e0      ldi    R20,0xa
code:0600 61 e0      ldi    R22,0x1
code:0601 70 e0      ldi    R23,0x0
code:0602 80 e0      ldi    R24,0x0
code:0603 90 e0      ldi    R25,0x0
code:0604 0c 94 b1 05 jmp     FUN_code_05b1()                undefinedFUN_code_05b1()

-- Flow Override: CALL_RETURN (CALL_TERMINATOR)

*****
*                               *
*                               *
*****
undefined FUN_code_0606()
R24:l      <RETURN>
FUN_code_0606                                XREF [12]:   FUN_code_0618:062f(c),
                                                FUN_code_0618:063d(c),
                                                FUN_code_0ae1:0c1d(c),
                                                FUN_code_0ae1:0c2b(c),
                                                FUN_code_0ae1:0cfd(c),
                                                FUN_code_0ae1:0d0b(c),
                                                FUN_code_0ae1:0d6d(c),
                                                FUN_code_0ae1:0e5f(c),
                                                FUN_code_0ae1:0e8b(c),
                                                FUN_code_0ae1:0ee6(c),
                                                FUN_code_0ae1:0f21(c),
                                                FUN_code_0ae1:0f88(c)

code:0606 00 97      sbiw   R25R24,0x0
code:0607 69 f0      brbs   LAB_code_0615,Zflg
code:0608 fc 01      movw   Z,R25R24

```

Ghidra RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

LAB_code_0609                                XREF[1]:  code:060b(j)
code:0609 01 90      ld      R0,Z+
code:060a 00 20      and     R0,R0
code:060b e9 f7      brbc   LAB_code_0609,Zflg
code:060c 31 97      sbiw  Z,0x1
code:060d af 01      movw  R21R20,Z
code:060e 48 1b      sub   R20,R24
code:060f 59 0b      sbc   R21,R25
code:0610 bc 01      movw  R23R22,R25R24
code:0611 80 e5      ldi   R24,0x50
code:0612 98 e0      ldi   R25,0x8
code:0613 0c 94 af 01 jmp    FUN_code_01af          undefined FUN_code_01af()
-- Flow Override: CALL_RETURN (CALL_TERMINATOR)

LAB_code_0615                                XREF[1]:  code:0607(j)
code:0615 90 e0      ldi   R25,0x0
code:0616 80 e0      ldi   R24,0x0
code:0617 08 95      ret

*****
*                               *
*                               *
*****
undefined FUN_code_0618()
R24:1      <RETURN>
undefined FUN_code_0618                                XREF[1]:  FUN_code_0681:0684(c)
code:0618 0f 93      push  R16
code:0619 1f 93      push  R17
code:061a cf 93      push  Ylo
code:061b df 93      push  Yhi

LAB_code_061c                                XREF[3]:  code:0649(j), code:0650(j),
code:061c 80 e5      ldi   R24,0x50                                code:067b(j)
code:061d 98 e0      ldi   R25,0x8
code:061e 0e 94 17 02 call  FUN_code_0217          undefined FUN_code_0217()
code:0620 89 2b      or    R24,R25
code:0621 09 f4      brbc  LAB_code_0623,Zflg
code:0622 59 c0      rjmp  LAB_code_067c

LAB_code_0623                                XREF[1]:  code:0621(j)
code:0623 80 e5      ldi   R24,0x50
code:0624 98 e0      ldi   R25,0x8
code:0625 0e 94 f5 01 call  FUN_code_01f5          undefined FUN_code_01f5()
code:0627 8c 37      cpi   R24,0x7c
code:0628 09 f5      brbc  LAB_code_064a,Zflg
code:0629 85 e6      ldi   R24,0x65
code:062a 91 e0      ldi   R25,0x1
code:062b 0e 94 9c 02 call  FUN_code_029c          undefined FUN_code_029c()
code:062d 82 e3      ldi   R24,0x32
code:062e 93 e0      ldi   R25,0x3
code:062f 0e 94 06 06 call  FUN_code_0606          undefined FUN_code_0606()
code:0631 83 e6      ldi   R24,0x63
code:0632 91 e0      ldi   R25,0x1
code:0633 0e 94 9c 02 call  FUN_code_029c          undefined FUN_code_029c()
code:0635 0e 94 ff 05 call  FUN_code_05ff          undefined FUN_code_05ff()
code:0637 81 e6      ldi   R24,0x61
code:0638 91 e0      ldi   R25,0x1
code:0639 0e 94 9c 02 call  FUN_code_029c          undefined FUN_code_029c()
code:063b 8e e0      ldi   R24,0xe
code:063c 92 e0      ldi   R25,0x2
code:063d 0e 94 06 06 call  FUN_code_0606          undefined FUN_code_0606()
code:063f 8f e5      ldi   R24,0x5f
code:0640 91 e0      ldi   R25,0x1
code:0641 0e 94 9c 02 call  FUN_code_029c          undefined FUN_code_029c()
code:0643 0e 94 dc 01 call  FUN_code_01dc          undefined FUN_code_01dc()
code:0645 8c e5      ldi   R24,0x5c
code:0646 91 e0      ldi   R25,0x1
code:0647 0e 94 9c 02 call  FUN_code_029c          undefined FUN_code_029c()
code:0649 d2 cf      rjmp  LAB_code_061c

LAB_code_064a                                XREF[1]:  code:0628(j)
code:064a 8c 33      cpi   R24,0x3c
code:064b 29 f4      brbc  LAB_code_0651,Zflg

LAB_code_064c                                XREF[2]:  code:0669(j), code:0670(j)
code:064c 10 92 eb 07 sts   DAT_mem_07eb,R1          = ??
code:064e 10 92 ea 07 sts   DAT_mem_07ea,R1          = ??
code:0650 cb cf      rjmp  LAB_code_061c

LAB_code_0651                                XREF[1]:  code:064b(j)
code:0651 8a 30      cpi   R24,0xa
code:0652 b9 f4      brbc  LAB_code_066a,Zflg
code:0653 ce e1      ldi   Ylo,0x1e
code:0654 d2 e0      ldi   Yhi,0x2
code:0655 06 e8      ldi   R16,0x86

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Ghidra RealSim Gear-Arduino-3.2.4-G100XFD.ino.mega.hex

```

code:0656 17 e0      ldi        R17,0x7

                                LAB_code_0657                                XREF [1]:  code:0668(j)
code:0657 89 91      ld         R24,Y+=>DAT_mem_021e                                = ??
code:0658 99 91      ld         R25,Y+=>DAT_mem_021f                                = ??
code:0659 00 97      sbiw      R25,R24,0x0
code:065a 41 f0      brbs     LAB_code_0663,Zflg
code:065b f8 01      movw     Z,R17R16
code:065c 20 81      ld         R18,Z=>DAT_mem_0786                                = ??
code:065d 61 e0      ldi        R22,0x1
code:065e 21 33      cpi      R18,0x31
code:065f 09 f0      brbs     LAB_code_0661,Zflg
code:0660 60 e0      ldi        R22,0x0

                                LAB_code_0661                                XREF [1]:  code:065f(j)
code:0661 0e 94 67 03  call     FUN_code_0367                                undefined FUN_code_0367 ()

                                LAB_code_0663                                XREF [1]:  code:065a(j)
code:0663 0f 5f      subi     R16,0xff
code:0664 1f 4f      sbci     R17,0xff
code:0665 f2 e0      ldi      Zhi,0x2
code:0666 c0 33      cpi      Ylo,0x30
code:0667 df 07      cpc      Yhi,Zhi
code:0668 71 f7      brbc     LAB_code_0657,Zflg
code:0669 e2 cf      rjmp    LAB_code_064c

                                LAB_code_066a                                XREF [1]:  code:0652(j)
code:066a 20 91 ea 07  lds      R18,DAT_mem_07ea                                = ??
code:066b 30 91 eb 07  lds      R19,DAT_mem_07eb                                = ??
code:066c 24 36      cpi      R18,0x64
code:066d 31 05      cpc      R19,R1
code:066e dc f6      brbc     LAB_code_064c,Sflg
code:066f f9 01      movw     Z,R19R18
code:0670 ea 57      subi     Zlo,0x7a
code:0671 f8 4f      sbci     Zhi,0xf8
code:0672 80 83      st       Z,R24
code:0673 2f 5f      subi     R18,0xff
code:0674 3f 4f      sbci     R19,0xff
code:0675 30 93 eb 07  sts     DAT_mem_07eb,R19                                = ??
code:0676 20 93 ea 07  sts     DAT_mem_07ea,R18                                = ??
code:0677 a0 cf      rjmp    LAB_code_061c

                                LAB_code_067c                                XREF [1]:  code:0622(j)
code:067c df 91      pop     Yhi
code:067d cf 91      pop     Ylo
code:067e 1f 91      pop     R17
code:067f 0f 91      pop     R16
code:0680 08 95      ret

*****
*                FUNCTION                *
*****
undefined FUN_code_0681()
R24:l      <RETURN>
                                FUN_code_0681                                XREF [1]:  FUN_code_0ae1:0f0b(c)
code:0681 0e 94 23 02  call     FUN_code_0223                                undefined FUN_code_0223 ()
code:0682 81 11      cpse    R24,R1
code:0683 0e 94 18 06  call     FUN_code_0618                                undefined FUN_code_0618 ()
code:0684 80 e0      ldi     R24,0x0
code:0685 90 e0      ldi     R25,0x0
code:0686 89 2b      or      R24,R25
code:0687 49 f0      brbs     LAB_code_0693,Zflg
code:0688 80 e0      ldi     R24,0x0
code:0689 90 e0      ldi     R25,0x0
code:068a 89 2b      or      R24,R25
code:068b 29 f0      brbs     LAB_code_0693,Zflg
code:068c 0e 94 00 00  call     0x0=>Reset
code:068d 81 11      cpse    R24,R1
code:068e 0e 94 00 00  call     0x0=>Reset

                                LAB_code_0693                                XREF [2]:  code:0689(j), code:068d(j)
code:0693 80 e0      ldi     R24,0x0
code:0694 90 e0      ldi     R25,0x0
code:0695 89 2b      or      R24,R25
code:0696 49 f0      brbs     LAB_code_06a0,Zflg
code:0697 80 e0      ldi     R24,0x0
code:0698 90 e0      ldi     R25,0x0
code:0699 89 2b      or      R24,R25
code:069a 29 f0      brbs     LAB_code_06a0,Zflg
code:069b 0e 94 00 00  call     0x0=>Reset
code:069c 81 11      cpse    R24,R1
code:069d 0e 94 00 00  call     0x0=>Reset

                                LAB_code_06a0                                XREF [2]:  code:0696(j), code:069a(j)
code:06a0 80 e0      ldi     R24,0x0
code:06a1 90 e0      ldi     R25,0x0

```


Ghidra RealSim Gear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:06a2 89 2b      or      R24,R25
code:06a3 49 f0      brbs   LAB_code_06ad,Zflg
code:06a4 80 e0      ldi    R24,0x0
code:06a5 90 e0      ldi    R25,0x0
code:06a6 89 2b      or      R24,R25
code:06a7 29 f0      brbs   LAB_code_06ad,Zflg
code:06a8 0e 94 00 00 call    0x0=>Reset
code:06aa 81 11      cpse   R24,R1
code:06ab 0c 94 00 00 jmp     0x0=>Reset

LAB_code_06ad                                XREF [2]:  code:06a3(j), code:06a7(j)
code:06ad 08 95      ret

*****
*                                     *
*                               FUNCTION                               *
*****
undefined FUN_code_06ae()
undefined      R24:1      <RETURN>
FUN_code_06ae
code:06ae cf 92      push   R12
code:06af df 92      push   R13
code:06b0 ef 92      push   R14
code:06b1 ff 92      push   R15
code:06b2 0f 93      push   R16
code:06b3 1f 93      push   R17
code:06b4 cf 93      push   Y10
code:06b5 df 93      push   Y11
code:06b6 ec 01      movw   Y,R25R24
code:06b7 e6 2e      mov    R14,R22
code:06b8 84 e0      ldi    R24,0x4
code:06b9 90 e0      ldi    R25,0x0
code:06ba 0e 94 40 10 call    FUN_code_1040      undefined FUN_code_1040 ()
code:06bc fc 01      movw   Z,R25R24
code:06bd 82 e0      ldi    R24,0x2
code:06be 80 83      st     Z,R24
code:06bf 83 e0      ldi    R24,0x3
code:06c0 81 83      std   Z+0x1,R24
code:06c1 94 e0      ldi    R25,0x4
code:06c2 92 83      std   Z+0x2,R25
code:06c3 85 e0      ldi    R24,0x5
code:06c4 83 83      std   Z+0x3,R24
code:06c5 28 e2      ldi    R18,0x28
code:06c6 33 e0      ldi    R19,0x3
code:06c7 39 83      std   Y+0x1,R19
code:06c8 28 83      st     Y,R18
code:06c9 8f ef      ser    R24
code:06ca 8a 83      std   Y+0x2,R24
code:06cb 8b 83      std   Y+0x3,R24
code:06cc 8c 83      std   Y+0x4,R24
code:06cd 8a 87      std   Y+0xa,R24
code:06ce 8b 87      std   Y+0xb,R24
code:06cf 8c 87      std   Y+0xc,R24
code:06d0 99 87      std   Y+0x9,R25
code:06d1 8f 01      movw   R17R16,Z
code:06d2 6e 01      movw   R13R12,Y
code:06d3 85 e0      ldi    R24,0x5
code:06d4 c8 0e      add    R12,R24
code:06d5 d1 1c      adc    R13,R1
code:06d6 f1 2c      mov    R15,R1

LAB_code_06d7                                XREF [1]:  code:06e5(j)
code:06d7 f8 01      movw   Z,R17R16
code:06d8 81 91      ld     R24,Z+
code:06d9 8f 01      movw   R17R16,Z
code:06da 87 fd      sbrc   R24,0x7
code:06db 36 c0      rjmp   LAB_code_0712
code:06dc f6 01      movw   Z,R13R12
code:06dd 81 93      st     Z+,R24
code:06de 6f 01      movw   R13R12,Z
code:06df 61 e0      ldi    R22,0x1
code:06e0 0e 94 95 03 call    FUN_code_0395      undefined FUN_code_0395 ()
code:06e2 f3 94      inc    R15
code:06e3 f4 e0      ldi    Zhi,0x4
code:06e4 ff 12      cpse   R15,Zhi
code:06e5 f1 cf      rjmp   LAB_code_06d7

LAB_code_06e6                                XREF [1]:  code:0713(j)
code:06e6 8f ef      ser    R24
code:06e7 8c 83      std   Y+0x4,R24
code:06e8 80 e1      ldi    R24,0x10
code:06e9 93 e0      ldi    R25,0x3
code:06ea 99 83      std   Y+0x1,R25
code:06eb 88 83      st     Y,R24
code:06ec 8b 85      ldd   R24,Y+0xb
code:06ed 87 fd      sbrc   R24,0x7
code:06ee 11 c0      rjmp   LAB_code_0700

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GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:06ef 28 2f      mov     R18,R24
code:06f0 08 2e      mov     R0,R24
code:06f1 00 0c      add     R0,R0
code:06f2 33 0b      sbc     R19,R19
code:06f3 e2 16      cp      R14,R18
code:06f4 13 06      cpc     R1,R19
code:06f5 51 f0      brbs   LAB_code_0700,Zflg
code:06f6 9a 85      ldd     R25,Y+0xa
code:06f7 91 30      cpi     R25,0x1
code:06f8 19 f4      brbc   LAB_code_06fc,Zflg
code:06f9 60 e0      ldi     R22,0x0
code:06fa 0e 94 67 03 call    FUN_code_0367                                undefined FUN_code_0367 ()

LAB_code_06fc                                XREF [1]:  code:06f8(j)
code:06fc 60 e0      ldi     R22,0x0
code:06fd 8b 85      ldd     R24,Y+0xb
code:06fe 0e 94 95 03 call    FUN_code_0395                                undefined FUN_code_0395 ()

LAB_code_0700                                XREF [2]:  code:06ee(j), code:06f5(j)
code:0700 82 e0      ldi     R24,0x2
code:0701 8a 87      std     Y+0xa,R24
code:0702 eb 86      std     Y+0xb,R14
code:0703 62 e0      ldi     R22,0x2
code:0704 8e 2d      mov     R24,R14
code:0705 0e 94 95 03 call    FUN_code_0395                                undefined FUN_code_0395 ()
code:0707 81 e0      ldi     R24,0x1
code:0708 8c 87      std     Y+0xc,R24
code:0709 df 91      pop     Yhi
code:070a cf 91      pop     Ylo
code:070b 1f 91      pop     R17
code:070c 0f 91      pop     R16
code:070d ff 90      pop     R15
code:070e ef 90      pop     R14
code:070f df 90      pop     R13
code:0710 cf 90      pop     R12
code:0711 08 95      ret

LAB_code_0712                                XREF [1]:  code:06db(j)
code:0712 f9 86      std     Y+0x9,R15
code:0713 d2 cf      rjmp   LAB_code_06e6
code:0714 0e          ??     0Eh
code:0714.1 94       ??     94h
code:0715 46          ??     46h    F
code:0715.1 12       ??     12h

*****
*                               *
*****
undefined FUN_code_0716()
undefined R24:1 <RETURN>
FUN_code_0716                                XREF [2]:  FUN_code_0750:075a(c),
                                                FUN_code_0ae1:0bde(c)

code:0716 0f 93      push    R16
code:0717 1f 93      push    R17
code:0718 cf 93      push    Ylo
code:0719 df 93      push    Yhi
code:071a ec 01      movw   Y,R25R24
code:071b 88 81      ld      R24,Y
code:071c 99 81      ldd     R25,Y+0x1
code:071d 00 97      sbiw   R25R24,0x0
code:071e 59 f0      brbs   LAB_code_072a,Zflg
code:071f 2a 81      ldd     R18,Y+0x2
code:0720 3b 81      ldd     R19,Y+0x3
code:0721 26 17      cp      R18,R22
code:0722 37 07      cpc     R19,R23
code:0723 30 f0      brbs   LAB_code_072a,Cflg

LAB_code_0724                                XREF [2]:  code:0738(j), code:073b(j)
code:0724 81 e0      ldi     R24,0x1

LAB_code_0725                                XREF [1]:  code:073d(j)
code:0725 df 91      pop     Yhi
code:0726 cf 91      pop     Ylo
code:0727 1f 91      pop     R17
code:0728 0f 91      pop     R16
code:0729 08 95      ret

LAB_code_072a                                XREF [2]:  code:071e(j), code:0723(j)
code:072a 8b 01      movw   R17R16,R23R22
code:072b 6f 5f      subi   R22,0xff
code:072c 7f 4f      sbci   R23,0xff
code:072d 0e 94 65 11 call    FUN_code_1165                                undefined FUN_code_1165 ()
code:072f 00 97      sbiw   R25R24,0x0
code:0730 59 f0      brbs   LAB_code_073c,Zflg
code:0731 99 83      std     Y+0x1,R25
code:0732 88 83      st     Y,R24

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Ghidra RealSim Gear-Arduino-3.2.4-G1000XFD.ino.mega.hex

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code:0733 1b 83      std     Y+0x3,R17
code:0734 0a 83      std     Y+0x2,R16
code:0735 2c 81      ldd     R18,Y+0x4
code:0736 3d 81      ldd     R19,Y+0x5
code:0737 23 2b      or      R18,R19
code:0738 59 f7      brbc    LAB_code_0724,Z,flg
code:0739 fc 01      movw   Z,R25R24
code:073a 10 82      st     Z,R1
code:073b e8 cf      rjmp   LAB_code_0724

LAB_code_073c                                XREF [1]:  code:0730(j)
code:073c 80 e0      ldi     R24,0x0
code:073d e7 cf      rjmp   LAB_code_0725

*****
*                               *
*****
FUNCTION
*****
undefined FUN_code_073e()
R24:1      <RETURN>
XREF [3]:  FUN_code_0750:075f(c),
           FUN_code_0771:0785(c),
           FUN_code_0ae1:0c14(c)

code:073e cf 93      push   Ylo
code:073f df 93      push   Yhi
code:0740 ec 01      movw   Y,R25R24
code:0741 88 81      ld     R24,Y
code:0742 99 81      ldd   R25,Y+0x1
code:0743 00 97      sbiw  R25R24,0x0
code:0744 11 f0      brbs   LAB_code_0747,Z,flg
code:0745 0e 94 dc 10 call   FUN_code_10dc()
                                           undefined FUN_code_10dc ()

LAB_code_0747                                XREF [1]:  code:0744(j)
code:0747 19 82      std     Y+0x1,R1
code:0748 18 82      st     Y,R1
code:0749 1d 82      std     Y+0x5,R1
code:074a 1c 82      std     Y+0x4,R1
code:074b 1b 82      std     Y+0x3,R1
code:074c 1a 82      std     Y+0x2,R1
code:074d df 91      pop    Yhi
code:074e cf 91      pop    Ylo
code:074f 08 95      ret

*****
*                               *
*****
FUNCTION
*****
undefined FUN_code_0750()
R24:1      <RETURN>
XREF [2]:  FUN_code_0771:077f(c),
           FUN_code_0ae1:0bc2(c)

code:0750 ef 92      push   R14
code:0751 ff 92      push   R15
code:0752 0f 93      push   R16
code:0753 1f 93      push   R17
code:0754 cf 93      push   Ylo
code:0755 df 93      push   Yhi
code:0756 ec 01      movw   Y,R25R24
code:0757 7b 01      movw   R15R14,R23R22
code:0758 8a 01      movw   R17R16,R21R20
code:0759 ba 01      movw   R23R22,R21R20
code:075a 0e 94 16 07 call   FUN_code_0716()
                                           undefined FUN_code_0716 ()
code:075c 81 11      cpse   R24,R1
code:075d 0b c0      rjmp   LAB_code_0769
code:075e ce 01      movw   R25R24,Y
code:075f 0e 94 3e 07 call   FUN_code_073e()
                                           undefined FUN_code_073e ()

LAB_code_0761                                XREF [1]:  code:0770(j)
code:0761 ce 01      movw   R25R24,Y
code:0762 df 91      pop    Yhi
code:0763 cf 91      pop    Ylo
code:0764 1f 91      pop    R17
code:0765 0f 91      pop    R16
code:0766 ff 90      pop    R15
code:0767 ef 90      pop    R14
code:0768 08 95      ret

LAB_code_0769                                XREF [1]:  code:075d(j)
code:0769 1d 83      std     Y+0x5,R17
code:076a 0c 83      std     Y+0x4,R16
code:076b b7 01      movw   R23R22,R15R14
code:076c 88 81      ld     R24,Y
code:076d 99 81      ldd   R25,Y+0x1
code:076e 0e 94 5c 12 call   FUN_code_125c()
                                           undefined FUN_code_125c ()
code:0770 f0 cf      rjmp   LAB_code_0761

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Ghidra RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

*****
*                               FUNCTION                               *
*****
undefined FUN_code_0771()
R24:l <RETURN>
FUN_code_0771
XREF [2]: FUN_code_0ae1:0bcd(c),
          FUN_code_0ae1:0bf0(c)

code:0771 cf 93      push    Ylo
code:0772 df 93      push    Yhi
code:0773 ec 01      movw   Y,R25R24
code:0774 fb 01      movw   Z,R23R22
code:0775 86 17      cp     R24,R22
code:0776 97 07      cpc   R25,R23
code:0777 49 f0      brbs  LAB_code_0781,Zflg
code:0778 60 81      ld     R22,Z
code:0779 71 81      ldd   R23,Z+0x1
code:077a 61 15      cp     R22,R1
code:077b 71 05      cpc   R23,R1
code:077c 41 f0      brbs  LAB_code_0785,Zflg
code:077d 44 81      ldd   R20,Z+0x4
code:077e 55 81      ldd   R21,Z+0x5
code:077f 0e 94 50 07 call    FUN_code_0750
XREF [2]: undefinedFUN_code_0750()

LAB_code_0781
XREF [2]: code:0777(j), code:0787(j)

code:0781 ce 01      movw   R25R24,Y
code:0782 df 91      pop    Yhi
code:0783 cf 91      pop    Ylo
code:0784 08 95      ret

LAB_code_0785
XREF [1]: code:077c(j)
code:0785 0e 94 3e 07 call    FUN_code_073e
code:0787 f9 cf      rjmp  LAB_code_0781
XREF [1]: undefinedFUN_code_073e()

*****
*                               FUNCTION                               *
*****
undefined FUN_code_0788()
R24:l <RETURN>
FUN_code_0788
XREF [2]: FUN_code_0ae1:0bf3(c),
          FUN_code_0ae1:0bf7(c)

code:0788 fc 01      movw   Z,R25R24
code:0789 80 81      ld     R24,Z
code:078a 91 81      ldd   R25,Z+0x1
code:078b 00 97      sbiw  R25R24,0x0
code:078c 11 f0      brbs  LAB_code_078f,Zflg
code:078d 0c 94 dc 10 jmp     FUN_code_10dc
XREF [2]: undefinedFUN_code_10dc()
-- Flow Override: CALL_RETURN (CALL_TERMINATOR)

LAB_code_078f
XREF [1]: code:078c(j)
code:078f 08 95      ret

*****
*                               FUNCTION                               *
*****
undefined FUN_code_0790()
R24:l <RETURN>
FUN_code_0790

code:0790 1f 92      push   R1
code:0791 0f 92      push   R0
code:0792 0f b6      in     R0,SREG
code:0793 0f 92      push   R0
code:0794 11 24      eor   R1,R1
code:0795 0b b6      in     R0,RAMPZ
code:0796 0f 92      push   R0
code:0797 2f 93      push   R18
code:0798 3f 93      push   R19
code:0799 4f 93      push   R20
code:079a 5f 93      push   R21
code:079b 6f 93      push   R22
code:079c 7f 93      push   R23
code:079d 8f 93      push   R24
code:079e 9f 93      push   R25
code:079f af 93      push   Xlo
code:07a0 bf 93      push   Xhi
code:07a1 ef 93      push   Zlo
code:07a2 ff 93      push   Zhi
code:07a3 80 e5      ldi   R24,0x50
code:07a4 98 e0      ldi   R25,0x8
code:07a5 0e 94 2d 02 call    FUN_code_022d
XREF [2]: undefinedFUN_code_022d()
code:07a7 ff 91      pop    Zhi
code:07a8 ef 91      pop    Zlo
code:07a9 bf 91      pop    Xhi
code:07aa af 91      pop    Xlo
code:07ab 9f 91      pop    R25
code:07ac 8f 91      pop    R24

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GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:07ad 7f 91      pop      R23
code:07ae 6f 91      pop      R22
code:07af 5f 91      pop      R21
code:07b0 4f 91      pop      R20
code:07b1 3f 91      pop      R19
code:07b2 2f 91      pop      R18
code:07b3 0f 90      pop      R0
code:07b4 0b be      out     RAMPZ,R0
code:07b5 0f 90      pop      R0
code:07b6 0f be      out     SREG,R0
code:07b7 0f 90      pop      R0
code:07b8 1f 90      pop      R1
code:07b9 18 95      reti

*****
*                               *
*                               *
*****
undefined FUN_code_07ba()
      R24:1      <RETURN>
      FUN_code_07ba
code:07ba 1f 92      push    R1
code:07bb 0f 92      push    R0
code:07bc 0f b6      in     R0,SREG
code:07bd 0f 92      push    R0
code:07be 11 24      eor    R1,R1
code:07bf 0b b6      in     R0,RAMPZ
code:07c0 0f 92      push    R0
code:07c1 2f 93      push    R18
code:07c2 8f 93      push    R24
code:07c3 9f 93      push    R25
code:07c4 ef 93      push    Zlo
code:07c5 ff 93      push    Zhi
code:07c6 e0 91 60 08      lds    Zlo,DAT_mem_0860      = ??
code:07c8 f0 91 61 08      lds    Zhi,DAT_mem_0861      = ??
code:07ca 80 81      ld     R24,Z
code:07cb e0 91 66 08      lds    Zlo,DAT_mem_0866      = ??
code:07cd f0 91 67 08      lds    Zhi,DAT_mem_0867      = ??
code:07cf 82 fd      sbrc   R24,0x2
code:07d0 1d c0      rjmp   LAB_code_07ee
code:07d1 90 81      ld     R25,Z
code:07d2 80 91 69 08      lds    R24,DAT_mem_0869      = ??
code:07d4 8f 5f      subi   R24,0xff
code:07d5 8f 73      andi   R24,0x3f
code:07d6 20 91 6a 08      lds    R18,DAT_mem_086a      = ??
code:07d8 82 17      cp     R24,R18
code:07d9 41 f0      brbs   LAB_code_07e2,Zf1g
code:07da e0 91 69 08      lds    Zlo,DAT_mem_0869      = ??
code:07dc f0 e0      ldi    Zhi,0x0
code:07dd e0 5b      subi   Zlo,0xb0
code:07de f7 4f      sbci   Zhi,0xf7
code:07df 95 8f      std    Z+0x1d,R25
code:07e0 80 93 69 08      sts    DAT_mem_0869,R24      = ??

      LAB_code_07e2
code:07e2 ff 91      pop     Zhi
code:07e3 ef 91      pop     Zlo
code:07e4 9f 91      pop     R25
code:07e5 8f 91      pop     R24
code:07e6 2f 91      pop     R18
code:07e7 0f 90      pop     R0
code:07e8 0b be      out    RAMPZ,R0
code:07e9 0f 90      pop     R0
code:07ea 0f be      out    SREG,R0
code:07eb 0f 90      pop     R0
code:07ec 1f 90      pop     R1
code:07ed 18 95      reti

      XREF[2]:      code:07d9(j), code:07ef(j)

      LAB_code_07ee
code:07ee 80 81      ld     R24,Z
code:07ef f2 cf      rjmp   LAB_code_07e2
code:07f0 1f      ??     1Fh
code:07f0.1 92      ??     92h
code:07f1 0f      ??     0Fh
code:07f1.1 92      ??     92h
code:07f2 0f      ??     0Fh
code:07f2.1 b6      ??     B6h
code:07f3 0f      ??     0Fh
code:07f3.1 92      ??     92h
code:07f4 11      ??     11h
code:07f4.1 24      ??     24h      $
code:07f5 2f      ??     2Fh      /
code:07f5.1 93      ??     93h
code:07f6 3f      ??     3Fh      ?
code:07f6.1 93      ??     93h
code:07f7 8f      ??     8Fh
code:07f7.1 93      ??     93h

```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:07f8 9f      ??      9Fh
code:07f8.1 93      ??      93h
code:07f9 af      ??      AFh
code:07f9.1 93      ??      93h
code:07fa bf      ??      BFh
code:07fa.1 93      ??      93h
code:07fb 80      ??      80h
code:07fb.1 91      ??      91h
code:07fc ed      ??      EDh
code:07fc.1 07      ??      07h
code:07fd 90      ??      90h
code:07fd.1 91      ??      91h
code:07fe ee      ??      EEh
code:07fe.1 07      ??      07h
code:07ff a0      ??      A0h
code:07ff.1 91      ??      91h
code:0800 ef      ??      EFh
code:0800.1 07      ??      07h
code:0801 b0      ??      B0h
code:0801.1 91      ??      91h
code:0802 f0      ??      F0h
code:0802.1 07      ??      07h
code:0803 30      ??      30h      0
code:0803.1 91      ??      91h
code:0804 ec      ??      ECh
code:0804.1 07      ??      07h
code:0805 23      ??      23h      #
code:0805.1 e0      ??      E0h
code:0806 23      ??      23h      #
code:0806.1 0f      ??      0Fh
code:0807 2d      ??      2Dh      -
code:0807.1 37      ??      37h      7
code:0808 58      ??      58h      X
code:0808.1 f5      ??      F5h
code:0809 01      ??      01h
code:0809.1 96      ??      96h
code:080a a1      ??      A1h
code:080a.1 1d      ??      1Dh
code:080b b1      ??      B1h
code:080b.1 1d      ??      1Dh
code:080c 20      ??      20h
code:080c.1 93      ??      93h
code:080d ec      ??      ECh
code:080d.1 07      ??      07h
code:080e 80      ??      80h
code:080e.1 93      ??      93h
code:080f ed      ??      EDh
code:080f.1 07      ??      07h
code:0810 90      ??      90h
code:0810.1 93      ??      93h
code:0811 ee      ??      EEh
code:0811.1 07      ??      07h
code:0812 a0      ??      A0h
code:0812.1 93      ??      93h
code:0813 ef      ??      EFh
code:0813.1 07      ??      07h
code:0814 b0      ??      B0h
code:0814.1 93      ??      93h
code:0815 f0      ??      F0h
code:0815.1 07      ??      07h
code:0816 80      ??      80h
code:0816.1 91      ??      91h
code:0817 f1      ??      F1h
code:0817.1 07      ??      07h
code:0818 90      ??      90h
code:0818.1 91      ??      91h
code:0819 f2      ??      F2h
code:0819.1 07      ??      07h
code:081a a0      ??      A0h
code:081a.1 91      ??      91h
code:081b f3      ??      F3h
code:081b.1 07      ??      07h
code:081c b0      ??      B0h
code:081c.1 91      ??      91h
code:081d f4      ??      F4h
code:081d.1 07      ??      07h
code:081e 01      ??      01h
code:081e.1 96      ??      96h
code:081f a1      ??      A1h
code:081f.1 1d      ??      1Dh
code:0820 b1      ??      B1h
code:0820.1 1d      ??      1Dh
code:0821 80      ??      80h
code:0821.1 93      ??      93h
code:0822 f1      ??      F1h
code:0822.1 07      ??      07h

```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0823 90      ??      90h
code:0823.1 93    ??      93h
code:0824 f2      ??      F2h
code:0824.1 07    ??      07h
code:0825 a0      ??      A0h
code:0825.1 93    ??      93h
code:0826 f3      ??      F3h
code:0826.1 07    ??      07h
code:0827 b0      ??      B0h
code:0827.1 93    ??      93h
code:0828 f4      ??      F4h
code:0828.1 07    ??      07h
code:0829 bf      ??      BFh
code:0829.1 91    ??      91h
code:082a af      ??      AFh
code:082a.1 91    ??      91h
code:082b 9f      ??      9Fh
code:082b.1 91    ??      91h
code:082c 8f      ??      8Fh
code:082c.1 91    ??      91h
code:082d 3f      ??      3Fh      ?
code:082d.1 91    ??      91h
code:082e 2f      ??      2Fh      /
code:082e.1 91    ??      91h
code:082f 0f      ??      0Fh
code:082f.1 90    ??      90h
code:0830 0f      ??      0Fh
code:0830.1 be    ??      BEh
code:0831 0f      ??      0Fh
code:0831.1 90    ??      90h
code:0832 1f      ??      1Fh
code:0832.1 90    ??      90h
code:0833 18      ??      18h
code:0833.1 95    ??      95h
code:0834 26      ??      26h      &
code:0834.1 e8    ??      E8h
code:0835 23      ??      23h      #
code:0835.1 0f    ??      0Fh
code:0836 02      ??      02h
code:0836.1 96    ??      96h
code:0837 a1      ??      A1h
code:0837.1 1d    ??      1Dh
code:0838 b1      ??      B1h
code:0838.1 1d    ??      1Dh
code:0839 d2      ??      D2h
code:0839.1 cf    ??      CFh

*****
*                               *
*                               *
*****
undefined FUN_code_083a()
undefined      R24:l      <RETURN>
FUN_code_083a      XREF [1]:      USART_UDRE:000c(T),
                        USART_UDRE:000c(j)

code:083a 1f 92      push      R1
code:083b 0f 92      push      R0
code:083c 0f b6      in        R0,SREG
code:083d 0f 92      push      R0
code:083e 11 24      eor       R1,R1
code:083f 0b b6      in        R0,RAMPZ
code:0840 0f 92      push      R0
code:0841 2f 93      push      R18
code:0842 3f 93      push      R19
code:0843 4f 93      push      R20
code:0844 5f 93      push      R21
code:0845 6f 93      push      R22
code:0846 7f 93      push      R23
code:0847 8f 93      push      R24
code:0848 9f 93      push      R25
code:0849 af 93      push      X1o
code:084a bf 93      push      Xhi
code:084b ef 93      push      Z1o
code:084c ff 93      push      Zhi
code:084d 80 91 7c 07  lds       R24,DAT_mem_077c      = ??
code:084f 90 91 7d 07  lds       R25,DAT_mem_077d      = ??
code:0851 0e 94 bb 04  call      FUN_code_04bb          undefined FUN_code_04bb ()
code:0853 ff 91      pop       Zhi
code:0854 ef 91      pop       Z1o
code:0855 bf 91      pop       Xhi
code:0856 af 91      pop       X1o
code:0857 9f 91      pop       R25
code:0858 8f 91      pop       R24
code:0859 7f 91      pop       R23
code:085a 6f 91      pop       R22
code:085b 5f 91      pop       R21
code:085c 4f 91      pop       R20

```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:085d 3f 91      pop      R19
code:085e 2f 91      pop      R18
code:085f 0f 90      pop      R0
code:0860 0b be      out     RAMPZ,R0
code:0861 0f 90      pop      R0
code:0862 0f be      out     SREG,R0
code:0863 0f 90      pop      R0
code:0864 1f 90      pop      R1
code:0865 18 95      reti

*****
*                               *
*                               *
*****
undefined FUN_code_0866()
undefined      R24:1      <RETURN>
FUN_code_0866      XREF [1]:      SPI_STC:000a(T), SPI_STC:000a(j)
code:0866 1f 92      push    R1
code:0867 0f 92      push    R0
code:0868 0f b6      in     R0,SREG
code:0869 0f 92      push    R0
code:086a 11 24      eor     R1,R1
code:086b 0b b6      in     R0,RAMPZ
code:086c 0f 92      push    R0
code:086d 2f 93      push    R18
code:086e 3f 93      push    R19
code:086f 4f 93      push    R20
code:0870 5f 93      push    R21
code:0871 6f 93      push    R22
code:0872 7f 93      push    R23
code:0873 8f 93      push    R24
code:0874 9f 93      push    R25
code:0875 af 93      push    Xlo
code:0876 bf 93      push    Xhi
code:0877 ef 93      push    Zlo
code:0878 ff 93      push    Zhi
code:0879 80 91 7a 07  lds     R24,DAT_mem_077a      = ??
code:087b 90 91 7b 07  lds     R25,DAT_mem_077b      = ??
code:087d 0e 94 bb 04  call    FUN_code_04bb         undefined FUN_code_04bb()
code:087f ff 91      pop     Zhi
code:0880 ef 91      pop     Zlo
code:0881 bf 91      pop     Xhi
code:0882 af 91      pop     Xlo
code:0883 9f 91      pop     R25
code:0884 8f 91      pop     R24
code:0885 7f 91      pop     R23
code:0886 6f 91      pop     R22
code:0887 5f 91      pop     R21
code:0888 4f 91      pop     R20
code:0889 3f 91      pop     R19
code:088a 2f 91      pop     R18
code:088b 0f 90      pop     R0
code:088c 0b be      out     RAMPZ,R0
code:088d 0f 90      pop     R0
code:088e 0f be      out     SREG,R0
code:088f 0f 90      pop     R0
code:0890 1f 90      pop     R1
code:0891 18 95      reti

*****
*                               *
*                               *
*****
undefined FUN_code_0892()
undefined      R24:1      <RETURN>
FUN_code_0892      XREF [1]:      TIMER1_OVF:0008(T),
TIMER1_OVF:0008(j)
code:0892 1f 92      push    R1
code:0893 0f 92      push    R0
code:0894 0f b6      in     R0,SREG
code:0895 0f 92      push    R0
code:0896 11 24      eor     R1,R1
code:0897 0b b6      in     R0,RAMPZ
code:0898 0f 92      push    R0
code:0899 2f 93      push    R18
code:089a 3f 93      push    R19
code:089b 4f 93      push    R20
code:089c 5f 93      push    R21
code:089d 6f 93      push    R22
code:089e 7f 93      push    R23
code:089f 8f 93      push    R24
code:08a0 9f 93      push    R25
code:08a1 af 93      push    Xlo
code:08a2 bf 93      push    Xhi
code:08a3 ef 93      push    Zlo
code:08a4 ff 93      push    Zhi
code:08a5 80 91 84 07  lds     R24,DAT_mem_0784      = ??
code:08a7 90 91 85 07  lds     R25,DAT_mem_0785      = ??

```


GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:08a9 0e 94 bb 04    call    FUN_code_04bb                undefinedFUN_code_04bb()
code:08ab ff 91         pop     Zhi
code:08ac ef 91         pop     Zlo
code:08ad bf 91         pop     Xhi
code:08ae af 91         pop     Xlo
code:08af 9f 91         pop     R25
code:08b0 8f 91         pop     R24
code:08b1 7f 91         pop     R23
code:08b2 6f 91         pop     R22
code:08b3 5f 91         pop     R21
code:08b4 4f 91         pop     R20
code:08b5 3f 91         pop     R19
code:08b6 2f 91         pop     R18
code:08b7 0f 90         pop     R0
code:08b8 0b be         out    RAMPZ,R0
code:08b9 0f 90         pop     R0
code:08ba 0f be         out    SREG,R0
code:08bb 0f 90         pop     R0
code:08bc 1f 90         pop     R1
code:08bd 18 95         reti

```

```

*****
*                               FUNCTION                               *
*****

```

```

undefined FUN_code_08be()
R24:1 <RETURN>
FUN_code_08be                                XREF [1]:  TIMER1_COMPA:0006(T),
                                                TIMER1_COMPA:0006(j)

code:08be 1f 92         push    R1
code:08bf 0f 92         push    R0
code:08c0 0f b6         in     R0,SREG
code:08c1 0f 92         push    R0
code:08c2 11 24         eor    R1,R1
code:08c3 0b b6         in     R0,RAMPZ
code:08c4 0f 92         push    R0
code:08c5 2f 93         push    R18
code:08c6 3f 93         push    R19
code:08c7 4f 93         push    R20
code:08c8 5f 93         push    R21
code:08c9 6f 93         push    R22
code:08ca 7f 93         push    R23
code:08cb 8f 93         push    R24
code:08cc 9f 93         push    R25
code:08cd af 93         push    Xlo
code:08ce bf 93         push    Xhi
code:08cf ef 93         push    Zlo
code:08d0 ff 93         push    Zhi
code:08d1 80 91 82 07    lds    R24,DAT_mem_0782            = ??
code:08d3 90 91 83 07    lds    R25,DAT_mem_0783            = ??
code:08d5 0e 94 bb 04    call    FUN_code_04bb                undefinedFUN_code_04bb()
code:08d7 ff 91         pop     Zhi
code:08d8 ef 91         pop     Zlo
code:08d9 bf 91         pop     Xhi
code:08da af 91         pop     Xlo
code:08db 9f 91         pop     R25
code:08dc 8f 91         pop     R24
code:08dd 7f 91         pop     R23
code:08de 6f 91         pop     R22
code:08df 5f 91         pop     R21
code:08e0 4f 91         pop     R20
code:08e1 3f 91         pop     R19
code:08e2 2f 91         pop     R18
code:08e3 0f 90         pop     R0
code:08e4 0b be         out    RAMPZ,R0
code:08e5 0f 90         pop     R0
code:08e6 0f be         out    SREG,R0
code:08e7 0f 90         pop     R0
code:08e8 1f 90         pop     R1
code:08e9 18 95         reti

```

```

*****
*                               FUNCTION                               *
*****

```

```

undefined FUN_code_08ea()
R24:1 <RETURN>
FUN_code_08ea                                XREF [1]:  TIMER2_OVF:0004(T),
                                                TIMER2_OVF:0004(j)

code:08ea 1f 92         push    R1
code:08eb 0f 92         push    R0
code:08ec 0f b6         in     R0,SREG
code:08ed 0f 92         push    R0
code:08ee 11 24         eor    R1,R1
code:08ef 0b b6         in     R0,RAMPZ
code:08f0 0f 92         push    R0
code:08f1 2f 93         push    R18
code:08f2 3f 93         push    R19

```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:08f3 4f 93      push    R20
code:08f4 5f 93      push    R21
code:08f5 6f 93      push    R22
code:08f6 7f 93      push    R23
code:08f7 8f 93      push    R24
code:08f8 9f 93      push    R25
code:08f9 af 93      push    X10
code:08fa bf 93      push    Xhi
code:08fb ef 93      push    Z10
code:08fc ff 93      push    Zhi
code:08fd 80 91 80 07  lds     R24,DAT_mem_0780    = ??
code:08ff 90 91 81 07  lds     R25,DAT_mem_0781    = ??
code:0901 0e 94 bb 04  call    FUN_code_04bb      undefinedFUN_code_04bb()
                                = ??

code:0903 ff 91      pop     Zhi
code:0904 ef 91      pop     Z10
code:0905 bf 91      pop     Xhi
code:0906 af 91      pop     X10
code:0907 9f 91      pop     R25
code:0908 8f 91      pop     R24
code:0909 7f 91      pop     R23
code:090a 6f 91      pop     R22
code:090b 5f 91      pop     R21
code:090c 4f 91      pop     R20
code:090d 3f 91      pop     R19
code:090e 2f 91      pop     R18
code:090f 0f 90      pop     R0
code:0910 0b be      out    RAMPZ,R0
code:0911 0f 90      pop     R0
code:0912 0f be      out    SREG,R0
code:0913 0f 90      pop     R0
code:0914 1f 90      pop     R1
code:0915 18 95      reti

*****
*                               *
*                               *
*****
undefined FUN_code_0916()
R24:1      <RETURN>
FUN_code_0916      XREF[1]:      INT1:0002(T), INT1:0002(j)

code:0916 1f 92      push    R1
code:0917 0f 92      push    R0
code:0918 0f b6      in     R0,SREG
code:0919 0f 92      push    R0
code:091a 11 24      eor    R1,R1
code:091b 0b b6      in     R0,RAMPZ
code:091c 0f 92      push    R0
code:091d 2f 93      push    R18
code:091e 3f 93      push    R19
code:091f 4f 93      push    R20
code:0920 5f 93      push    R21
code:0921 6f 93      push    R22
code:0922 7f 93      push    R23
code:0923 8f 93      push    R24
code:0924 9f 93      push    R25
code:0925 af 93      push    X10
code:0926 bf 93      push    Xhi
code:0927 ef 93      push    Z10
code:0928 ff 93      push    Zhi
code:0929 80 91 7e 07  lds     R24,DAT_mem_077e    = ??
code:092b 90 91 7f 07  lds     R25,DAT_mem_077f    = ??
code:092d 0e 94 bb 04  call    FUN_code_04bb      undefinedFUN_code_04bb()

code:092f ff 91      pop     Zhi
code:0930 ef 91      pop     Z10
code:0931 bf 91      pop     Xhi
code:0932 af 91      pop     X10
code:0933 9f 91      pop     R25
code:0934 8f 91      pop     R24
code:0935 7f 91      pop     R23
code:0936 6f 91      pop     R22
code:0937 5f 91      pop     R21
code:0938 4f 91      pop     R20
code:0939 3f 91      pop     R19
code:093a 2f 91      pop     R18
code:093b 0f 90      pop     R0
code:093c 0b be      out    RAMPZ,R0
code:093d 0f 90      pop     R0
code:093e 0f be      out    SREG,R0
code:093f 0f 90      pop     R0
code:0940 1f 90      pop     R1
code:0941 18 95      reti
code:0942 10      ??      10h
code:0942.1 92      ??      92h
code:0943 53      ??      53h      S
code:0943.1 08      ??      08h
code:0944 10      ??      10h

```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0944.1 92      ??      92h
code:0945 52      ??      52h  R
code:0945.1 08      ??      08h
code:0946 88      ??      88h
code:0946.1 ee      ??      EEh
code:0947 93      ??      93h
code:0947.1 e0      ??      E0h
code:0948 a0      ??      A0h
code:0948.1 e0      ??      E0h
code:0949 b0      ??      B0h
code:0949.1 e0      ??      E0h
code:094a 80      ??      80h
code:094a.1 93      ??      93h
code:094b 54      ??      54h  T
code:094b.1 08      ??      08h
code:094c 90      ??      90h
code:094c.1 93      ??      93h
code:094d 55      ??      55h  U
code:094d.1 08      ??      08h
code:094e a0      ??      A0h
code:094e.1 93      ??      93h
code:094f 56      ??      56h  V
code:094f.1 08      ??      08h
code:0950 b0      ??      B0h
code:0950.1 93      ??      93h
code:0951 57      ??      57h  W
code:0951.1 08      ??      08h
code:0952 86      ??      86h
code:0952.1 e1      ??      E1h
code:0953 93      ??      93h
code:0953.1 e0      ??      E0h
code:0954 90      ??      90h
code:0954.1 93      ??      93h
code:0955 51      ??      51h  Q
code:0955.1 08      ??      08h
code:0956 80      ??      80h
code:0956.1 93      ??      93h
code:0957 50      ??      50h  P
code:0957.1 08      ??      08h
code:0958 85      ??      85h
code:0958.1 ec      ??      ECh
code:0959 90      ??      90h
code:0959.1 e0      ??      E0h
code:095a 90      ??      90h
code:095a.1 93      ??      93h
code:095b 5d      ??      5Dh  J
code:095b.1 08      ??      08h
code:095c 80      ??      80h
code:095c.1 93      ??      93h
code:095d 5c      ??      5Ch  \
code:095d.1 08      ??      08h
code:095e 84      ??      84h
code:095e.1 ec      ??      ECh
code:095f 90      ??      90h
code:095f.1 e0      ??      E0h
code:0960 90      ??      90h
code:0960.1 93      ??      93h
code:0961 5f      ??      5Fh  -
code:0961.1 08      ??      08h
code:0962 80      ??      80h
code:0962.1 93      ??      93h
code:0963 5e      ??      5Eh  ^
code:0963.1 08      ??      08h
code:0964 80      ??      80h
code:0964.1 ec      ??      ECh
code:0965 90      ??      90h
code:0965.1 e0      ??      E0h
code:0966 90      ??      90h
code:0966.1 93      ??      93h
code:0967 61      ??      61h  a
code:0967.1 08      ??      08h
code:0968 80      ??      80h
code:0968.1 93      ??      93h
code:0969 60      ??      60h  `
code:0969.1 08      ??      08h
code:096a 81      ??      81h
code:096a.1 ec      ??      ECh
code:096b 90      ??      90h
code:096b.1 e0      ??      E0h
code:096c 90      ??      90h
code:096c.1 93      ??      93h
code:096d 63      ??      63h  c
code:096d.1 08      ??      08h
code:096e 80      ??      80h
code:096e.1 93      ??      93h
code:096f 62      ??      62h  b

```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:096f.1 08      ??      08h
code:0970 82      ??      82h
code:0970.1 ec      ??      ECh
code:0971 90      ??      90h
code:0971.1 e0      ??      E0h
code:0972 90      ??      90h
code:0972.1 93      ??      93h
code:0973 65      ??      65h      e
code:0973.1 08      ??      08h
code:0974 80      ??      80h
code:0974.1 93      ??      93h
code:0975 64      ??      64h      d
code:0975.1 08      ??      08h
code:0976 86      ??      86h
code:0976.1 ec      ??      ECh
code:0977 90      ??      90h
code:0977.1 e0      ??      E0h
code:0978 90      ??      90h
code:0978.1 93      ??      93h
code:0979 67      ??      67h      g
code:0979.1 08      ??      08h
code:097a 80      ??      80h
code:097a.1 93      ??      93h
code:097b 66      ??      66h      f
code:097b.1 08      ??      08h
code:097c 10      ??      10h
code:097c.1 92      ??      92h
code:097d 69      ??      69h      i
code:097d.1 08      ??      08h
code:097e 10      ??      10h
code:097e.1 92      ??      92h
code:097f 6a      ??      6Ah      j
code:097f.1 08      ??      08h
code:0980 10      ??      10h
code:0980.1 92      ??      92h
code:0981 6b      ??      6Bh      k
code:0981.1 08      ??      08h
code:0982 10      ??      10h
code:0982.1 92      ??      92h
code:0983 6c      ??      6Ch      l
code:0983.1 08      ??      08h
code:0984 ad      ??      ADh
code:0984.1 ee      ??      EEh
code:0985 b8      ??      B8h
code:0985.1 e0      ??      E0h
code:0986 90      ??      90h
code:0986.1 e0      ??      E0h
code:0987 80      ??      80h
code:0987.1 e0      ??      E0h
code:0988 21      ??      21h      !
code:0988.1 e2      ??      E2h
code:0989 e1      ??      E1h
code:0989.1 e0      ??      E0h
code:098a f0      ??      F0h
code:098a.1 e0      ??      E0h
code:098b 86      ??      86h
code:098b.1 30      ??      30h      0
code:098c 91      ??      91h
code:098c.1 05      ??      05h
code:098d 10      ??      10h
code:098d.1 f4      ??      F4h
code:098e f0      ??      F0h
code:098e.1 e0      ??      E0h
code:098f e0      ??      E0h
code:098f.1 e0      ??      E0h
code:0990 ac      ??      ACh
code:0990.1 01      ??      01h
code:0991 42      ??      42h      B
code:0991.1 5f      ??      5Fh      _
code:0992 5f      ??      5Fh      _
code:0992.1 4f      ??      4Fh      O
code:0993 e4      ??      E4h
code:0993.1 0f      ??      0Fh
code:0994 f5      ??      F5h
code:0994.1 1f      ??      1Fh
code:0995 20      ??      20h
code:0995.1 93      ??      93h
code:0996 57      ??      57h      W
code:0996.1 00      ??      00h
code:0997 e4      ??      E4h
code:0997.1 91      ??      91h
code:0998 ed      ??      EDh
code:0998.1 93      ??      93h
code:0999 01      ??      01h
code:0999.1 96      ??      96h
code:099a 89      ??      89h

```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:099a.1 30      ??      30h      0
code:099b 91      ??      91h
code:099b.1 05      ??      05h
code:099c 61      ??      61h      a
code:099c.1 f7      ??      F7h
code:099d 66      ??      66h      f
code:099d.1 e0      ??      E0h
code:099e 8f      ??      8Fh
code:099e.1 e9      ??      E9h
code:099f 9b      ??      9Bh
code:099f.1 e0      ??      E0h
code:09a0 0e      ??      0Eh
code:09a0.1 94      ??      94h
code:09a1 ae      ??      AEh
code:09a1.1 06      ??      06h
code:09a2 67      ??      67h      g
code:09a2.1 e0      ??      E0h
code:09a3 82      ??      82h
code:09a3.1 e9      ??      E9h
code:09a4 9b      ??      9Bh
code:09a4.1 e0      ??      E0h
code:09a5 0e      ??      0Eh
code:09a5.1 94      ??      94h
code:09a6 ae      ??      AEh
code:09a6.1 06      ??      06h
code:09a7 4d      ??      4Dh      M
code:09a7.1 e2      ??      E2h
code:09a8 6c      ??      6Ch      l
code:09a8.1 e2      ??      E2h
code:09a9 82      ??      82h
code:09a9.1 eb      ??      EBh
code:09aa 9a      ??      9Ah
code:09aa.1 e0      ??      E0h
code:09ab 0e      ??      0Eh
code:09ab.1 94      ??      94h
code:09ac 57      ??      57h      W
code:09ac.1 05      ??      05h
code:09ad 87      ??      87h
code:09ad.1 e4      ??      E4h
code:09ae 93      ??      93h
code:09ae.1 e0      ??      E0h
code:09af 90      ??      90h
code:09af.1 93      ??      93h
code:09b0 bf      ??      BFh
code:09b0.1 0a      ??      0Ah
code:09b1 80      ??      80h
code:09b1.1 93      ??      93h
code:09b2 be      ??      BEh
code:09b2.1 0a      ??      0Ah
code:09b3 88      ??      88h
code:09b3.1 e5      ??      E5h
code:09b4 93      ??      93h
code:09b4.1 e0      ??      E0h
code:09b5 90      ??      90h
code:09b5.1 93      ??      93h
code:09b6 c1      ??      C1h
code:09b6.1 0a      ??      0Ah
code:09b7 80      ??      80h
code:09b7.1 93      ??      93h
code:09b8 c0      ??      C0h
code:09b8.1 0a      ??      0Ah
code:09b9 4e      ??      4Eh      N
code:09b9.1 e2      ??      E2h
code:09ba 6f      ??      6Fh      o
code:09ba.1 e2      ??      E2h
code:09bb 82      ??      82h
code:09bb.1 ec      ??      ECb
code:09bc 9a      ??      9Ah
code:09bc.1 e0      ??      E0h
code:09bd 0e      ??      0Eh
code:09bd.1 94      ??      94h
code:09be 57      ??      57h      W
code:09be.1 05      ??      05h
code:09bf 89      ??      89h
code:09bf.1 e6      ??      E6h
code:09c0 93      ??      93h
code:09c0.1 e0      ??      E0h
code:09c1 90      ??      90h
code:09c1.1 93      ??      93h
code:09c2 cf      ??      CFh
code:09c2.1 0a      ??      0Ah
code:09c3 80      ??      80h
code:09c3.1 93      ??      93h
code:09c4 ce      ??      CEh
code:09c4.1 0a      ??      0Ah
code:09c5 8a      ??      8Ah

```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:09c5.1 e7      ??      E7h
code:09c6 93      ??      93h
code:09c6.1 e0     ??      E0h
code:09c7 90      ??      90h
code:09c7.1 93     ??      93h
code:09c8 d1      ??      D1h
code:09c8.1 0a     ??      0Ah
code:09c9 80      ??      80h
code:09c9.1 93     ??      93h
code:09ca d0      ??      D0h
code:09ca.1 0a     ??      0Ah
code:09cb 4a      ??      4Ah    J
code:09cb.1 e2     ??      E2h
code:09cc 6b      ??      6Bh    k
code:09cc.1 e2     ??      E2h
code:09cd 82      ??      82h
code:09cd.1 ed     ??      EDh
code:09ce 9a      ??      9Ah
code:09ce.1 e0     ??      E0h
code:09cf 0e      ??      0Eh
code:09cf.1 94     ??      94h
code:09d0 57      ??      57h    W
code:09d0.1 05     ??      05h
code:09d1 8b      ??      8Bh
code:09d1.1 e8     ??      E8h
code:09d2 93      ??      93h
code:09d2.1 e0     ??      E0h
code:09d3 90      ??      90h
code:09d3.1 93     ??      93h
code:09d4 df      ??      DFh
code:09d4.1 0a     ??      0Ah
code:09d5 80      ??      80h
code:09d5.1 93     ??      93h
code:09d6 de      ??      DEh
code:09d6.1 0a     ??      0Ah
code:09d7 8c      ??      8Ch
code:09d7.1 e9     ??      E9h
code:09d8 93      ??      93h
code:09d8.1 e0     ??      E0h
code:09d9 90      ??      90h
code:09d9.1 93     ??      93h
code:09da e1      ??      E1h
code:09da.1 0a     ??      0Ah
code:09db 80      ??      80h
code:09db.1 93     ??      93h
code:09dc e0      ??      E0h
code:09dc.1 0a     ??      0Ah
code:09dd 49      ??      49h    I
code:09dd.1 e2     ??      E2h
code:09de 68      ??      68h    h
code:09de.1 e2     ??      E2h
code:09df 82      ??      82h
code:09df.1 ee     ??      EEh
code:09e0 9a      ??      9Ah
code:09e0.1 e0     ??      E0h
code:09e1 0e      ??      0Eh
code:09e1.1 94     ??      94h
code:09e2 57      ??      57h    W
code:09e2.1 05     ??      05h
code:09e3 8d      ??      8Dh
code:09e3.1 ea     ??      EAh
code:09e4 93      ??      93h
code:09e4.1 e0     ??      E0h
code:09e5 90      ??      90h
code:09e5.1 93     ??      93h
code:09e6 ef      ??      EFh
code:09e6.1 0a     ??      0Ah
code:09e7 80      ??      80h
code:09e7.1 93     ??      93h
code:09e8 ee     ??      EEh
code:09e8.1 0a     ??      0Ah
code:09e9 8e      ??      8Eh
code:09e9.1 eb     ??      EBh
code:09ea 93      ??      93h
code:09ea.1 e0     ??      E0h
code:09eb 90      ??      90h
code:09eb.1 93     ??      93h
code:09ec f1      ??      F1h
code:09ec.1 0a     ??      0Ah
code:09ed 80      ??      80h
code:09ed.1 93     ??      93h
code:09ee f0      ??      F0h
code:09ee.1 0a     ??      0Ah
code:09ef 40      ??      40h    @
code:09ef.1 e3     ??      E3h
code:09f0 61      ??      61h    a

```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:09f0.1 e3      ??      E3h
code:09f1 82      ??      82h
code:09f1.1 ef     ??      EFh
code:09f2 9a      ??      9Ah
code:09f2.1 e0     ??      E0h
code:09f3 0e      ??      0Eh
code:09f3.1 94     ??      94h
code:09f4 57      ??      57h      W
code:09f4.1 05     ??      05h
code:09f5 8f      ??      8Fh
code:09f5.1 ec     ??      ECh
code:09f6 93      ??      93h
code:09f6.1 e0     ??      E0h
code:09f7 90      ??      90h
code:09f7.1 93     ??      93h
code:09f8 ff      ??      FFh
code:09f8.1 0a     ??      0Ah
code:09f9 80      ??      80h
code:09f9.1 93     ??      93h
code:09fa fe      ??      FEh
code:09fa.1 0a     ??      0Ah
code:09fb 8a      ??      8Ah
code:09fb.1 ed     ??      EDh
code:09fc 93      ??      93h
code:09fc.1 e0     ??      E0h
code:09fd 90      ??      90h
code:09fd.1 93     ??      93h
code:09fe 01      ??      01h
code:09fe.1 0b     ??      0Bh
code:09ff 80      ??      80h
code:09ff.1 93     ??      93h
code:0a00 00      ??      00h
code:0a00.1 0b     ??      0Bh
code:0a01 4f      ??      4Fh      O
code:0a01.1 e1     ??      E1h
code:0a02 6e      ??      6Eh      n
code:0a02.1 e1     ??      E1h
code:0a03 82      ??      82h
code:0a03.1 e0     ??      E0h
code:0a04 9b      ??      9Bh
code:0a04.1 e0     ??      E0h
code:0a05 0e      ??      0Eh
code:0a05.1 94     ??      94h
code:0a06 57      ??      57h      W
code:0a06.1 05     ??      05h
code:0a07 85      ??      85h
code:0a07.1 ee     ??      EEh
code:0a08 93      ??      93h
code:0a08.1 e0     ??      E0h
code:0a09 90      ??      90h
code:0a09.1 93     ??      93h
code:0a0a 0f      ??      0Fh
code:0a0a.1 0b     ??      0Bh
code:0a0b 80      ??      80h
code:0a0b.1 93     ??      93h
code:0a0c 0e      ??      0Eh
code:0a0c.1 0b     ??      0Bh
code:0a0d 82      ??      82h
code:0a0d.1 ef     ??      EFh
code:0a0e 93      ??      93h
code:0a0e.1 e0     ??      E0h
code:0a0f 90      ??      90h
code:0a0f.1 93     ??      93h
code:0a10 11      ??      11h
code:0a10.1 0b     ??      0Bh
code:0a11 80      ??      80h
code:0a11.1 93     ??      93h
code:0a12 10      ??      10h
code:0a12.1 0b     ??      0Bh
code:0a13 45      ??      45h      E
code:0a13.1 e2     ??      E2h
code:0a14 64      ??      64h      d
code:0a14.1 e2     ??      E2h
code:0a15 82      ??      82h
code:0a15.1 e1     ??      E1h
code:0a16 9b      ??      9Bh
code:0a16.1 e0     ??      E0h
code:0a17 0e      ??      0Eh
code:0a17.1 94     ??      94h
code:0a18 57      ??      57h      W
code:0a18.1 05     ??      05h
code:0a19 8f      ??      8Fh
code:0a19.1 ef     ??      EFh
code:0a1a 93      ??      93h
code:0a1a.1 e0     ??      E0h
code:0a1b 90      ??      90h

```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0a1b.1 93      ??      93h
code:0a1c 1f      ??      1Fh
code:0a1c.1 0b     ??      0Bh
code:0a1d 80      ??      80h
code:0a1d.1 93     ??      93h
code:0a1e 1e      ??      1Eh
code:0a1e.1 0b     ??      0Bh
code:0a1f 80      ??      80h
code:0a1f.1 e1     ??      E1h
code:0a20 94      ??      94h
code:0a20.1 e0     ??      E0h
code:0a21 90      ??      90h
code:0a21.1 93     ??      93h
code:0a22 21      ??      21h      !
code:0a22.1 0b     ??      0Bh
code:0a23 80      ??      80h
code:0a23.1 93     ??      93h
code:0a24 20      ??      20h
code:0a24.1 0b     ??      0Bh
code:0a25 46      ??      46h      F
code:0a25.1 e2     ??      E2h
code:0a26 67      ??      67h      g
code:0a26.1 e2     ??      E2h
code:0a27 82      ??      82h
code:0a27.1 e2     ??      E2h
code:0a28 9b      ??      9Bh
code:0a28.1 e0     ??      E0h
code:0a29 0e      ??      0Eh
code:0a29.1 94     ??      94h
code:0a2a 57      ??      57h      W
code:0a2a.1 05     ??      05h
code:0a2b 81      ??      81h
code:0a2b.1 e2     ??      E2h
code:0a2c 94      ??      94h
code:0a2c.1 e0     ??      E0h
code:0a2d 90      ??      90h
code:0a2d.1 93     ??      93h
code:0a2e 2f      ??      2Fh      /
code:0a2e.1 0b     ??      0Bh
code:0a2f 80      ??      80h
code:0a2f.1 93     ??      93h
code:0a30 2e      ??      2Eh      .
code:0a30.1 0b     ??      0Bh
code:0a31 82      ??      82h
code:0a31.1 e3     ??      E3h
code:0a32 94      ??      94h
code:0a32.1 e0     ??      E0h
code:0a33 90      ??      90h
code:0a33.1 93     ??      93h
code:0a34 31      ??      31h      1
code:0a34.1 0b     ??      0Bh
code:0a35 80      ??      80h
code:0a35.1 93     ??      93h
code:0a36 30      ??      30h      0
code:0a36.1 0b     ??      0Bh
code:0a37 43      ??      43h      C
code:0a37.1 e2     ??      E2h
code:0a38 62      ??      62h      b
code:0a38.1 e2     ??      E2h
code:0a39 82      ??      82h
code:0a39.1 e3     ??      E3h
code:0a3a 9b      ??      9Bh
code:0a3a.1 e0     ??      E0h
code:0a3b 0e      ??      0Eh
code:0a3b.1 94     ??      94h
code:0a3c 57      ??      57h      W
code:0a3c.1 05     ??      05h
code:0a3d 83      ??      83h
code:0a3d.1 e4     ??      E4h
code:0a3e 94      ??      94h
code:0a3e.1 e0     ??      E0h
code:0a3f 90      ??      90h
code:0a3f.1 93     ??      93h
code:0a40 3f      ??      3Fh      ?
code:0a40.1 0b     ??      0Bh
code:0a41 80      ??      80h
code:0a41.1 93     ??      93h
code:0a42 3e      ??      3Eh      >
code:0a42.1 0b     ??      0Bh
code:0a43 8e      ??      8Eh
code:0a43.1 e4     ??      E4h
code:0a44 94      ??      94h
code:0a44.1 e0     ??      E0h
code:0a45 90      ??      90h
code:0a45.1 93     ??      93h
code:0a46 41      ??      41h      A

```


Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0a46.1 0b    ??    0Bh
code:0a47 80    ??    80h
code:0a47.1 93    ??    93h
code:0a48 40    ??    40h  @
code:0a48.1 0b    ??    0Bh
code:0a49 41    ??    41h  A
code:0a49.1 e2    ??    E2h
code:0a4a 60    ??    60h  `
code:0a4a.1 e2    ??    E2h
code:0a4b 82    ??    82h
code:0a4b.1 e4    ??    E4h
code:0a4c 9b    ??    9Bh
code:0a4c.1 e0    ??    E0h
code:0a4d 0e    ??    0Eh
code:0a4d.1 94    ??    94h
code:0a4e 57    ??    57h  W
code:0a4e.1 05    ??    05h
code:0a4f 89    ??    89h
code:0a4f.1 e5    ??    E5h
code:0a50 94    ??    94h
code:0a50.1 e0    ??    E0h
code:0a51 90    ??    90h
code:0a51.1 93    ??    93h
code:0a52 4f    ??    4Fh  O
code:0a52.1 0b    ??    0Bh
code:0a53 80    ??    80h
code:0a53.1 93    ??    93h
code:0a54 4e    ??    4Eh  N
code:0a54.1 0b    ??    0Bh
code:0a55 85    ??    85h
code:0a55.1 e6    ??    E6h
code:0a56 94    ??    94h
code:0a56.1 e0    ??    E0h
code:0a57 90    ??    90h
code:0a57.1 93    ??    93h
code:0a58 51    ??    51h  Q
code:0a58.1 0b    ??    0Bh
code:0a59 80    ??    80h
code:0a59.1 93    ??    93h
code:0a5a 50    ??    50h  P
code:0a5a.1 0b    ??    0Bh
code:0a5b 48    ??    48h  H
code:0a5b.1 e1    ??    E1h
code:0a5c 69    ??    69h  i
code:0a5c.1 e1    ??    E1h
code:0a5d 82    ??    82h
code:0a5d.1 e5    ??    E5h
code:0a5e 9b    ??    9Bh
code:0a5e.1 e0    ??    E0h
code:0a5f 0e    ??    0Eh
code:0a5f.1 94    ??    94h
code:0a60 57    ??    57h  W
code:0a60.1 05    ??    05h
code:0a61 81    ??    81h
code:0a61.1 e7    ??    E7h
code:0a62 94    ??    94h
code:0a62.1 e0    ??    E0h
code:0a63 90    ??    90h
code:0a63.1 93    ??    93h
code:0a64 5f    ??    5Fh  _
code:0a64.1 0b    ??    0Bh
code:0a65 80    ??    80h
code:0a65.1 93    ??    93h
code:0a66 5e    ??    5Eh  ^
code:0a66.1 0b    ??    0Bh
code:0a67 82    ??    82h
code:0a67.1 e8    ??    E8h
code:0a68 94    ??    94h
code:0a68.1 e0    ??    E0h
code:0a69 90    ??    90h
code:0a69.1 93    ??    93h
code:0a6a 61    ??    61h  a
code:0a6a.1 0b    ??    0Bh
code:0a6b 80    ??    80h
code:0a6b.1 93    ??    93h
code:0a6c 60    ??    60h  `
code:0a6c.1 0b    ??    0Bh
code:0a6d 47    ??    47h  G
code:0a6d.1 e1    ??    E1h
code:0a6e 66    ??    66h  f
code:0a6e.1 e1    ??    E1h
code:0a6f 82    ??    82h
code:0a6f.1 e6    ??    E6h
code:0a70 9b    ??    9Bh
code:0a70.1 e0    ??    E0h
code:0a71 0e    ??    0Eh

```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0a71.1 94      ??      94h
code:0a72 57      ??      57h  W
code:0a72.1 05      ??      05h
code:0a73 83      ??      83h
code:0a73.1 e9      ??      E9h
code:0a74 94      ??      94h
code:0a74.1 e0      ??      E0h
code:0a75 90      ??      90h
code:0a75.1 93      ??      93h
code:0a76 6f      ??      6Fh  o
code:0a76.1 0b      ??      0Bh
code:0a77 80      ??      80h
code:0a77.1 93      ??      93h
code:0a78 6e      ??      6Eh  n
code:0a78.1 0b      ??      0Bh
code:0a79 84      ??      84h
code:0a79.1 ea      ??      EAh
code:0a7a 94      ??      94h
code:0a7a.1 e0      ??      E0h
code:0a7b 90      ??      90h
code:0a7b.1 93      ??      93h
code:0a7c 71      ??      71h  q
code:0a7c.1 0b      ??      0Bh
code:0a7d 80      ??      80h
code:0a7d.1 93      ??      93h
code:0a7e 70      ??      70h  p
code:0a7e.1 0b      ??      0Bh
code:0a7f 43      ??      43h  C
code:0a7f.1 e3      ??      E3h
code:0a80 62      ??      62h  b
code:0a80.1 e3      ??      E3h
code:0a81 82      ??      82h
code:0a81.1 e7      ??      E7h
code:0a82 9b      ??      9Bh
code:0a82.1 e0      ??      E0h
code:0a83 0e      ??      0Eh
code:0a83.1 94      ??      94h
code:0a84 57      ??      57h  W
code:0a84.1 05      ??      05h
code:0a85 85      ??      85h
code:0a85.1 eb      ??      EBh
code:0a86 94      ??      94h
code:0a86.1 e0      ??      E0h
code:0a87 90      ??      90h
code:0a87.1 93      ??      93h
code:0a88 7f      ??      7Fh
code:0a88.1 0b      ??      0Bh
code:0a89 80      ??      80h
code:0a89.1 93      ??      93h
code:0a8a 7e      ??      7Eh  ~
code:0a8a.1 0b      ??      0Bh
code:0a8b 84      ??      84h
code:0a8b.1 ec      ??      ECh
code:0a8c 94      ??      94h
code:0a8c.1 e0      ??      E0h
code:0a8d 90      ??      90h
code:0a8d.1 93      ??      93h
code:0a8e 81      ??      81h
code:0a8e.1 0b      ??      0Bh
code:0a8f 80      ??      80h
code:0a8f.1 93      ??      93h
code:0a90 80      ??      80h
code:0a90.1 0b      ??      0Bh
code:0a91 45      ??      45h  E
code:0a91.1 e3      ??      E3h
code:0a92 64      ??      64h  d
code:0a92.1 e3      ??      E3h
code:0a93 82      ??      82h
code:0a93.1 e8      ??      E8h
code:0a94 9b      ??      9Bh
code:0a94.1 e0      ??      E0h
code:0a95 0e      ??      0Eh
code:0a95.1 94      ??      94h
code:0a96 57      ??      57h  W
code:0a96.1 05      ??      05h
code:0a97 83      ??      83h
code:0a97.1 ed      ??      EDh
code:0a98 94      ??      94h
code:0a98.1 e0      ??      E0h
code:0a99 90      ??      90h
code:0a99.1 93      ??      93h
code:0a9a 8f      ??      8Fh
code:0a9a.1 0b      ??      0Bh
code:0a9b 80      ??      80h
code:0a9b.1 93      ??      93h
code:0a9c 8e      ??      8Eh

```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0a9c.1 0b    ??    0Bh
code:0a9d 82    ??    82h
code:0a9d.1 ee    ??    EEh
code:0a9e 94    ??    94h
code:0a9e.1 e0    ??    E0h
code:0a9f 90    ??    90h
code:0a9f.1 93    ??    93h
code:0aa0 91    ??    91h
code:0aa0.1 0b    ??    0Bh
code:0aa1 80    ??    80h
code:0aa1.1 93    ??    93h
code:0aa2 90    ??    90h
code:0aa2.1 0b    ??    0Bh
code:0aa3 e2    ??    E2h
code:0aa3.1 e0    ??    E0h
code:0aa4 f9    ??    F9h
code:0aa4.1 e0    ??    E0h
code:0aa5 82    ??    82h
code:0aa5.1 eb    ??    EBh
code:0aa6 9a    ??    9Ah
code:0aa6.1 e0    ??    E0h
code:0aa7 4a    ??    4Ah    J
code:0aa7.1 e0    ??    E0h
code:0aa8 50    ??    50h    P
code:0aa8.1 e0    ??    E0h
code:0aa9 2e    ??    2Eh    .
code:0aa9.1 e2    ??    E2h
code:0aaa 33    ??    33h    3
code:0aaa.1 e0    ??    E0h
code:0aab 12    ??    12h
code:0aab.1 82    ??    82h
code:0aac 13    ??    13h
code:0aac.1 82    ??    82h
code:0aad 14    ??    14h
code:0aad.1 82    ??    82h
code:0aae 15    ??    15h
code:0aae.1 82    ??    82h
code:0aaf 57    ??    57h    W
code:0aaf.1 83    ??    83h
code:0ab0 46    ??    46h    F
code:0ab0.1 83    ??    83h
code:0ab1 10    ??    10h
code:0ab1.1 86    ??    86h
code:0ab2 31    ??    31h    1
code:0ab2.1 83    ??    83h
code:0ab3 20    ??    20h
code:0ab3.1 83    ??    83h
code:0ab4 11    ??    11h
code:0ab4.1 8a    ??    8Ah
code:0ab5 72    ??    72h    r
code:0ab5.1 96    ??    96h
code:0ab6 8e    ??    8Eh
code:0ab6.1 17    ??    17h
code:0ab7 9f    ??    9Fh
code:0ab7.1 07    ??    07h
code:0ab8 91    ??    91h
code:0ab8.1 f7    ??    F7h
code:0ab9 10    ??    10h
code:0ab9.1 92    ??    92h
code:0aba fd    ??    FDh
code:0aba.1 08    ??    08h
code:0abb 10    ??    10h
code:0abb.1 92    ??    92h
code:0abc fc    ??    FCh
code:0abc.1 08    ??    08h
code:0abd 10    ??    10h
code:0abd.1 92    ??    92h
code:0abe ff    ??    FFh
code:0abe.1 08    ??    08h
code:0abf 10    ??    10h
code:0abf.1 92    ??    92h
code:0ac0 fe    ??    FEh
code:0ac0.1 08    ??    08h
code:0ac1 10    ??    10h
code:0ac1.1 92    ??    92h
code:0ac2 01    ??    01h
code:0ac2.1 09    ??    09h
code:0ac3 10    ??    10h
code:0ac3.1 92    ??    92h
code:0ac4 00    ??    00h
code:0ac4.1 09    ??    09h
code:0ac5 50    ??    50h    P
code:0ac5.1 e0    ??    E0h
code:0ac6 40    ??    40h    @
code:0ac6.1 e0    ??    E0h
code:0ac7 61    ??    61h    a

```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0ac7.1 e1      ??      E1h
code:0ac8 75      ??      75h  u
code:0ac8.1 e0     ??      E0h
code:0ac9 8c      ??      8Ch
code:0ac9.1 ef     ??      EFh
code:0aca 98      ??      98h
code:0aca.1 e0     ??      E0h
code:0acb 0e      ??      0Eh
code:0acb.1 94     ??      94h
code:0acc 50      ??      50h  P
code:0acc.1 07     ??      07h
code:0acd 10      ??      10h
code:0acd.1 92     ??      92h
code:0ace f7      ??      F7h
code:0ace.1 08     ??      08h
code:0acf 10      ??      10h
code:0acf.1 92     ??      92h
code:0ad0 f6      ??      F6h
code:0ad0.1 08     ??      08h
code:0ad1 10      ??      10h
code:0ad1.1 92     ??      92h
code:0ad2 f9      ??      F9h
code:0ad2.1 08     ??      08h
code:0ad3 10      ??      10h
code:0ad3.1 92     ??      92h
code:0ad4 f8      ??      F8h
code:0ad4.1 08     ??      08h
code:0ad5 10      ??      10h
code:0ad5.1 92     ??      92h
code:0ad6 fb      ??      FBh
code:0ad6.1 08     ??      08h
code:0ad7 10      ??      10h
code:0ad7.1 92     ??      92h
code:0ad8 fa      ??      FAh
code:0ad8.1 08     ??      08h
code:0ad9 4d      ??      4Dh  M
code:0ad9.1 e0     ??      E0h
code:0ada 50      ??      50h  P
code:0ada.1 e0     ??      E0h
code:0adb 61      ??      61h  a
code:0adb.1 ef     ??      EFh
code:0adc 74      ??      74h  t
code:0adc.1 e0     ??      E0h
code:0add 86      ??      86h
code:0add.1 ef     ??      EFh
code:0ade 98      ??      98h
code:0ade.1 e0     ??      E0h
code:0adf 0c      ??      0Ch
code:0adf.1 94     ??      94h
code:0ae0 50      ??      50h  P
code:0ae0.1 07     ??      07h

*****
*                               *
*                               *
*****
undefined FUN_code_0a1()
R24:l <RETURN>
FUN_code_0a1 XREF [1]: FUN_code_017c:01a9(c)
code:0ae1 cf 93      push    Ylo
code:0ae2 df 93      push    Yhi
code:0ae3 cd b7      in      Ylo,SPL
code:0ae4 de b7      in      Yhi,SPH
code:0ae5 60 97      sbiw   Y,0x10
code:0ae6 0f b6      in      R0,SREG
code:0ae7 f8 94      cli
code:0ae8 de bf      out    SPH,Yhi
code:0ae9 0f be      out    SREG,R0
code:0aea cd bf      out    SPL,Ylo
code:0aeb 78 94      bset   Iflg
code:0aec 84 b5      in     R24,TCNT2 = ??
code:0aed 82 60      ori    R24,0x2
code:0aee 84 bd      out    TCNT2,R24 = ??
code:0aef 84 b5      in     R24,TCNT2 = ??
code:0af0 81 60      ori    R24,0x1
code:0af1 84 bd      out    TCNT2,R24 = ??
code:0af2 85 b5      in     R24,TCCR2 = ??
code:0af3 82 60      ori    R24,0x2
code:0af4 85 bd      out    TCCR2,R24 = ??
code:0af5 85 b5      in     R24,TCCR2 = ??
code:0af6 81 60      ori    R24,0x1
code:0af7 85 bd      out    TCCR2,R24 = ??
code:0af8 80 91 6e 00 lds    R24,DAT_mem_006e = ??
code:0afa 81 60      ori    R24,0x1
code:0afb 80 93 6e 00 sts    DAT_mem_006e,R24 = ??
code:0afd 10 92 81 00 sts    ICR3H,R1 = ??
code:0aff 80 91 81 00 lds    R24,ICR3H = ??

```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0b01 82 60      ori      R24,0x2
code:0b02 80 93 81 00 sts      ICR3H,R24      = ??
code:0b04 80 91 81 00 lds      R24,ICR3H      = ??
code:0b06 81 60      ori      R24,0x1
code:0b07 80 93 81 00 sts      ICR3H,R24      = ??
code:0b09 80 91 80 00 lds      R24,ICR3L      = ??
code:0b0b 81 60      ori      R24,0x1
code:0b0c 80 93 80 00 sts      ICR3L,R24      = ??
code:0b0e 80 91 b1 00 lds      R24,DAT_mem_00b1 = ??
code:0b10 84 60      ori      R24,0x4
code:0b11 80 93 b1 00 sts      DAT_mem_00b1,R24 = ??
code:0b13 80 91 b0 00 lds      R24,DAT_mem_00b0 = ??
code:0b15 81 60      ori      R24,0x1
code:0b16 80 93 b0 00 sts      DAT_mem_00b0,R24 = ??
code:0b18 80 91 91 00 lds      R24,DAT_mem_0091 = ??
code:0b1a 82 60      ori      R24,0x2
code:0b1b 80 93 91 00 sts      DAT_mem_0091,R24 = ??
code:0b1d 80 91 91 00 lds      R24,DAT_mem_0091 = ??
code:0b1f 81 60      ori      R24,0x1
code:0b20 80 93 91 00 sts      DAT_mem_0091,R24 = ??
code:0b22 80 91 90 00 lds      R24,UBRR0H      = ??
code:0b24 81 60      ori      R24,0x1
code:0b25 80 93 90 00 sts      UBRR0H,R24      = ??
code:0b27 80 91 a1 00 lds      R24,DAT_mem_00a1 = ??
code:0b29 82 60      ori      R24,0x2
code:0b2a 80 93 a1 00 sts      DAT_mem_00a1,R24 = ??
code:0b2c 80 91 a1 00 lds      R24,DAT_mem_00a1 = ??
code:0b2e 81 60      ori      R24,0x1
code:0b2f 80 93 a1 00 sts      DAT_mem_00a1,R24 = ??
code:0b31 80 91 a0 00 lds      R24,DAT_mem_00a0 = ??
code:0b33 81 60      ori      R24,0x1
code:0b34 80 93 a0 00 sts      DAT_mem_00a0,R24 = ??
code:0b36 80 91 21 01 lds      R24,DAT_mem_0121 = ??
code:0b38 82 60      ori      R24,0x2
code:0b39 80 93 21 01 sts      DAT_mem_0121,R24 = ??
code:0b3b 80 91 21 01 lds      R24,DAT_mem_0121 = ??
code:0b3d 81 60      ori      R24,0x1
code:0b3e 80 93 21 01 sts      DAT_mem_0121,R24 = ??
code:0b40 80 91 20 01 lds      R24,DAT_mem_0120 = ??
code:0b42 81 60      ori      R24,0x1
code:0b43 80 93 20 01 sts      DAT_mem_0120,R24 = ??
code:0b45 80 91 7a 00 lds      R24,TCCR1C      = ??
code:0b47 84 60      ori      R24,0x4
code:0b48 80 93 7a 00 sts      TCCR1C,R24      = ??
code:0b4a 80 91 7a 00 lds      R24,TCCR1C      = ??
code:0b4c 82 60      ori      R24,0x2
code:0b4d 80 93 7a 00 sts      TCCR1C,R24      = ??
code:0b4f 80 91 7a 00 lds      R24,TCCR1C      = ??
code:0b51 81 60      ori      R24,0x1
code:0b52 80 93 7a 00 sts      TCCR1C,R24      = ??
code:0b54 80 91 7a 00 lds      R24,TCCR1C      = ??
code:0b56 80 68      ori      R24,0x80
code:0b57 80 93 7a 00 sts      TCCR1C,R24      = ??
code:0b59 10 92 c1 00 sts      DAT_mem_00c1,R1    = ??
code:0b5b e0 91 60 08 lds      Z10,DAT_mem_0860 = ??
code:0b5d f0 91 61 08 lds      Zhi,DAT_mem_0861 = ??
code:0b5f 82 e0      ldi      R24,0x2
code:0b60 80 83      st       Z,R24
code:0b61 e0 91 5c 08 lds      Z10,DAT_mem_085c = ??
code:0b63 f0 91 5d 08 lds      Zhi,DAT_mem_085d = ??
code:0b65 10 82      st       Z,R1
code:0b66 e0 91 5e 08 lds      Z10,DAT_mem_085e = ??
code:0b68 f0 91 5f 08 lds      Zhi,DAT_mem_085f = ??
code:0b6a 80 e1      ldi      R24,0x10
code:0b6b 80 83      st       Z,R24
code:0b6c 10 92 68 08 sts      DAT_mem_0868,R1    = ??
code:0b6e e0 91 64 08 lds      Z10,DAT_mem_0864 = ??
code:0b70 f0 91 65 08 lds      Zhi,DAT_mem_0865 = ??
code:0b72 86 e0      ldi      R24,0x6
code:0b73 80 83      st       Z,R24
code:0b74 e0 91 62 08 lds      Z10,DAT_mem_0862 = ??
code:0b76 f0 91 63 08 lds      Zhi,DAT_mem_0863 = ??
code:0b78 80 81      ld       R24,Z
code:0b79 80 61      ori      R24,0x10
code:0b7a 80 83      st       Z,R24
code:0b7b e0 91 62 08 lds      Z10,DAT_mem_0862 = ??
code:0b7d f0 91 63 08 lds      Zhi,DAT_mem_0863 = ??
code:0b7f 80 81      ld       R24,Z
code:0b80 88 60      ori      R24,0x8
code:0b81 80 83      st       Z,R24
code:0b82 e0 91 62 08 lds      Z10,DAT_mem_0862 = ??
code:0b84 f0 91 63 08 lds      Zhi,DAT_mem_0863 = ??
code:0b86 80 81      ld       R24,Z
code:0b87 80 68      ori      R24,0x80
code:0b88 80 83      st       Z,R24
code:0b89 e0 91 62 08 lds      Z10,DAT_mem_0862 = ??

```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0b8b f0 91 63 08 lds      Zhi,DAT_mem_0863          = ??
code:0b8d 80 81      ld        R24,Z
code:0b8e 8f 7d      andi     R24,0xdf
code:0b8f 80 83      st       Z,R24
code:0b90 82 e3      ldi     R24,0x32
code:0b91 90 e0      ldi     R25,0x0
code:0b92 a0 e0      ldi     Xlo,0x0
code:0b93 b0 e0      ldi     Xhi,0x0
code:0b94 80 93 54 08 sts     DAT_mem_0854,R24          = ??
code:0b96 90 93 55 08 sts     DAT_mem_0855,R25          = ??
code:0b98 a0 93 56 08 sts     DAT_mem_0856,Xlo          = ??
code:0b9a b0 93 57 08 sts     DAT_mem_0857,Xhi          = ??
code:0b9c 68 ee      ldi     R22,0xe8
code:0b9d 73 e0      ldi     R23,0x3
code:0b9e 80 e0      ldi     R24,0x0
code:0b9f 90 e0      ldi     R25,0x0
code:0ba0 0e 94 f6 03 call    FUN_code_03f6          undefined FUN_code_03f6 ()
code:0ba2 3e ee      ldi     R19,0xee
code:0ba3 c3 2e      mov     R12,R19
code:0ba4 38 e0      ldi     R19,0x8
code:0ba5 d3 2e      mov     R13,R19
code:0ba6 8e 01      movw   R17R16,Y
code:0ba7 0f 5f      subi   R16,0xff
code:0ba8 1f 4f      sbci   R17,0xff

LAB_code_0ba9                                XREF [1]:  code:0bfe(j)
code:0ba9 d6 01      movw   X,R13R12
code:0baa 8d 91      ld     R24,X+=>DAT_mem_08ee    = ??
code:0bab 6d 01      movw   R13R12,X
code:0bac 1b 86      std   Y+0xb,R1
code:0bad 1a 86      std   Y+0xa,R1
code:0bae 1d 86      std   Y+0xd,R1
code:0baf 1c 86      std   Y+0xc,R1
code:0bb0 1f 86      std   Y+0xf,R1
code:0bb1 1e 86      std   Y+0xe,R1
code:0bb2 40 e1      ldi   R20,0x10
code:0bb3 b8 01      movw   R23R22,R17R16
code:0bb4 90 e0      ldi   R25,0x0
code:0bb5 0e 94 cd 0f call    FUN_code_0fcd          undefined FUN_code_0fcd ()
code:0bb7 f8 01      movw   Z,R17R16

LAB_code_0bb8                                XREF [1]:  code:0bba(j)
code:0bb8 01 90      ld     R0,Z+
code:0bb9 00 20      and   R0,R0
code:0bba e9 f7      brbc  LAB_code_0bb8,Zflg
code:0bbb 31 97      sbiw  Z,0x1
code:0bbc af 01      movw   R21R20,Z
code:0bbd 40 1b      sub   R20,R16
code:0bbe 51 0b      sbc   R21,R17
code:0bbf b8 01      movw   R23R22,R17R16
code:0bc0 ce 01      movw   R25R24,Y
code:0bc1 0a 96      adiw  R25R24,0xa
code:0bc2 0e 94 50 07 call    FUN_code_0750          undefined FUN_code_0750 ()
code:0bc4 1a 82      std   Y+0x2,R1
code:0bc5 19 82      std   Y+0x1,R1
code:0bc6 1c 82      std   Y+0x4,R1
code:0bc7 1b 82      std   Y+0x3,R1
code:0bc8 1e 82      std   Y+0x6,R1
code:0bc9 1d 82      std   Y+0x5,R1
code:0bca 6c ef      ldi   R22,0xfc
code:0bcb 78 e0      ldi   R23,0x8
code:0bcc c8 01      movw   R25R24,R17R16
code:0bcd 0e 94 71 07 call    FUN_code_0771          undefined FUN_code_0771 ()
code:0bcf 8e 85      ldd   R24,Y+0xe
code:0bd0 9f 85      ldd   R25,Y+0xf
code:0bd1 aa 84      ldd   R10,Y+0xa
code:0bd2 bb 84      ldd   R11,Y+0xb
code:0bd3 ed 80      ldd   R14,Y+0x5
code:0bd4 fe 80      ldd   R15,Y+0x6
code:0bd5 e8 0e      add   R14,R24
code:0bd6 f9 1e      adc   R15,R25
code:0bd7 a1 14      cp    R10,R1
code:0bd8 b1 04      cpc   R11,R1
code:0bd9 c9 f1      brbs  LAB_code_0c13,Zflg
code:0bda 89 2b      or    R24,R25
code:0bdb 89 f0      brbs  LAB_code_0bed,Zflg
code:0bdc b7 01      movw   R23R22,R15R14
code:0bdd c8 01      movw   R25R24,R17R16
code:0bde 0e 94 16 07 call    FUN_code_0716          undefined FUN_code_0716 ()
code:0be0 88 23      and   R24,R24
code:0be1 89 f1      brbs  LAB_code_0c13,Zflg
code:0be2 29 81      ldd   R18,Y+0x1
code:0be3 3a 81      ldd   R19,Y+0x2
code:0be4 8d 81      ldd   R24,Y+0x5
code:0be5 9e 81      ldd   R25,Y+0x6
code:0be6 b5 01      movw   R23R22,R11R10

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GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0be7 82 0f      add      R24,R18
code:0be8 93 1f      adc      R25,R19
code:0be9 0e 94 5c 12 call     FUN_code_125c      undefinedFUN_code_125c()
code:0beb fe 82      std      Y+0x6,R15
code:0bec ed 82      std      Y+0x5,R14

LAB_code_0bed
code:0bed b8 01      movw    R23R22,R17R16
code:0bee 8c ef      ldi     R24,0xfc
code:0bef 98 e0      ldi     R25,0x8
code:0bf0 0e 94 71 07 call     FUN_code_0771      undefinedFUN_code_0771()
code:0bf2 c8 01      movw    R25R24,R17R16
code:0bf3 0e 94 88 07 call     FUN_code_0788      undefinedFUN_code_0788()
code:0bf5 ce 01      movw    R25R24,Y
code:0bf6 0a 96      adiw    R25R24,0xa
code:0bf7 0e 94 88 07 call     FUN_code_0788      undefinedFUN_code_0788()
code:0bf9 b6 ef      ldi     Xhi,0xf6
code:0bfa cb 16      cp      R12,Xhi
code:0bfb b8 e0      ldi     Xhi,0x8
code:0bfc db 06      cpc     R13,Xhi
code:0bfd 09 f0      brbs    LAB_code_0bff,Zflg
code:0bfe aa cf      rjmp    LAB_code_0ba9

LAB_code_0bff
code:0bff 00 91 fc 08 lds     R16,DAT_mem_08fc
code:0c01 10 91 fd 08 lds     R17,DAT_mem_08fd
code:0c03 01 15      cp      R16,R1
code:0c04 11 05      cpc     R17,R1
code:0c05 89 f0      brbs    LAB_code_0c17,Zflg

LAB_code_0c06
code:0c06 f8 01      movw    Z,R17R16
code:0c07 80 81      ld      R24,Z
code:0c08 88 23      and     R24,R24
code:0c09 69 f0      brbs    LAB_code_0c17,Zflg
code:0c0a 08 2e      mov     R0,R24
code:0c0b 00 0c      add     R0,R0
code:0c0c 99 0b      sbc     R25,R25
code:0c0d 0e 94 4b 12 call     FUN_code_124b      undefinedFUN_code_124b()
code:0c0f d8 01      movw    X,R17R16
code:0c10 8d 93      st      X+,R24
code:0c11 8d 01      movw    R17R16,X
code:0c12 f3 cf      rjmp    LAB_code_0c06

LAB_code_0c13
code:0c13 c8 01      movw    R25R24,R17R16
code:0c14 0e 94 3e 07 call     FUN_code_073e      undefinedFUN_code_073e()
code:0c16 d6 cf      rjmp    LAB_code_0bed

LAB_code_0c17
code:0c17 80 ea      ldi     R24,0xa0
code:0c18 92 e0      ldi     R25,0x2
code:0c19 0e 94 9c 02 call     FUN_code_029c      undefinedFUN_code_029c()
code:0c1b 82 e3      ldi     R24,0x32
code:0c1c 93 e0      ldi     R25,0x3
code:0c1d 0e 94 06 06 call     FUN_code_0606      undefinedFUN_code_0606()
code:0c1f 8e e9      ldi     R24,0x9e
code:0c20 92 e0      ldi     R25,0x2
code:0c21 0e 94 9c 02 call     FUN_code_029c      undefinedFUN_code_029c()
code:0c23 0e 94 ff 05 call     FUN_code_05ff      undefinedFUN_code_05ff()
code:0c25 8c e9      ldi     R24,0x9c
code:0c26 92 e0      ldi     R25,0x2
code:0c27 0e 94 9c 02 call     FUN_code_029c      undefinedFUN_code_029c()
code:0c29 8e e0      ldi     R24,0xe
code:0c2a 92 e0      ldi     R25,0x2
code:0c2b 0e 94 06 06 call     FUN_code_0606      undefinedFUN_code_0606()
code:0c2d 8a e9      ldi     R24,0x9a
code:0c2e 92 e0      ldi     R25,0x2
code:0c2f 0e 94 9c 02 call     FUN_code_029c      undefinedFUN_code_029c()
code:0c31 0e 94 dc 01 call     FUN_code_01dc      undefinedFUN_code_01dc()
code:0c33 87 e9      ldi     R24,0x97
code:0c34 92 e0      ldi     R25,0x2
code:0c35 0e 94 9c 02 call     FUN_code_029c      undefinedFUN_code_029c()
code:0c37 25 e0      ldi     R18,0x5
code:0c38 e2 2e      mov     R14,R18
code:0c39 28 e0      ldi     R18,0x8
code:0c3a f2 2e      mov     R15,R18
code:0c3b 10 e0      ldi     R17,0x0

LAB_code_0c3c
code:0c3c 61 2f      mov     R22,R17
code:0c3d 8f e9      ldi     R24,0x9f
code:0c3e 9b e0      ldi     R25,0xb
code:0c3f 0e 94 3f 04 call     FUN_code_043f      undefinedFUN_code_043f()
code:0c41 f7 01      movw    Z,R15R14
code:0c42 81 93      st      Z+=>DAT_mem_0805,R24
= ??

```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0c43 7f 01      movw      R15R14,Z
code:0c44 1f 5f      subi     R17,0xff
code:0c45 1f 30      cpi     R17,0xf
code:0c46 a9 f7      brbc    LAB_code_0c3c,Zflg
code:0c47 95 ef      ldi     R25,0xf5
code:0c48 e9 2e      mov     R14,R25
code:0c49 97 e0      ldi     R25,0x7
code:0c4a f9 2e      mov     R15,R25
code:0c4b 10 e0      ldi     R17,0x0

LAB_code_0c4c
code:0c4c 61 2f      mov     R22,R17
code:0c4d 82 e9      ldi     R24,0x92
code:0c4e 9b e0      ldi     R25,0xb
code:0c4f 0e 94 3f 04   call    FUN_code_043f      undefined FUN_code_043f ()
code:0c51 d7 01      movw    X,R15R14
code:0c52 8d 93      st      X+=>DAT_mem_07f5,R24      = ??
code:0c53 7d 01      movw    R15R14,X
code:0c54 1f 5f      subi     R17,0xff
code:0c55 10 31      cpi     R17,0x10
code:0c56 a9 f7      brbc    LAB_code_0c4c,Zflg
code:0c57 02 e0      ldi     R16,0x2
code:0c58 19 e0      ldi     R17,0x9
code:0c59 bc ea      ldi     Xhi,0xac
code:0c5a eb 2e      mov     R14,Xhi
code:0c5b b2 e0      ldi     Xhi,0x2
code:0c5c fb 2e      mov     R15,Xhi
code:0c5d 8a e0      ldi     R24,0xa
code:0c5e a8 2e      mov     R10,R24
code:0c5f b1 2c      mov     R11,R1

LAB_code_0c60
code:0c60 f7 01      movw    Z,R15R14
code:0c61 d0 80      ld      R13,Z=>DAT_mem_02ac      = ??
code:0c62 71 81      ldd     R23,Z+0x1=>DAT_mem_02ad  = ??
code:0c63 d8 01      movw    X,R17R16
code:0c64 ed 91      ld      Zlo,X+=>DAT_mem_0902     = ??
code:0c65 fc 91      ld      Zhi,X=>DAT_mem_0903      = ??
code:0c66 02 80      ldd     R0,Z+0x2
code:0c67 f3 81      ldd     Zhi,Z+0x3
code:0c68 e0 2d      mov     Zlo,R0
code:0c69 42 e0      ldi     R20,0x2
code:0c6a 50 e0      ldi     R21,0x0
code:0c6b 6d 2d      mov     R22,R13
code:0c6c c8 01      movw    R25R24,R17R16
code:0c6d 19 95      com     R17
code:0c6e f8 01      movw    Z,R17R16
code:0c6f d1 8a      std     Z+0x11=>DAT_mem_f613,R13
code:0c70 10 86      std     Z+0x8=>DAT_mem_f60a,R1
code:0c71 01 90      ld      R0,Z+=>DAT_mem_f602
code:0c72 f0 81      ld      Zhi,Z=>DAT_mem_f603
code:0c73 e0 2d      mov     Zlo,R0
code:0c74 01 90      ld      R0,Z+
code:0c75 f0 81      ld      Zhi,Z
code:0c76 e0 2d      mov     Zlo,R0
code:0c77 c8 01      movw    R25R24,R17R16
code:0c78 19 95      com     R17
code:0c79 88 23      and     R24,R24
code:0c7a 39 f0      brbs   LAB_code_0c82,Zflg
code:0c7b d8 01      movw    X,R17R16
code:0c7c 18 96      adiw   X,0x8
code:0c7d 8c 91      ld      R24,X=>DAT_mem_090a      = ??
code:0c7e 18 97      sbiw   X,0x8
code:0c7f 83 60      ori    R24,0x3
code:0c80 18 96      adiw   X,0x8
code:0c81 8c 93      st     X,R24=>DAT_mem_090a      = ??

LAB_code_0c82
code:0c82 0e 94 28 04   call    FUN_code_0428      undefined FUN_code_0428 ()
code:0c84 f8 01      movw    Z,R17R16
code:0c85 62 83      std     Z+0x2=>DAT_mem_0904,R22  = ??
code:0c86 73 83      std     Z+0x3=>DAT_mem_0905,R23  = ??
code:0c87 84 83      std     Z+0x4=>DAT_mem_0906,R24  = ??
code:0c88 95 83      std     Z+0x5=>DAT_mem_0907,R25  = ??
code:0c89 b7 82      std     Z+0x7=>DAT_mem_0909,R11  = ??
code:0c8a a6 82      std     Z+0x6=>DAT_mem_0908,R10  = ??
code:0c8b f4 e0      ldi     Zhi,0x4
code:0c8c ef 0e      add     R14,Zhi
code:0c8d f1 1c      adc     R15,R1
code:0c8e 0e 5e      subi   R16,0xee
code:0c8f 1f 4f      sbci   R17,0xff
code:0c90 2a e0      ldi     R18,0xa
code:0c91 02 3b      cpi     R16,0xb2
code:0c92 12 07      cpc     R17,R18
code:0c93 61 f6      brbc   LAB_code_0c60,Zflg
code:0c94 f0 e5      ldi     Zhi,0x50

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GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0c95 cf 2e      mov     R12,Zhi
code:0c96 f8 e0      ldi    Zhi,0x8
code:0c97 df 2e      mov     R13,Zhi
code:0c98 08 e1      ldi    R16,0x18
code:0c99 18 e0      ldi    R17,0x8
code:0c9a a2 eb      ldi    X10,0xb2
code:0c9b ea 2e      mov     R14,X10
code:0c9c aa e0      ldi    X10,0xa
code:0c9d fa 2e      mov     R15,X10

LAB_code_0c9e
code:0c9e c7 01      movw   R25R24,R15R14
code:0c9f 0e 94 fd 04 call    FUN_code_04fd
code:0ca1 d8 01      movw   X,R17R16
code:0ca2 6d 93      st     X+=>DAT_mem_0818,R22
code:0ca3 7d 93      st     X+=>DAT_mem_0819,R23
code:0ca4 8d 93      st     X+=>DAT_mem_081a,R24
code:0ca5 9d 93      st     X+=>DAT_mem_081b,R25
code:0ca6 8d 01      movw   R17R16,X
code:0ca7 b0 e1      ldi    Xhi,0x10
code:0ca8 eb 0e      add    R14,Xhi
code:0ca9 f1 1c      adc    R15,R1
code:0caa c0 16      cp     R12,R16
code:0cab d1 06      cpc    R13,R17
code:0cac 89 f7      brbc   LAB_code_0c9e,Zflg
code:0cad ee e1      ldi    Z10,0x1e
code:0cae ee 2e      mov     R14,Z10
code:0caf e2 e0      ldi    Z10,0x2
code:0cb0 fe 2e      mov     R15,Z10
code:0cb1 87 01      movw   R17R16,R15R14

LAB_code_0cb2
code:0cb2 f8 01      movw   Z,R17R16
code:0cb3 c1 90      ld     R12,Z+=>DAT_mem_021e
code:0cb4 d1 90      ld     R13,Z+=>DAT_mem_021f
code:0cb5 8f 01      movw   R17R16,Z
code:0cb6 c1 14      cp     R12,R1
code:0cb7 d1 04      cpc    R13,R1
code:0cb8 41 f0      brbs   LAB_code_0cc1,Zflg
code:0cb9 61 e0      ldi    R22,0x1
code:0cba 8c 2d      mov     R24,R12
code:0cbb 0e 94 95 03 call    FUN_code_0395
code:0cbd 61 e0      ldi    R22,0x1
code:0cbe 8c 2d      mov     R24,R12
code:0cbf 0e 94 67 03 call    FUN_code_0367

LAB_code_0cc1
code:0cc1 f2 e0      ldi    Zhi,0x2
code:0cc2 00 33      cpi    R16,0x30
code:0cc3 1f 07      cpc    R17,Zhi
code:0cc4 69 f7      brbc   LAB_code_0cb2,Zflg
code:0cc5 68 eb      ldi    R22,0xb8
code:0cc6 7b e0      ldi    R23,0xb
code:0cc7 80 e0      ldi    R24,0x0
code:0cc8 90 e0      ldi    R25,0x0
code:0cc9 0e 94 f6 03 call    FUN_code_03f6

LAB_code_0ccb
code:0ccb d7 01      movw   X,R15R14
code:0ccc 8d 91      ld     R24,X+=>DAT_mem_021e
code:0ccd 9d 91      ld     R25,X+=>DAT_mem_021f
code:0cce 7d 01      movw   R15R14,X
code:0ccf 00 97      sbiw   R25R24,0x0
code:0cd0 19 f0      brbs   LAB_code_0cd4,Zflg
code:0cd1 60 e0      ldi    R22,0x0
code:0cd2 0e 94 67 03 call    FUN_code_0367

LAB_code_0cd4
code:0cd4 0e 15      cp     R16,R14
code:0cd5 1f 05      cpc    R17,R15
code:0cd6 a1 f7      brbc   LAB_code_0ccb,Zflg
code:0cd7 72 e3      ldi    R23,0x32
code:0cd8 67 2e      mov     R6,R23
code:0cd9 73 e0      ldi    R23,0x3
code:0cda 77 2e      mov     R7,R23

LAB_code_0cdb
code:0cdb 0e 94 28 04 call    FUN_code_0428
code:0cdd 4b 01      movw   R9R8,R23R22
code:0cde 5c 01      movw   R11R10,R25R24
code:0cdf 80 91 14 02 lds    R24,DAT_mem_0214
code:0ce1 90 91 15 02 lds    R25,DAT_mem_0215
code:0ce3 a0 91 16 02 lds    X10,DAT_mem_0216
code:0ce5 b0 91 17 02 lds    Xhi,DAT_mem_0217
code:0ce7 ac 01      movw   R21R20,R25R24
code:0ce8 bd 01      movw   R23R22,X

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Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0ce9 48 54      subi      R20,0x48
code:0cea 54 4f      sbci     R21,0xf4
code:0ceb 6f 4f      sbci     R22,0xff
code:0cec 7f 4f      sbci     R23,0xff
code:0ced 84 16      cp       R8,R20
code:0cee 95 06      cpc     R9,R21
code:0cef a6 06      cpc     R10,R22
code:0cf0 b7 06      cpc     R11,R23
code:0cf1 28 f4      brbc    LAB_code_0cf7,Cflg
code:0cf2 88 16      cp       R8,R24
code:0cf3 99 06      cpc     R9,R25
code:0cf4 aa 06      cpc     R10,Xlo
code:0cf5 bb 06      cpc     R11,Xhi
code:0cf6 80 f5      brbc    LAB_code_0d27,Cflg

LAB_code_0cf7
code:0cf7 81 ee      ldi     R24,0xe1
code:0cf8 92 e0      ldi     R25,0x2
code:0cf9 0e 94 9c 02 call    FUN_code_029c
code:0cfb 82 e3      ldi     R24,0x32
code:0cfc 93 e0      ldi     R25,0x3
code:0cfd 0e 94 06 06 call    FUN_code_0606
code:0cff 8f ed      ldi     R24,0xdf
code:0d00 92 e0      ldi     R25,0x2
code:0d01 0e 94 9c 02 call    FUN_code_029c
code:0d03 0e 94 ff 05 call    FUN_code_05ff
code:0d05 8d ed      ldi     R24,0xdd
code:0d06 92 e0      ldi     R25,0x2
code:0d07 0e 94 9c 02 call    FUN_code_029c
code:0d09 8e e0      ldi     R24,0xe
code:0d0a 92 e0      ldi     R25,0x2
code:0d0b 0e 94 06 06 call    FUN_code_0606
code:0d0d 8b ed      ldi     R24,0xdb
code:0d0e 92 e0      ldi     R25,0x2
code:0d0f 0e 94 9c 02 call    FUN_code_029c
code:0d11 0e 94 dc 01 call    FUN_code_01dc
code:0d13 88 ed      ldi     R24,0xd8
code:0d14 92 e0      ldi     R25,0x2
code:0d15 0e 94 9c 02 call    FUN_code_029c
code:0d17 80 92 14 02 sts     DAT_mem_0214,R8
code:0d19 90 92 15 02 sts     DAT_mem_0215,R9
code:0d1b a0 92 16 02 sts     DAT_mem_0216,R10
code:0d1d b0 92 17 02 sts     DAT_mem_0217,R11
code:0d1f 80 92 0a 02 sts     DAT_mem_020a,R8
code:0d21 90 92 0b 02 sts     DAT_mem_020b,R9
code:0d23 a0 92 0c 02 sts     DAT_mem_020c,R10
code:0d25 b0 92 0d 02 sts     DAT_mem_020d,R11

LAB_code_0d27
code:0d27 68 e1      ldi     R22,0x18
code:0d28 e6 2e      mov     R14,R22
code:0d29 68 e0      ldi     R22,0x8
code:0d2a f6 2e      mov     R15,R22
code:0d2b 02 eb      ldi     R16,0xb2
code:0d2c 1a e0      ldi     R17,0xa

LAB_code_0d2d
code:0d2d 91 e0      ldi     R25,0x1
code:0d2e bf ef      ser     Xhi
code:0d2f 6b 16      cp      R6,Xhi
code:0d30 b4 e0      ldi     Xhi,0x4
code:0d31 7b 06      cpc     R7,Xhi
code:0d32 09 f0      brbs   LAB_code_0d34,Zflg
code:0d33 90 e0      ldi     R25,0x0

LAB_code_0d34
code:0d34 f8 01      movw   Z,R17R16
code:0d35 24 85      ldd    R18,Z+0xc=>DAT_mem_0abe
code:0d36 35 85      ldd    R19,Z+0xcd=>DAT_mem_0abf
code:0d37 f3 e0      ldi     Zhi,0x3
code:0d38 2f 3c      cpi    R18,0xcf
code:0d39 3f 07      cpc     R19,Zhi
code:0d3a 09 f4      brbc   LAB_code_0d3c,Zflg
code:0d3b d2 c1      rjmp   LAB_code_0f0e

LAB_code_0d3c
code:0d3c 22 51      subi   R18,0x12
code:0d3d 35 40      sbci   R19,0x5
code:0d3e 09 f4      brbc   LAB_code_0d40,Zflg
code:0d3f ce c1      rjmp   LAB_code_0f0e

LAB_code_0d40
code:0d40 d8 01      movw   X,R17R16
code:0d41 1e 96      adiw   X,0xe
code:0d42 2d 91      ld     R18,X+=>DAT_mem_0ac0
code:0d43 3c 91      ld     R19,X=>DAT_mem_0ac1

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GhidraRealSimGear-Arduino-3.2.4-G100XFD.ino.mega.hex

```

code:0d44 81 e0      ldi      R24,0x1
code:0d45 b3 e0      ldi      Xh1,0x3
code:0d46 2a 3d      cpi      R18,0xda
code:0d47 3b 07      cpc      R19,Xh1
code:0d48 21 f0      brbs    LAB_code_0d4d,Zflg
code:0d49 2d 51      subi    R18,0x1d
code:0d4a 35 40      sbci    R19,0x5
code:0d4b 09 f0      brbs    LAB_code_0d4d,Zflg
code:0d4c 80 e0      ldi      R24,0x0

LAB_code_0d4d                                XREF [3]:  code:0d48(j), code:0d4b(j),
                                                code:0f0f(j)

code:0d4d 99 23      and     R25,R25
code:0d4e 09 f4      brbc    LAB_code_0d50,Zflg
code:0d4f c0 c1      rjmp   LAB_code_0f10

LAB_code_0d50                                XREF [1]:  code:0d4e(j)

code:0d50 88 23      and     R24,R24
code:0d51 09 f4      brbc    LAB_code_0d53,Zflg
code:0d52 bd c1      rjmp   LAB_code_0f10

LAB_code_0d53                                XREF [1]:  code:0d51(j)

code:0d53 c8 01      movw   R25R24,R17R16
code:0d54 0e 94 fd 04 call    FUN_code_04fd
                                                undefined FUN_code_04fd ()
code:0d56 24 e0      ldi      R18,0x4
code:0d57 30 e0      ldi      R19,0x0
code:0d58 40 e0      ldi      R20,0x0
code:0d59 50 e0      ldi      R21,0x0

LAB_code_0d5a                                XREF [1]:  code:0f17(j)
                                                undefined FUN_code_1019 ()
code:0d5a 0e 94 19 10 call    FUN_code_1019
code:0d5c 19 01      movw   R3R2,R19R18
code:0d5d 2a 01      movw   R5R4,R21R20
code:0d5e f7 01      movw   Z,R15R14
code:0d5f 80 81      ld     R24,Z=>DAT_mem_0818
                                                = ??
code:0d60 91 81      ldd   R25,Z+0x1=>DAT_mem_0819
                                                = ??
code:0d61 a2 81      ldd   Xl0,Z+0x2=>DAT_mem_081a
                                                = ??
code:0d62 b3 81      ldd   Xh1,Z+0x3=>DAT_mem_081b
                                                = ??
code:0d63 82 15      cp     R24,R2
code:0d64 93 05      cpc   R25,R3
code:0d65 a4 05      cpc   Xl0,R4
code:0d66 b5 05      cpc   Xh1,R5
code:0d67 0c f0      brbs   LAB_code_0d69,Sflg
code:0d68 af c1      rjmp  LAB_code_0f18

LAB_code_0d69                                XREF [1]:  code:0d67(j)

code:0d69 d8 01      movw   X,R17R16
code:0d6a 1e 96      adiw  X,0xe
code:0d6b 8d 91      ld     R24,X=>DAT_mem_0ac0
                                                = ??
code:0d6c 9c 91      ld     R25,X=>DAT_mem_0ac1
                                                = ??
code:0d6d 0e 94 06 06 call    FUN_code_0606
                                                undefined FUN_code_0606 ()
code:0d6f 86 ed      ldi    R24,0xd6
code:0d70 92 e0      ldi    R25,0x2

LAB_code_0d71                                XREF [1]:  code:0f25(j)
                                                undefined FUN_code_029c ()
code:0d71 0e 94 9c 02 call    FUN_code_029c
code:0d73 80 92 0a 02 sts    DAT_mem_020a,R8
                                                = ??
code:0d75 90 92 0b 02 sts    DAT_mem_020b,R9
                                                = ??
code:0d77 a0 92 0c 02 sts    DAT_mem_020c,R10
                                                = ??
code:0d79 b0 92 0d 02 sts    DAT_mem_020d,R11
                                                = ??

LAB_code_0d7b                                XREF [1]:  code:0f1d(j)

code:0d7b d7 01      movw   X,R15R14
code:0d7c 2d 92      st     X+>DAT_mem_0818,R2
                                                = ??
code:0d7d 3d 92      st     X+>DAT_mem_0819,R3
                                                = ??
code:0d7e 4d 92      st     X+>DAT_mem_081a,R4
                                                = ??
code:0d7f 5d 92      st     X+>DAT_mem_081b,R5
                                                = ??
code:0d80 7d 01      movw   R15R14,X
code:0d81 00 5f      subi  R16,0xf0
code:0d82 1f 4f      sbci  R17,0xff
code:0d83 e2 e9      ldi    Zl0,0x92
code:0d84 fb e0      ldi    Zhi,0xb
code:0d85 e0 17      cp     Zl0,R16
code:0d86 f1 07      cpc   Zhi,R17
code:0d87 09 f0      brbs   LAB_code_0d89,Zflg
code:0d88 a4 cf      rjmp  LAB_code_0d2d

LAB_code_0d89                                XREF [1]:  code:0d87(j)

code:0d89 5c ea      ldi    R21,0xac
code:0d8a c5 2e      mov    R12,R21
code:0d8b 52 e0      ldi    R21,0x2
code:0d8c d5 2e      mov    R13,R21
code:0d8d 02 e0      ldi    R16,0x2
code:0d8e 19 e0      ldi    R17,0x9
code:0d8f f1 2c      mov    R15,R1
code:0d90 e1 2c      mov    R14,R1

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Ghidra RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

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LAB_code_0ddb                                XREF [3]:    code:0dd6(j), code:0dd9(j),
                                                code:0f77(j)
code:0ddb 44 23      and      R20,R20
code:0ddc 11 f0      brbs    LAB_code_0ddf,Zf1g
code:0ddd 21 11      cpse    R18,R1
code:0dde 99 c1      rjmp    LAB_code_0f78

LAB_code_0ddf                                XREF [1]:    code:0ddc(j)
code:0ddf 31 e0      ldi     R19,0x1
code:0de0 f8 e3      ldi     Zhi,0x38
code:0de1 6f 16      cp      R6,Zhi
code:0de2 f5 e0      ldi     Zhi,0x5
code:0de3 7f 06      cpc     R7,Zhi
code:0de4 09 f0      brbs    LAB_code_0de6,Zf1g
code:0de5 30 e0      ldi     R19,0x0

LAB_code_0de6                                XREF [1]:    code:0de4(j)
code:0de6 bc 01      movw    R23R22,R25R24
code:0de7 63 53      subi    R22,0x33
code:0de8 71 09      sbc     R23,R1
code:0de9 21 e0      ldi     R18,0x1
code:0dea 62 30      cpi     R22,0x2
code:0deb 71 05      cpc     R23,R1
code:0dec 38 f0      brbs    LAB_code_0df4,Cf1g
code:0ded 80 32      cpi     R24,0x20
code:0dee 91 05      cpc     R25,R1
code:0def 21 f0      brbs    LAB_code_0df4,Zf1g
code:0df0 83 32      cpi     R24,0x23
code:0df1 91 05      cpc     R25,R1
code:0df2 09 f0      brbs    LAB_code_0df4,Zf1g
code:0df3 20 e0      ldi     R18,0x0

LAB_code_0df4                                XREF [3]:    code:0dec(j), code:0def(j),
                                                code:0df2(j)
code:0df4 33 23      and     R19,R19
code:0df5 11 f0      brbs    LAB_code_0df8,Zf1g
code:0df6 21 11      cpse    R18,R1
code:0df7 80 c1      rjmp    LAB_code_0f78

LAB_code_0df8                                XREF [1]:    code:0df5(j)
code:0df8 bc 01      movw    R23R22,R25R24
code:0df9 63 51      subi    R22,0x13
code:0dfa 71 09      sbc     R23,R1
code:0dfb 63 30      cpi     R22,0x3
code:0dfc 71 05      cpc     R23,R1
code:0dfd 08 f4      brbc    LAB_code_0dff,Cf1g
code:0dfe 79 c1      rjmp    LAB_code_0f78

LAB_code_0dff                                XREF [1]:    code:0dfd(j)
code:0dff 8c 31      cpi     R24,0x1c
code:0e00 91 05      cpc     R25,R1
code:0e01 09 f4      brbc    LAB_code_0e03,Zf1g
code:0e02 75 c1      rjmp    LAB_code_0f78

LAB_code_0e03                                XREF [1]:    code:0e01(j)
code:0e03 85 32      cpi     R24,0x25
code:0e04 91 05      cpc     R25,R1
code:0e05 09 f0      brbs    LAB_code_0e07,Zf1g
code:0e06 a8 c1      rjmp    LAB_code_0faf

LAB_code_0e07                                XREF [1]:    code:0e05(j)
code:0e07 44 23      and     R20,R20
code:0e08 09 f4      brbc    LAB_code_0e0a,Zf1g
code:0e09 a5 c1      rjmp    LAB_code_0faf

LAB_code_0e0a                                XREF [3]:    code:0e08(j), code:0fb3(j),
                                                code:0fb6(j)
code:0e0a 80 91 06 02  lds     R24,DAT_mem_0206
code:0e0c 90 91 07 02  lds     R25,DAT_mem_0207
code:0e0e a0 91 08 02  lds     Xlo,DAT_mem_0208
code:0e10 b0 91 09 02  lds     Xhi,DAT_mem_0209
code:0e12 83 58      subi    R24,0x83
code:0e13 9f 4f      sbci    R25,0xff
code:0e14 af 4f      sbci    Xlo,0xff
code:0e15 bf 4f      sbci    Xhi,0xff
code:0e16 88 16      cp      R8,R24
code:0e17 99 06      cpc     R9,R25
code:0e18 aa 06      cpc     R10,Xlo
code:0e19 bb 06      cpc     R11,Xhi
code:0e1a 30 f1      brbs    LAB_code_0e41,Cf1g
code:0e1b 81 e0      ldi     R24,0x1
code:0e1c 90 e0      ldi     R25,0x0
code:0e1d 90 93 17 08  sts     DAT_mem_0817,R25
code:0e1f 80 93 16 08  sts     DAT_mem_0816,R24
code:0e21 f0 92 15 08  sts     DAT_mem_0815,R15

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GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0e23 e0 92 14 08 sts DAT_mem_0814,R14 = ??
code:0e25 80 92 02 02 sts DAT_mem_0202,R8 = ??
code:0e27 90 92 03 02 sts DAT_mem_0203,R9 = ??
code:0e29 a0 92 04 02 sts DAT_mem_0204,R10 = ??
code:0e2b b0 92 05 02 sts DAT_mem_0205,R11 = ??
code:0e2d c8 01 movw R25R24,R17R16
code:0e2e 0e 94 9b 04 call FUN_code_049b undefined FUN_code_049b ()
code:0e30 88 23 and R24,R24
code:0e31 21 f0 brbs LAB_code_0e36,Zflg
code:0e32 10 92 01 02 sts DAT_mem_0201,R1 = ??
code:0e34 10 92 00 02 sts DAT_mem_0200,R1 = ??

LAB_code_0e36 XREF[1]: code:0e31(j)
code:0e36 c8 01 movw R25R24,R17R16
code:0e37 0e 94 a5 04 call FUN_code_04a5 undefined FUN_code_04a5 ()
code:0e39 88 23 and R24,R24
code:0e3a 31 f0 brbs LAB_code_0e41,Zflg
code:0e3b 81 e0 ldi R24,0x1
code:0e3c 90 e0 ldi R25,0x0
code:0e3d 90 93 01 02 sts DAT_mem_0201,R25 = ??
code:0e3f 80 93 00 02 sts DAT_mem_0200,R24 = ??

LAB_code_0e41 XREF[3]: code:0e1a(j), code:0e3a(j),
code:0fae(j)
code:0e41 61 e0 ldi R22,0x1
code:0e42 70 e0 ldi R23,0x0
code:0e43 80 e0 ldi R24,0x0
code:0e44 90 e0 ldi R25,0x0
code:0e45 0e 94 f6 03 call FUN_code_03f6 undefined FUN_code_03f6 ()
code:0e47 00 e7 ldi R16,0x70
code:0e48 12 e0 ldi R17,0x2
code:0e49 45 e0 ldi R20,0x5
code:0e4a e4 2e mov R14,R20
code:0e4b 48 e0 ldi R20,0x8
code:0e4c f4 2e mov R15,R20
code:0e4d d1 2c mov R13,R1

LAB_code_0e4e XREF[1]: code:0e72(j)
code:0e4e 6d 2d mov R22,R13
code:0e4f 8f e9 ldi R24,0x9f
code:0e50 9b e0 ldi R25,0xb
code:0e51 0e 94 3f 04 call FUN_code_043f undefined FUN_code_043f ()
code:0e53 c8 2e mov R12,R24
code:0e54 d7 01 movw X,R15R14
code:0e55 8d 91 ld R24,X+=>DAT_mem_0805 = ??
code:0e56 7d 01 movw R15R14,X
code:0e57 c8 16 cp R12,R24
code:0e58 99 f0 brbs LAB_code_0e6c,Zflg
code:0e59 fd 01 movw Z,X
code:0e5a 31 97 sbiw Z,0x1
code:0e5b c0 82 st Z,R12=>DAT_mem_0805 = ??
code:0e5c f8 01 movw Z,R17R16
code:0e5d 82 81 ldd R24,Z+offset DAT_mem_0272 = ??
code:0e5e 93 81 ldd R25,Z+0x3=>DAT_mem_0273 = ??
code:0e5f 0e 94 06 06 call FUN_code_0606 undefined FUN_code_0606 ()
code:0e61 88 ec ldi R24,0xc8
code:0e62 92 e0 ldi R25,0x2
code:0e63 cc 20 and R12,R12
code:0e64 29 f0 brbs LAB_code_0e6a,Zflg
code:0e65 f1 e0 ldi Zhi,0x1
code:0e66 cf 12 cpse R12,Zhi
code:0e67 04 c0 rjmp LAB_code_0e6c
code:0e68 84 ec ldi R24,0xc4
code:0e69 92 e0 ldi R25,0x2

LAB_code_0e6a XREF[1]: code:0e64(j)
code:0e6a 0e 94 9c 02 call FUN_code_029c undefined FUN_code_029c ()

LAB_code_0e6c XREF[2]: code:0e58(j), code:0e67(j)
code:0e6c d3 94 inc R13
code:0e6d 0c 5f subi R16,0xfc
code:0e6e 1f 4f sbci R17,0xff
code:0e6f 3f e0 ldi R19,0xf
code:0e70 23 2e mov R2,R19
code:0e71 d2 10 cpse R13,R2
code:0e72 db cf rjmp LAB_code_0e4e
code:0e73 00 e3 ldi R16,0x30
code:0e74 12 e0 ldi R17,0x2
code:0e75 25 ef ldi R18,0xf5
code:0e76 e2 2e mov R14,R18
code:0e77 27 e0 ldi R18,0x7
code:0e78 f2 2e mov R15,R18
code:0e79 d1 2c mov R13,R1

LAB_code_0e7a XREF[1]: code:0e9e(j)
code:0e7a 6d 2d mov R22,R13

```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0e7b 82 e9      ldi      R24,0x92
code:0e7c 9b e0      ldi      R25,0xb
code:0e7d 0e 94 3f 04    call    FUN_code_043f      undefinedFUN_code_043f()
code:0e7f c8 2e      mov      R12,R24
code:0e80 d7 01      movw    X,R15R14
code:0e81 8d 91      ld      R24,X+=>DAT_mem_07f5    = ??
code:0e82 7d 01      movw    R15R14,X
code:0e83 c8 16      cp      R12,R24
code:0e84 99 f0      brbs    LAB_code_0e98,Zflg
code:0e85 fd 01      movw    Z,X
code:0e86 31 97      sbiw    Z,0x1
code:0e87 c0 82      st      Z,R12=>DAT_mem_07f5    = ??
code:0e88 f8 01      movw    Z,R17R16
code:0e89 82 81      ldd    R24,Z+offset DAT_mem_0232    = ??
code:0e8a 93 81      ldd    R25,Z+0x3=>DAT_mem_0233    = ??
code:0e8b 0e 94 06 06  call    FUN_code_0606      undefinedFUN_code_0606()
code:0e8d 80 ec      ldi      R24,0xc0
code:0e8e 92 e0      ldi      R25,0x2
code:0e8f cc 20      and     R12,R12
code:0e90 29 f0      brbs    LAB_code_0e96,Zflg
code:0e91 f1 e0      ldi      Zhi,0x1
code:0e92 cf 12      cpse   R12,Zhi
code:0e93 04 c0      rjmp   LAB_code_0e98
code:0e94 8c eb      ldi      R24,0xbc
code:0e95 92 e0      ldi      R25,0x2

LAB_code_0e96
code:0e96 0e 94 9c 02  call    FUN_code_029c      XREF [1]: code:0e90(j)
                                                undefinedFUN_code_029c()

LAB_code_0e98
code:0e98 d3 94      inc     R13
code:0e99 0c 5f      subi   R16,0xfc
code:0e9a 1f 4f      sbci   R17,0xff
code:0e9b 90 e1      ldi    R25,0x10
code:0e9c 29 2e      mov    R2,R25
code:0e9d d2 10      cpse   R13,R2
code:0e9e db cf      rjmp   LAB_code_0e7a
code:0e9f 80 91 0a 02  lds    R24,DAT_mem_020a    = ??
code:0ea1 90 91 0b 02  lds    R25,DAT_mem_020b    = ??
code:0ea3 a0 91 0c 02  lds    Xlo,DAT_mem_020c    = ??
code:0ea5 b0 91 0d 02  lds    Xhi,DAT_mem_020d    = ??
code:0ea7 ac 01      movw   R21R20,R25R24
code:0ea8 bd 01      movw   R23R22,X
code:0ea9 4c 59      subi   R20,0x9c
code:0eaa 5f 4f      sbci   R21,0xff
code:0eab 6f 4f      sbci   R22,0xff
code:0eac 7f 4f      sbci   R23,0xff
code:0ead 84 16      cp     R8,R20
code:0eae 95 06      cpc   R9,R21
code:0eaf a6 06      cpc   R10,R22
code:0eb0 b7 06      cpc   R11,R23
code:0eb1 28 f4      brbc   LAB_code_0eb7,Cflg
code:0eb2 88 16      cp     R8,R24
code:0eb3 99 06      cpc   R9,R25
code:0eb4 aa 06      cpc   R10,Xlo
code:0eb5 bb 06      cpc   R11,Xhi
code:0eb6 60 f4      brbc   LAB_code_0ec3,Cflg

LAB_code_0eb7
code:0eb7 8a eb      ldi    R24,0xba
code:0eb8 92 e0      ldi    R25,0x2
code:0eb9 0e 94 9c 02  call    FUN_code_029c      XREF [1]: code:0eb1(j)
                                                undefinedFUN_code_029c()
code:0ebb 80 92 0a 02  sts    DAT_mem_020a,R8    = ??
code:0ebd 90 92 0b 02  sts    DAT_mem_020b,R9    = ??
code:0ebf a0 92 0c 02  sts    DAT_mem_020c,R10   = ??
code:0ec1 b0 92 0d 02  sts    DAT_mem_020d,R11   = ??

LAB_code_0ec3
code:0ec3 80 91 02 02  lds    R24,DAT_mem_0202    = ??
code:0ec5 90 91 03 02  lds    R25,DAT_mem_0203    = ??
code:0ec7 a0 91 04 02  lds    Xlo,DAT_mem_0204    = ??
code:0ec9 b0 91 05 02  lds    Xhi,DAT_mem_0205    = ??
code:0ecb 83 58      subi   R24,0x83
code:0ecc 9f 4f      sbci   R25,0xff
code:0ecd af 4f      sbci   Xlo,0xff
code:0ece bf 4f      sbci   Xhi,0xff
code:0ecf 88 15      cp     R24,R8
code:0ed0 99 05      cpc   R25,R9
code:0ed1 aa 05      cpc   Xlo,R10
code:0ed2 bb 05      cpc   Xhi,R11
code:0ed3 b8 f5      brbc   LAB_code_0f0b,Cflg
code:0ed4 80 91 16 08  lds    R24,DAT_mem_0816    = ??
code:0ed6 90 91 17 08  lds    R25,DAT_mem_0817    = ??
code:0ed8 01 97      sbiw   R25R24,0x1
code:0ed9 89 f5      brbc   LAB_code_0f0b,Zflg
code:0eda e0 91 14 08  lds    Zlo,DAT_mem_0814    = ??

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GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0edc f0 91 15 08 lds Zhi,DAT_mem_0815 = ??
code:0ede ee 0f add Zl0,Zl0
code:0edf ff 1f adc Zhi,Zhi
code:0ee0 ee 0f add Zl0,Zl0
code:0ee1 ff 1f adc Zhi,Zhi
code:0ee2 e4 55 subi Zl0,0x54
code:0ee3 fd 4f sbci Zhi,0xfd
code:0ee4 82 81 ldd R24,Z+0x2
code:0ee5 93 81 ldd R25,Z+0x3
code:0ee6 0e 94 06 06 call FUN_code_0606 undefinedFUN_code_0606()
code:0ee8 80 91 00 02 lds R24,DAT_mem_0200 = ??
code:0eea 90 91 01 02 lds R25,DAT_mem_0201 = ??
code:0eec 00 97 sbiw R25R24,0x0
code:0eed 09 f0 brbs LAB_code_0eeef,Zflg
code:0eee d0 c0 rjmp LAB_code_0fbf

LAB_code_0eeef XREF[1]: code:0eed(j)
code:0eef 86 eb ldi R24,0xb6
code:0ef0 92 e0 ldi R25,0x2

LAB_code_0ef1 XREF[1]: code:0fc4(j)
code:0ef1 0e 94 9c 02 call FUN_code_029c undefinedFUN_code_029c()

LAB_code_0ef3 XREF[1]: code:0fc1(j)
code:0ef3 64 e6 ldi R22,0x64
code:0ef4 70 e0 ldi R23,0x0
code:0ef5 80 e0 ldi R24,0x0
code:0ef6 90 e0 ldi R25,0x0
code:0ef7 0e 94 f6 03 call FUN_code_03f6 undefinedFUN_code_03f6()
code:0ef9 80 92 0a 02 sts DAT_mem_020a,R8 = ??
code:0efb 90 92 0b 02 sts DAT_mem_020b,R9 = ??
code:0efd a0 92 0c 02 sts DAT_mem_020c,R10 = ??
code:0eff b0 92 0d 02 sts DAT_mem_020d,R11 = ??
code:0f01 10 92 17 08 sts DAT_mem_0817,R1 = ??
code:0f03 10 92 16 08 sts DAT_mem_0816,R1 = ??
code:0f05 89 e0 ldi R24,0x9
code:0f06 90 e0 ldi R25,0x0
code:0f07 90 93 01 02 sts DAT_mem_0201,R25 = ??
code:0f09 80 93 00 02 sts DAT_mem_0200,R24 = ??

LAB_code_0f0b XREF[2]: code:0ed3(j), code:0ed9(j)
code:0f0b 0e 94 81 06 call FUN_code_0681 undefinedFUN_code_0681()
code:0f0d cd cd rjmp LAB_code_0cdb

LAB_code_0f0e XREF[2]: code:0d3b(j), code:0d3f(j)
code:0f0e 81 e0 ldi R24,0x1
code:0f0f 3d ce rjmp LAB_code_0d4d

LAB_code_0f10 XREF[2]: code:0d4f(j), code:0d52(j)
code:0f10 c8 01 movw R25R24,R17R16
code:0f11 0e 94 fd 04 call FUN_code_04fd undefinedFUN_code_04fd()
code:0f13 22 e0 ldi R18,0x2
code:0f14 30 e0 ldi R19,0x0
code:0f15 40 e0 ldi R20,0x0
code:0f16 50 e0 ldi R21,0x0
code:0f17 42 ce rjmp LAB_code_0d5a

LAB_code_0f18 XREF[1]: code:0d68(j)
code:0f18 28 16 cp R2,R24
code:0f19 39 06 cpc R3,R25
code:0f1a 4a 06 cpc R4,Xl0
code:0f1b 5b 06 cpc R5,Xhi
code:0f1c 0c f0 brbs LAB_code_0f1e,Sflg
code:0f1d 5d ce rjmp LAB_code_0d7b

LAB_code_0f1e XREF[1]: code:0f1c(j)
code:0f1e f8 01 movw Z,R17R16
code:0f1f 84 85 ldd R24,Z+0xc=>DAT_mem_0abe = ??
code:0f20 95 85 ldd R25,Z+0xd=>DAT_mem_0abf = ??
code:0f21 0e 94 06 06 call FUN_code_0606 undefinedFUN_code_0606()
code:0f23 84 ed ldi R24,0xd4
code:0f24 92 e0 ldi R25,0x2
code:0f25 4b ce rjmp LAB_code_0d71

LAB_code_0f26 XREF[1]: code:0da8(j)
code:0f26 0e 94 28 04 call FUN_code_0428 undefinedFUN_code_0428()
code:0f28 d8 01 movw X,R17R16
code:0f29 12 96 adiw X,0x2
code:0f2a 2d 91 ld R18,X+=>DAT_mem_f604
code:0f2b 3d 91 ld R19,X+=>DAT_mem_f605
code:0f2c 4d 91 ld R20,X+=>DAT_mem_f606
code:0f2d 5c 91 ld R21,X=>DAT_mem_f607
code:0f2e 15 97 sbiw X,0x5
code:0f2f 1b 01 movw R3R2,R23R22
code:0f30 2c 01 movw R5R4,R25R24
code:0f31 22 1a sub R2,R18

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GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0f32 33 0a      sbc      R3,R19
code:0f33 44 0a      sbc      R4,R20
code:0f34 55 0a      sbc      R5,R21
code:0f35 b2 01      movw    R23R22,R5R4
code:0f36 a1 01      movw    R21R20,R3R2
code:0f37 16 96      adiw    X,0x6
code:0f38 8d 91      ld      R24,X=>DAT_mem_f608
code:0f39 9c 91      ld      R25,X=>DAT_mem_f609
code:0f3a b0 e0      ldi     Xh1,0x0
code:0f3b a0 e0      ldi     Xl0,0x0
code:0f3c 48 17      cp      R20,R24
code:0f3d 59 07      cpc    R21,R25
code:0f3e 6a 07      cpc    R22,Xl0
code:0f3f 7b 07      cpc    R23,Xh1
code:0f40 08 f4      brbc   LAB_code_0f42,cflg
code:0f41 76 ce      rjmp   LAB_code_0db8

LAB_code_0f42
code:0f42 d8 01      movw    X,R17R16
code:0f43 18 96      adiw    X,0x8
code:0f44 8c 91      ld      R24,X=>DAT_mem_f60a
code:0f45 81 70      andi   R24,0x1
code:0f46 28 88      ldd    R2,Y+0x10
code:0f47 28 16      cp      R2,R24
code:0f48 09 f4      brbc   LAB_code_0f4a,zflg
code:0f49 6e ce      rjmp   LAB_code_0db8

LAB_code_0f4a
code:0f4a 0e 94 28 04 call    FUN_code_0428
code:0f4c d8 01      movw    X,R17R16
code:0f4d 12 96      adiw    X,0x2
code:0f4e 6d 93      st      X+=>DAT_mem_f604,R22
code:0f4f 7d 93      st      X+=>DAT_mem_f605,R23
code:0f50 8d 93      st      X+=>DAT_mem_f606,R24
code:0f51 9c 93      st      X,R25=>DAT_mem_f607
code:0f52 15 97      sbiw   X,0x5
code:0f53 18 96      adiw    X,0x8
code:0f54 8c 91      ld      R24,X=>DAT_mem_f60a
code:0f55 b1 e0      ldi     Xh1,0x1
code:0f56 8b 27      eor    R24,Xh1
code:0f57 84 60      ori    R24,0x4
code:0f58 f8 01      movw    Z,R17R16
code:0f59 80 87      std    Z+0x8=>DAT_mem_f60a,R24
code:0f5a 0e 94 28 04 call    FUN_code_0428
code:0f5c d8 01      movw    X,R17R16
code:0f5d 19 96      adiw    X,0x9
code:0f5e 2d 91      ld      R18,X+=>DAT_mem_f60b
code:0f5f 3d 91      ld      R19,X+=>DAT_mem_f60c
code:0f60 4d 91      ld      R20,X+=>DAT_mem_f60d
code:0f61 5c 91      ld      R21,X=>DAT_mem_f60e
code:0f62 1c 97      sbiw   X,0xc
code:0f63 62 1b      sub    R22,R18
code:0f64 73 0b      sbc    R23,R19
code:0f65 84 0b      sbc    R24,R20
code:0f66 95 0b      sbc    R25,R21
code:0f67 f8 01      movw    Z,R17R16
code:0f68 65 87      std    Z+0xd=>DAT_mem_f60f,R22
code:0f69 76 87      std    Z+0xe=>DAT_mem_f610,R23
code:0f6a 87 87      std    Z+0xf=>DAT_mem_f611,R24
code:0f6b 90 8b      std    Z+0x10=>DAT_mem_f612,R25
code:0f6c 0e 94 28 04 call    FUN_code_0428
code:0f6e d8 01      movw    X,R17R16
code:0f6f 19 96      adiw    X,0x9
code:0f70 6d 93      st      X+=>DAT_mem_f60b,R22
code:0f71 7d 93      st      X+=>DAT_mem_f60c,R23
code:0f72 8d 93      st      X+=>DAT_mem_f60d,R24
code:0f73 9c 93      st      X,R25=>DAT_mem_f60e
code:0f74 1c 97      sbiw   X,0xc
code:0f75 42 ce      rjmp   LAB_code_0db8

LAB_code_0f76
code:0f76 21 e0      ldi     R18,0x1
code:0f77 63 ce      rjmp   LAB_code_0ddb

LAB_code_0f78
code:0f78 80 92 06 02 sts    DAT_mem_0206,R8
code:0f7a 90 92 07 02 sts    DAT_mem_0207,R9
code:0f7c a0 92 08 02 sts    DAT_mem_0208,R10
code:0f7e b0 92 09 02 sts    DAT_mem_0209,R11
code:0f80 10 92 17 08 sts    DAT_mem_0817,R1
code:0f82 10 92 16 08 sts    DAT_mem_0816,R1

LAB_code_0f84
code:0f84 d6 01      movw    X,R13R12
code:0f85 12 96      adiw    X,0x2

```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:0f86 8d 91      ld      R24,X=>DAT_mem_02ae      = ??
code:0f87 9c 91      ld      R25,X=>DAT_mem_02af      = ??
code:0f88 0e 94 06 06 call    FUN_code_0606             undefinedFUN_code_0606()
code:0f8a c8 01      movw   R25R24,R17R16
code:0f8b 0e 94 9b 04 call    FUN_code_049b             undefinedFUN_code_049b()
code:0f8d 88 23      and    R24,R24
code:0f8e 41 f1      brbs   LAB_code_0fb7,Zflg
code:0f8f 80 ed      ldi    R24,0xd0
code:0f90 92 e0      ldi    R25,0x2

LAB_code_0f91
code:0f91 0e 94 9c 02 call    FUN_code_029c             XREF[1]: code:0fbe(j)
                                                undefinedFUN_code_029c()

LAB_code_0f93
code:0f93 64 e6      ldi    R22,0x64
code:0f94 70 e0      ldi    R23,0x0
code:0f95 80 e0      ldi    R24,0x0
code:0f96 90 e0      ldi    R25,0x0
code:0f97 0e 94 f6 03 call    FUN_code_03f6             undefinedFUN_code_03f6()
code:0f99 80 92 0a 02 sts    DAT_mem_020a,R8           = ??
code:0f9b 90 92 0b 02 sts    DAT_mem_020b,R9           = ??
code:0f9d a0 92 0c 02 sts    DAT_mem_020c,R10          = ??
code:0f9f b0 92 0d 02 sts    DAT_mem_020d,R11          = ??

LAB_code_0fa1
code:0fa1 bf ef      ser    Xhi
code:0fa2 eb 1a      sub    R14,Xhi
code:0fa3 fb 0a      sbc    R15,Xhi
code:0fa4 0e 5e      subi  R16,0xee
code:0fa5 1f 4f      sbci  R17,0xff
code:0fa6 e4 e0      ldi    Zlo,0x4
code:0fa7 ce 0e      add    R12,Zlo
code:0fa8 d1 1c      adc    R13,R1
code:0fa9 f8 e1      ldi    Zhi,0x18
code:0faa ef 16      cp     R14,Zhi
code:0fab f1 04      cpc   R15,R1
code:0fac 09 f0      brbs  LAB_code_0fae,Zflg
code:0fad e3 cd      rjmp  LAB_code_0d91

LAB_code_0fae
code:0fae 92 ce      rjmp  LAB_code_0e41             XREF[1]: code:0fac(j)

LAB_code_0faf
code:0faf 82 33      cpi    R24,0x32
code:0fb0 91 05      cpc   R25,R1
code:0fb1 11 f4      brbc  LAB_code_0fb4,Zflg
code:0fb2 31 11      cpse  R19,R1
code:0fb3 56 ce      rjmp  LAB_code_0e0a

LAB_code_0fb4
code:0fb4 4a 97      sbiw  R25R24,0x1a             XREF[1]: code:0fb1(j)
code:0fb5 71 f6      brbc  LAB_code_0f84,Zflg
code:0fb6 53 ce      rjmp  LAB_code_0e0a

LAB_code_0fb7
code:0fb7 c8 01      movw  R25R24,R17R16             XREF[1]: code:0f8e(j)
code:0fb8 0e 94 a5 04 call    FUN_code_04a5             undefinedFUN_code_04a5()
code:0fba 88 23      and   R24,R24
code:0fbb b9 f2      brbs  LAB_code_0f93,Zflg
code:0fbc 8c ec      ldi   R24,0xcc
code:0fbd 92 e0      ldi   R25,0x2
code:0fbe d2 cf      rjmp  LAB_code_0f91

LAB_code_0fbf
code:0fbf 01 97      sbiw  R25R24,0x1             XREF[1]: code:0eee(j)
code:0fc0 09 f0      brbs  LAB_code_0fc2,Zflg
code:0fc1 31 cf      rjmp  LAB_code_0ef3

LAB_code_0fc2
code:0fc2 82 eb      ldi   R24,0xb2
code:0fc3 92 e0      ldi   R25,0x2
code:0fc4 2c cf      rjmp  LAB_code_0ef1
code:0fc5 86      ??    86h
code:0fc5.1 ef      ??    EFh
code:0fc6 98      ??    98h
code:0fc6.1 e0      ??    E0h
code:0fc7 0e      ??    0Eh
code:0fc7.1 94      ??    94h
code:0fc8 88      ??    88h
code:0fc8.1 07      ??    07h
code:0fc9 8c      ??    8Ch
code:0fc9.1 ef      ??    EFh
code:0fca 98      ??    98h
code:0fca.1 e0      ??    E0h
code:0fcb 0c      ??    0Ch
code:0fcb.1 94      ??    94h

```


GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:1001 a2 17      cp      X10,R18
code:1002 b3 07      cpc     Xh1,R19
code:1003 e4 07      cpc     Z10,R20
code:1004 f5 07      cpc     Zh1,R21
code:1005 20 f0      brbs   LAB_code_100a,Cflg
code:1006 a2 1b      sub     X10,R18
code:1007 b3 0b      sbc     Xh1,R19
code:1008 e4 0b      sbc     Z10,R20
code:1009 f5 0b      sbc     Zh1,R21

LAB_code_100a
code:100a 66 1f      adc     R22,R22
code:100b 77 1f      adc     R23,R23
code:100c 88 1f      adc     R24,R24
code:100d 99 1f      adc     R25,R25
code:100e 1a 94      dec     R1
code:100f 69 f7      brbc   LAB_code_0ff0,Zflg
code:1010 60 95      com     R22
code:1011 70 95      com     R23
code:1012 80 95      com     R24
code:1013 90 95      com     R25
code:1014 9b 01      movw   R19R18,R23R22
code:1015 ac 01      movw   R21R20,R25R24
code:1016 bd 01      movw   R23R22,X
code:1017 cf 01      movw   R25R24,Z
code:1018 08 95      ret

*****
*                               *
*                               *
*****
undefined FUN_code_1019()
code:1019 05 2e      mov     R0,R21
code:101a 97 fb      bst     R25,0x7
code:101b 1e f4      brbc   LAB_code_101f,Tflg
code:101c 00 94      com     R0
code:101d 0e 94 30 10 call    FUN_code_1030
LAB_code_101f
code:101f 57 fd      sbrc   R21,0x7
code:1020 07 d0      rcall  FUN_code_1028
code:1021 0e 94 f7 0f call    FUN_code_0ff7
code:1023 07 fc      sbrc   R0,0x7
code:1024 03 d0      rcall  FUN_code_1028
code:1025 4e f4      brbc   LAB_code_102f,Tflg
code:1026 0c 94 30 10 jmp     FUN_code_1030
-- Flow Override: CALL_RETURN (CALL_TERMINATOR)

*****
*                               *
*                               *
*****
undefined FUN_code_1028()
code:1028 50 95      com     R21
code:1029 40 95      com     R20
code:102a 30 95      com     R19
code:102b 21 95      neg     R18
code:102c 3f 4f      sbci   R19,0xff
code:102d 4f 4f      sbci   R20,0xff
code:102e 5f 4f      sbci   R21,0xff
LAB_code_102f
code:102f 08 95      ret

*****
*                               *
*                               *
*****
undefined FUN_code_1030()
code:1030 90 95      com     R25
code:1031 80 95      com     R24
code:1032 70 95      com     R23
code:1033 61 95      neg     R22
code:1034 7f 4f      sbci   R23,0xff
code:1035 8f 4f      sbci   R24,0xff
code:1036 9f 4f      sbci   R25,0xff
code:1037 08 95      ret

```

Ghidra RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

*****
*                               *
*                               *
*****
undefined FUN_code_1038()
R24:l <RETURN>
FUN_code_1038 XREF [3]: FUN_code_017c:01a2(c),
                    FUN_code_02d7:02e1(c),
                    FUN_code_1263:126a(c)

code:1038 ee 0f      add     Zlo,Zlo
code:1039 ff 1f      adc     Zhi,Zhi
code:103a 88 1f      adc     R24,R24
code:103b 8b bf      out     RAMPZ,R24
code:103c 07        ??     07h
code:103c.1 90      ??     90h
code:103d f6        ??     F6h
code:103d.1 91      ??     91h
code:103e e0        ??     E0h
code:103e.1 2d      ??     2Dh  -
code:103f 19        ??     19h
code:103f.1 94      ??     94h

*****
*                               *
*                               *
*****
undefined FUN_code_1040()
R24:l <RETURN>
FUN_code_1040 XREF [3]: FUN_code_06ae:06ba(c),
                    FUN_code_1165:1189(c),
                    FUN_code_1165:1235(c)

code:1040 0f 93      push    R16
code:1041 1f 93      push    R17
code:1042 cf 93      push    Ylo
code:1043 df 93      push    Yhi
code:1044 82 30      cpi     R24,0x2
code:1045 91 05      cpc     R25,R1
code:1046 10 f4      brbc    LAB_code_1049,Cflg
code:1047 82 e0      ldi     R24,0x2
code:1048 90 e0      ldi     R25,0x0

LAB_code_1049 XREF [1]: code:1046(j)
code:1049 e0 91 ae 0b lds     Zlo,DAT_mem_0bae
code:104b f0 91 af 0b lds     Zhi,DAT_mem_0baf
code:104d 30 e0      ldi     R19,0x0
code:104e 20 e0      ldi     R18,0x0
code:104f b0 e0      ldi     Xhi,0x0
code:1050 a0 e0      ldi     Xlo,0x0

LAB_code_1051 XREF [1]: code:108f(j)
code:1051 30 97      sbiw    Z,0x0
code:1052 99 f4      brbc    LAB_code_1066,Zflg
code:1053 21 15      cp      R18,R1
code:1054 31 05      cpc     R19,R1
code:1055 09 f4      brbc    LAB_code_1057,Zflg
code:1056 4a c0      rjmp    LAB_code_10a1

LAB_code_1057 XREF [1]: code:1055(j)
code:1057 28 1b      sub     R18,R24
code:1058 39 0b      sbc     R19,R25
code:1059 24 30      cpi     R18,0x4
code:105a 31 05      cpc     R19,R1
code:105b d8 f5      brbc    LAB_code_1097,Cflg
code:105c 8a 81      ldd     R24,Y+0x2
code:105d 9b 81      ldd     R25,Y+0x3
code:105e 61 15      cp      R22,R1
code:105f 71 05      cpc     R23,R1
code:1060 89 f1      brbs    LAB_code_1092,Zflg
code:1061 fb 01      movw    Z,R23R22
code:1062 93 83      std     Z+0x3,R25
code:1063 82 83      std     Z+0x2,R24

LAB_code_1064 XREF [1]: code:1096(j)
code:1064 fe 01      movw    Z,Y
code:1065 11 c0      rjmp    LAB_code_1077

LAB_code_1066 XREF [1]: code:1052(j)
code:1066 40 81      ld      R20,Z
code:1067 51 81      ldd     R21,Z+0x1
code:1068 02 81      ldd     R16,Z+0x2
code:1069 13 81      ldd     R17,Z+0x3
code:106a 48 17      cp      R20,R24
code:106b 59 07      cpc     R21,R25
code:106c e0 f0      brbs    LAB_code_1089,Cflg
code:106d 48 17      cp      R20,R24
code:106e 59 07      cpc     R21,R25
code:106f 99 f4      brbc    LAB_code_1083,Zflg

```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:1070 10 97      sbiw      X,0x0
code:1071 61 f0      brbs     LAB_code_107e,Zflg
code:1072 12 96      adiw     X,0x2
code:1073 0c 93      st       X,R16
code:1074 12 97      sbiw     X,0x2
code:1075 13 96      adiw     X,0x3
code:1076 1c 93      st       X,R17

LAB_code_1077
code:1077 32 96      adiw     Z,0x2      XREF[2]:  code:1065(j), code:1082(j)

LAB_code_1078
code:1078 cf 01      movw     R25R24,Z
code:1079 df 91      pop      Yhi
code:107a cf 91      pop      Ylo
code:107b 1f 91      pop      R17
code:107c 0f 91      pop      R16
code:107d 08 95      ret

LAB_code_107e
code:107e 00 93 ae 0b sts     DAT_mem_0bae,R16      XREF[1]:  code:1071(j)
code:1080 10 93 af 0b sts     DAT_mem_0baf,R17      = ??
code:1082 f4 cf      rjmp    LAB_code_1077      = ??

LAB_code_1083
code:1083 21 15      cp       R18,R1      XREF[1]:  code:106f(j)
code:1084 31 05      cpc     R19,R1
code:1085 51 f0      brbs     LAB_code_1090,Zflg
code:1086 42 17      cp       R20,R18
code:1087 53 07      cpc     R21,R19
code:1088 38 f0      brbs     LAB_code_1090,Cflg

LAB_code_1089
code:1089 a9 01      movw     R21R20,R19R18      XREF[1]:  code:106c(j)
code:108a db 01      movw     X,R23R22

LAB_code_108b
code:108b 9a 01      movw     R19R18,R21R20      XREF[1]:  code:1091(j)
code:108c bd 01      movw     R23R22,X
code:108d df 01      movw     X,Z
code:108e f8 01      movw     Z,R17R16
code:108f c1 cf      rjmp    LAB_code_1051

LAB_code_1090
code:1090 ef 01      movw     Y,Z      XREF[2]:  code:1085(j), code:1088(j)
code:1091 f9 cf      rjmp    LAB_code_108b

LAB_code_1092
code:1092 90 93 af 0b sts     DAT_mem_0bae,R25      XREF[1]:  code:1060(j)
code:1094 80 93 ae 0b sts     DAT_mem_0bae,R24      = ??
code:1096 cd cf      rjmp    LAB_code_1064      = ??

LAB_code_1097
code:1097 fe 01      movw     Z,Y      XREF[1]:  code:105b(j)
code:1098 e2 0f      add     Zlo,R18
code:1099 f3 1f      adc     Zhi,R19
code:109a 81 93      st      Z+,R24
code:109b 91 93      st      Z+,R25
code:109c 22 50      subi   R18,0x2
code:109d 31 09      sbc     R19,R1
code:109e 39 83      std     Y+0x1,R19
code:109f 28 83      st      Y,R18
code:10a0 d7 cf      rjmp    LAB_code_1078

LAB_code_10a1
code:10a1 20 91 ac 0b lds     R18,DAT_mem_0bac      XREF[1]:  code:1056(j)
code:10a3 30 91 ad 0b lds     R19,DAT_mem_0bad      = ??
code:10a5 23 2b      or      R18,R19      = ??
code:10a6 41 f4      brbc   LAB_code_10af,Zflg
code:10a7 20 91 1a 02 lds     R18,DAT_mem_021a      = ??
code:10a9 30 91 1b 02 lds     R19,DAT_mem_021b      = ??
code:10ab 30 93 ad 0b sts     DAT_mem_0bad,R19      = ??
code:10ad 20 93 ac 0b sts     DAT_mem_0bac,R18      = ??

LAB_code_10af
code:10af 20 91 18 02 lds     R18,DAT_mem_0218      XREF[1]:  code:10a6(j)
code:10b1 30 91 19 02 lds     R19,DAT_mem_0219      = ??
code:10b3 21 15      cp      R18,R1
code:10b4 31 05      cpc     R19,R1
code:10b5 41 f4      brbc   LAB_code_10be,Zflg
code:10b6 2d b7      in      R18,SPL
code:10b7 3e b7      in      R19,SPH
code:10b8 40 91 1c 02 lds     R20,DAT_mem_021c      = ??
code:10ba 50 91 1d 02 lds     R21,DAT_mem_021d      = ??
code:10bc 24 1b      sub     R18,R20

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GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:10bd 35 0b      sbc          R19,R21

LAB_code_10be
code:10be e0 91 ac 0b  lds          Z10,DAT_mem_0bac
code:10c0 f0 91 ad 0b  lds          Zhi,DAT_mem_0bad
code:10c2 e2 17       cp          Z10,R18
code:10c3 f3 07       cpc          Zhi,R19
code:10c4 a0 f4       brbc       LAB_code_10d9,Cflg
code:10c5 2e 1b       sub          R18,Z10
code:10c6 3f 0b       sbc          R19,Zhi
code:10c7 28 17       cp          R18,R24
code:10c8 39 07       cpc          R19,R25
code:10c9 78 f0       brbs       LAB_code_10d9,Cflg
code:10ca ac 01       movw       R21R20,R25R24
code:10cb 4e 5f       subi       R20,0xfe
code:10cc 5f 4f       sbci       R21,0xff
code:10cd 24 17       cp          R18,R20
code:10ce 35 07       cpc          R19,R21
code:10cf 48 f0       brbs       LAB_code_10d9,Cflg
code:10d0 4e 0f       add          R20,Z10
code:10d1 5f 1f       adc          R21,Zhi
code:10d2 50 93 ad 0b  sts          DAT_mem_0bad,R21
code:10d4 40 93 ac 0b  sts          DAT_mem_0bac,R20
code:10d6 81 93       st          Z+,R24
code:10d7 91 93       st          Z+,R25
code:10d8 9f cf       rjmp       LAB_code_1078

LAB_code_10d9
code:10d9 f0 e0       ldi          Zhi,0x0
code:10da e0 e0       ldi          Z10,0x0
code:10db 9c cf       rjmp       LAB_code_1078

*****
*                               *
*                               *
*****
undefined FUN_code_10dc()
undefined R24:1 <RETURN>
FUN_code_10dc
code:10dc cf 93       push        Y10
code:10dd df 93       push        Yhi
code:10de 00 97       sbiw       R25R24,0x0
code:10df e9 f0       brbs       LAB_code_10fd,Zflg
code:10e0 fc 01       movw       Z,R25R24
code:10e1 32 97       sbiw       Z,0x2
code:10e2 13 82       std        Z+0x3,R1
code:10e3 12 82       std        Z+0x2,R1
code:10e4 a0 91 ae 0b  lds          X10,DAT_mem_0bae
code:10e6 b0 91 af 0b  lds          Xhi,DAT_mem_0baf
code:10e8 ed 01       movw       Y,X
code:10e9 30 e0       ldi          R19,0x0
code:10ea 20 e0       ldi          R18,0x0
code:10eb 10 97       sbiw       X,0x0
code:10ec a1 f4       brbc       LAB_code_1101,Zflg
code:10ed 20 81       ld         R18,Z
code:10ee 31 81       ldd        R19,Z+0x1
code:10ef 82 0f       add        R24,R18
code:10f0 93 1f       adc        R25,R19
code:10f1 20 91 ac 0b  lds          R18,DAT_mem_0bac
code:10f3 30 91 ad 0b  lds          R19,DAT_mem_0bad
code:10f5 28 17       cp          R18,R24
code:10f6 39 07       cpc          R19,R25
code:10f7 09 f0       brbs       LAB_code_10f9,Zflg
code:10f8 61 c0       rjmp       LAB_code_115a

LAB_code_10f9
code:10f9 f0 93 ad 0b  sts          DAT_mem_0bad,Zhi
code:10fb e0 93 ac 0b  sts          DAT_mem_0bac,Z10

LAB_code_10fd
code:10fd df 91       pop        Yhi
code:10fe cf 91       pop        Y10
code:10ff 08 95       ret

LAB_code_1100
code:1100 ea 01       movw       Y,R21R20

LAB_code_1101
code:1101 ce 17       cp          Y10,Z10
code:1102 df 07       cpc          Yhi,Zhi
code:1103 e8 f5       brbc       LAB_code_1141,Cflg
code:1104 4a 81       ldd        R20,Y+0x2

```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:1105 5b 81      ldd      R21,Y+0x3
code:1106 9e 01      movw    R19R18,Y
code:1107 41 15      cp      R20,R1
code:1108 51 05      cpc     R21,R1
code:1109 b1 f7      brbc    LAB_code_1100,Zflg

LAB_code_110a
code:110a e9 01      movw    Y,R19R18
code:110b fb 83      std     Y+0x3,Zhi
code:110c ea 83      std     Y+0x2,Zlo
code:110d 49 91      ld      R20,Y+
code:110e 59 91      ld      R21,Y+
code:110f c4 0f      add     Ylo,R20
code:1110 d5 1f      adc     Yhi,R21
code:1111 ec 17      cp      Zlo,Ylo
code:1112 fd 07      cpc     Zhi,Yhi
code:1113 61 f4      brbc    LAB_code_1120,Zflg
code:1114 80 81      ld      R24,Z
code:1115 91 81      ldd     R25,Z+0x1
code:1116 02 96      adiw   R25R24,0x2
code:1117 84 0f      add     R24,R20
code:1118 95 1f      adc     R25,R21
code:1119 e9 01      movw    Y,R19R18
code:111a 99 83      std     Y+0x1,R25
code:111b 88 83      st      Y,R24
code:111c 82 81      ldd     R24,Z+0x2
code:111d 93 81      ldd     R25,Z+0x3
code:111e 9b 83      std     Y+0x3,R25
code:111f 8a 83      std     Y+0x2,R24

LAB_code_1120
code:1120 f0 e0      ldi     Zhi,0x0
code:1121 e0 e0      ldi     Zlo,0x0

LAB_code_1122
code:1122 12 96      adiw   X,0x2
code:1123 8d 91      ld      R24,X+
code:1124 9c 91      ld      R25,X
code:1125 13 97      sbiw   X,0x3
code:1126 00 97      sbiw   R25R24,0x0
code:1127 b9 f5      brbc    LAB_code_115f,Zflg
code:1128 2d 91      ld      R18,X+
code:1129 3c 91      ld      R19,X
code:112a 11 97      sbiw   X,0x1
code:112b cd 01      movw   R25R24,X
code:112c 02 96      adiw   R25R24,0x2
code:112d 82 0f      add     R24,R18
code:112e 93 1f      adc     R25,R19
code:112f 20 91 ac 0b lds     R18,DAT_mem_0bac      = ??
code:1131 30 91 ad 0b lds     R19,DAT_mem_0bad      = ??
code:1133 28 17      cp      R18,R24
code:1134 39 07      cpc     R19,R25
code:1135 39 f6      brbc    LAB_code_10fd,Zflg
code:1136 30 97      sbiw   Z,0x0
code:1137 51 f5      brbc    LAB_code_1162,Zflg
code:1138 10 92 af 0b sts     DAT_mem_0baf,R1      = ??
code:113a 10 92 ae 0b sts     DAT_mem_0bae,R1      = ??

LAB_code_113c
code:113c b0 93 ad 0b sts     DAT_mem_0bad,Xhi      = ??
code:113e a0 93 ac 0b sts     DAT_mem_0bae,Xlo      = ??
code:1140 bc cf      rjmp   LAB_code_10fd

LAB_code_1141
code:1141 d3 83      std     Z+0x3,Yhi
code:1142 c2 83      std     Z+0x2,Ylo
code:1143 40 81      ld      R20,Z
code:1144 51 81      ldd     R21,Z+0x1
code:1145 84 0f      add     R24,R20
code:1146 95 1f      adc     R25,R21
code:1147 c8 17      cp      Ylo,R24
code:1148 d9 07      cpc     Yhi,R25
code:1149 61 f4      brbc    LAB_code_1156,Zflg
code:114a 4e 5f      subi   R20,0xfe
code:114b 5f 4f      sbci   R21,0xff
code:114c 88 81      ld      R24,Y
code:114d 99 81      ldd     R25,Y+0x1
code:114e 48 0f      add     R20,R24
code:114f 59 1f      adc     R21,R25
code:1150 51 83      std     Z+0x1,R21
code:1151 40 83      st      Z,R20
code:1152 8a 81      ldd     R24,Y+0x2
code:1153 9b 81      ldd     R25,Y+0x3
code:1154 93 83      std     Z+0x3,R25
code:1155 82 83      std     Z+0x2,R24

XREF [1]: code:1159(j)
XREF [1]: code:1113(j)
XREF [1]: code:1161(j)
XREF [1]: code:1164(j)
XREF [1]: code:1103(j)

```


GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

LAB_code_1156                                XREF[1]:  code:1149(j)
code:1156 21 15      cp      R18,R1
code:1157 31 05      cpc      R19,R1
code:1158 09 f0      brbc     LAB_code_115a,Zflg
code:1159 b0 cf      rjmp     LAB_code_110a

LAB_code_115a                                XREF[2]:  code:10f8(j), code:1158(j)
code:115a f0 93 af 0b  sts     DAT_mem_0baf,Zhi
code:115c e0 93 ae 0b  sts     DAT_mem_0bae,Zlo
code:115e 9e cf      rjmp     LAB_code_10fd

LAB_code_115f                                XREF[1]:  code:1127(j)
code:115f fd 01      movw    Z,X
code:1160 dc 01      movw    X,R25R24
code:1161 c0 cf      rjmp     LAB_code_1122

LAB_code_1162                                XREF[1]:  code:1137(j)
code:1162 13 82      std     Z+0x3,R1
code:1163 12 82      std     Z+0x2,R1
code:1164 d7 cf      rjmp     LAB_code_113c

*****
*                               *
*****
undefined FUN_code_1165()
R24:1      <RETURN>
undefined FUN_code_1165                                XREF[1]:  FUN_code_0716:072d(c)
code:1165 4f 92      push    R4
code:1166 5f 92      push    R5
code:1167 6f 92      push    R6
code:1168 7f 92      push    R7
code:1169 8f 92      push    R8
code:116a 9f 92      push    R9
code:116b af 92      push    R10
code:116c bf 92      push    R11
code:116d cf 92      push    R12
code:116e df 92      push    R13
code:116f ef 92      push    R14
code:1170 ff 92      push    R15
code:1171 0f 93      push    R16
code:1172 1f 93      push    R17
code:1173 cf 93      push    Ylo
code:1174 df 93      push    Yhi
code:1175 8c 01      movw    R17R16,R25R24
code:1176 00 97      sbiw    R25R24,0x0
code:1177 99 f4      brbc     LAB_code_118b,Zflg
code:1178 cb 01      movw    R25R24,R23R22
code:1179 df 91      pop     Yhi
code:117a cf 91      pop     Ylo
code:117b 1f 91      pop     R17
code:117c 0f 91      pop     R16
code:117d ff 90      pop     R15
code:117e ef 90      pop     R14
code:117f df 90      pop     R13
code:1180 cf 90      pop     R12
code:1181 bf 90      pop     R11
code:1182 af 90      pop     R10
code:1183 9f 90      pop     R9
code:1184 8f 90      pop     R8
code:1185 7f 90      pop     R7
code:1186 6f 90      pop     R6
code:1187 5f 90      pop     R5
code:1188 4f 90      pop     R4
code:1189 0c 94 40 10 jmp     FUN_code_1040      undefined FUN_code_1040()
-- Flow Override: CALL_RETURN (CALL_TERMINATOR)

LAB_code_118b                                XREF[1]:  code:1177(j)
code:118b fc 01      movw    Z,R25R24
code:118c e6 0f      add     Zlo,R22
code:118d f7 1f      adc     Zhi,R23
code:118e 9c 01      movw    R19R18,R25R24
code:118f 22 50      subi    R18,0x2
code:1190 31 09      sbc     R19,R1
code:1191 e2 17      cp      Zlo,R18
code:1192 f3 07      cpc     Zhi,R19
code:1193 08 f4      brbc     LAB_code_1195,Cflg
code:1194 ae c0      rjmp     LAB_code_1243

LAB_code_1195                                XREF[1]:  code:1193(j)
code:1195 d9 01      movw    X,R19R18
code:1196 cd 91      ld     Ylo,X+
code:1197 dc 91      ld     Yhi,X
code:1198 11 97      sbiw    X,0x1
code:1199 c6 17      cp      Ylo,R22
code:119a d7 07      cpc     Yhi,R23

```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:119b 20 f1      brbs    LAB_code_11c0,Cflg
code:119c c5 30      cpi     Y1o,0x5
code:119d d1 05      cpc     Yhi,R1
code:119e 78 f0      brbs    LAB_code_11ae,Cflg
code:119f ce 01      movw   R25R24,Y
code:11a0 04 97      sbiw   R25R24,0x4
code:11a1 86 17      cp     R24,R22
code:11a2 97 07      cpc     R25,R23
code:11a3 50 f0      brbs    LAB_code_11ae,Cflg
code:11a4 c6 1b      sub    Y1o,R22
code:11a5 d7 0b      sbc     Yhi,R23
code:11a6 22 97      sbiw   Y,0x2
code:11a7 c1 93      st     Z+,Y1o
code:11a8 d1 93      st     Z+,Yhi
code:11a9 6d 93      st     X+,R22
code:11aa 7c 93      st     X,R23
code:11ab cf 01      movw   R25R24,Z
code:11ac 0e 94 dc 10 call    FUN_code_10dc          undefinedFUN_code_10dc()

LAB_code_11ae                                XREF [7]:    code:119e(j), code:11a3(j),
code:11ae c8 01      movw   R25R24,R17R16          code:11f5(j), code:121f(j),
code:11af df 91      pop    Yhi                    code:122c(j), code:1242(j),
code:11b0 cf 91      pop    Y1o                    code:1245(j)
code:11b1 1f 91      pop    R17
code:11b2 0f 91      pop    R16
code:11b3 ff 90      pop    R15
code:11b4 ef 90      pop    R14
code:11b5 df 90      pop    R13
code:11b6 cf 90      pop    R12
code:11b7 bf 90      pop    R11
code:11b8 af 90      pop    R10
code:11b9 9f 90      pop    R9
code:11ba 8f 90      pop    R8
code:11bb 7f 90      pop    R7
code:11bc 6f 90      pop    R6
code:11bd 5f 90      pop    R5
code:11be 4f 90      pop    R4
code:11bf 08 95      ret

LAB_code_11c0                                XREF [1]:    code:119b(j)
code:11c0 5b 01      movw   R11R10,R23R22
code:11c1 ac 1a      sub    R10,Y1o
code:11c2 bd 0a      sbc     R11,Yhi
code:11c3 4c 01      movw   R9R8,R25R24
code:11c4 8c 0e      add    R8,Y1o
code:11c5 9d 1e      adc    R9,Yhi
code:11c6 a0 91 ae 0b lds    X1o,DAT_mem_0bae      = ??
code:11c8 b0 91 af 0b lds    Xhi,DAT_mem_0baf      = ??
code:11ca 51 2c      mov    R5,R1
code:11cb 41 2c      mov    R4,R1
code:11cc f1 2c      mov    R15,R1
code:11cd e1 2c      mov    R14,R1

LAB_code_11ce                                XREF [1]:    code:1233(j)
code:11ce 10 97      sbiw   X,0x0
code:11cf 31 f5      brbc   LAB_code_11f6,Zflg
code:11d0 80 91 ac 0b lds    R24,DAT_mem_0bac      = ??
code:11d2 90 91 ad 0b lds    R25,DAT_mem_0bad      = ??
code:11d4 88 15      cp     R24,R8
code:11d5 99 05      cpc     R25,R9
code:11d6 09 f0      brbs   LAB_code_11d8,Zflg
code:11d7 5c c0      rjmp   LAB_code_1234

LAB_code_11d8                                XREF [1]:    code:11d6(j)
code:11d8 46 16      cp     R4,R22
code:11d9 57 06      cpc     R5,R23
code:11da 08 f0      brbs   LAB_code_11dc,Cflg
code:11db 58 c0      rjmp   LAB_code_1234

LAB_code_11dc                                XREF [1]:    code:11da(j)
code:11dc 80 91 18 02 lds    R24,DAT_mem_0218      = ??
code:11de 90 91 19 02 lds    R25,DAT_mem_0219      = ??
code:11e0 00 97      sbiw   R25R24,0x0
code:11e1 41 f4      brbc   LAB_code_11ea,Zflg
code:11e2 8d b7      in     R24,SP1
code:11e3 9e b7      in     R25,SPH
code:11e4 40 91 1c 02 lds    R20,DAT_mem_021c      = ??
code:11e6 50 91 1d 02 lds    R21,DAT_mem_021d      = ??
code:11e8 84 1b      sub    R24,R20
code:11e9 95 0b      sbc     R25,R21

LAB_code_11ea                                XREF [1]:    code:11e1(j)
code:11ea e8 17      cp     Z1o,R24

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GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:11eb f9 07      cpc      Zhi,R25
code:11ec 08 f0      brbs    LAB_code_11ee,Cflg
code:11ed 55 c0      rjmp   LAB_code_1243

LAB_code_11ee
code:11ee f0 93 ad 0b  sts    DAT_mem_Obaq,Zhi
code:11f0 e0 93 ac 0b  sts    DAT_mem_Obaq,Zlo
code:11f2 f9 01      movw   Z,R19R18
code:11f3 71 83      std    Z+0x1,R23
code:11f4 60 83      st     Z,R22
code:11f5 b8 cf      rjmp   LAB_code_11ae

LAB_code_11f6
code:11f6 8d 91      ld     R24,X+
code:11f7 9c 91      ld     R25,X
code:11f8 11 97      sbiw  X,0x1
code:11f9 12 96      adiw  X,0x2
code:11fa 6c 90      ld     R6,X
code:11fb 12 97      sbiw  X,0x2
code:11fc 13 96      adiw  X,0x3
code:11fd 7c 90      ld     R7,X
code:11fe 13 97      sbiw  X,0x3
code:11ff a8 15      cp    Xlo,R8
code:1200 b9 05      cpc   Xhi,R9
code:1201 59 f5      brbc  LAB_code_122d,Zflg
code:1202 6c 01      movw  R13R12,R25R24
code:1203 42 e0      ldi   R20,0x2
code:1204 c4 0e      add   R12,R20
code:1205 d1 1c      adc   R13,R1
code:1206 ca 14      cp    R12,R10
code:1207 db 04      cpc   R13,R11
code:1208 20 f1      brbs  LAB_code_122d,Cflg
code:1209 ac 01      movw  R21R20,R25R24
code:120a 4a 19      sub   R20,R10
code:120b 5b 09      sbc   R21,R11
code:120c da 01      movw  X,R21R20
code:120d 12 96      adiw  X,0x2
code:120e 15 97      sbiw  X,0x5
code:120f 80 f0      brbs  LAB_code_1220,Cflg
code:1210 62 82      std   Z+0x2,R6
code:1211 73 82      std   Z+0x3,R7
code:1212 51 83      std   Z+0x1,R21
code:1213 40 83      st    Z,R20
code:1214 d9 01      movw  X,R19R18
code:1215 6d 93      st    X,R22
code:1216 7c 93      st    X,R23

LAB_code_1217
code:1217 e1 14      cp    R14,R1
code:1218 f1 04      cpc   R15,R1
code:1219 71 f0      brbs  LAB_code_1228,Zflg
code:121a d7 01      movw  X,R15R14
code:121b 13 96      adiw  X,0x3
code:121c fc 93      st    X,Zhi
code:121d ee 93      st    -X,Zlo
code:121e 12 97      sbiw  X,0x2
code:121f 8e cf      rjmp  LAB_code_11ae

LAB_code_1220
code:1220 22 96      adiw  Y,0x2
code:1221 8c 0f      add   R24,Ylo
code:1222 9d 1f      adc   R25,Yhi
code:1223 f9 01      movw  Z,R19R18
code:1224 91 83      std   Z+0x1,R25
code:1225 80 83      st    Z,R24
code:1226 f3 01      movw  Z,R7R6
code:1227 ef cf      rjmp  LAB_code_1217

LAB_code_1228
code:1228 f0 93 af 0b  sts    DAT_mem_Obaf,Zhi
code:122a e0 93 ae 0b  sts    DAT_mem_Obae,Zlo
code:122c 81 cf      rjmp  LAB_code_11ae

LAB_code_122d
code:122d 48 16      cp    R4,R24
code:122e 59 06      cpc   R5,R25
code:122f 08 f4      brbc  LAB_code_1231,Cflg
code:1230 2c 01      movw  R5R4,R25R24

LAB_code_1231
code:1231 7d 01      movw  R15R14,X
code:1232 d3 01      movw  X,R7R6
code:1233 9a cf      rjmp  LAB_code_11ce

LAB_code_1234
code:1234 cb 01      movw  R25R24,R23R22

```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:1235 0e 94 40 10    call    FUN_code_1040                                undefinedFUN_code_1040()
code:1237 7c 01         movw   R15R14,R25R24
code:1238 00 97         sbiw  R25R24,0x0
code:1239 49 f0         brbs  LAB_code_1243,Zf1g
code:123a ae 01         movw  R21R20,Y
code:123b b8 01         movw  R23R22,R17R16
code:123c 0e 94 53 12    call  FUN_code_1253                                undefinedFUN_code_1253()
code:123e c8 01         movw  R25R24,R17R16
code:123f 0e 94 dc 10    call  FUN_code_10dc                                undefinedFUN_code_10dc()
code:1241 87 01         movw  R17R16,R15R14
code:1242 6b cf         rjmp  LAB_code_11ae

LAB_code_1243                                XREF[3]:  code:1194(j), code:11ed(j),
                                                code:1239(j)

code:1243 10 e0         ldi   R17,0x0
code:1244 00 e0         ldi   R16,0x0
code:1245 68 cf         rjmp  LAB_code_11ae
code:1246 81          ??    81h
code:1246.1 e0        ??    E0h
code:1247 90          ??    90h
code:1247.1 e0        ??    E0h
code:1248 f8          ??    F8h
code:1248.1 94        ??    94h
code:1249 0c          ??    0Ch
code:1249.1 94        ??    94h
code:124a 63          ??    63h    c
code:124a.1 12        ??    12h

*****
*                               FUNCTION                               *
*****
undefined FUN_code_124b()
R24:1    <RETURN>
undefined FUN_code_124b                                XREF[1]:  FUN_code_0ae1:0c0d(c)
code:124b 91 11         cpse  R25,R1
code:124c 08 95         ret
code:124d 81 56         subi  R24,0x61
code:124e 8a 51         subi  R24,0x1a
code:124f 08 f4         brbc  LAB_code_1251,Cf1g
code:1250 80 52         subi  R24,0x20

LAB_code_1251                                XREF[1]:  code:124f(j)
code:1251 85 58         subi  R24,0x85
code:1252 08 95         ret

*****
*                               FUNCTION                               *
*****
undefined FUN_code_1253()
R24:1    <RETURN>
undefined FUN_code_1253                                XREF[1]:  FUN_code_1165:123c(c)
code:1253 fb 01         movw  Z,R23R22
code:1254 dc 01         movw  X,R25R24
code:1255 02 c0         rjmp  LAB_code_1258

LAB_code_1256                                XREF[1]:  code:125a(j)
code:1256 01 90         ld    R0,Z+
code:1257 0d 92         st    X+,R0

LAB_code_1258                                XREF[1]:  code:1255(j)
code:1258 41 50         subi  R20,0x1
code:1259 50 40         sbci  R21,0x0
code:125a d8 f7         brbc  LAB_code_1256,Cf1g
code:125b 08 95         ret

*****
*                               FUNCTION                               *
*****
undefined FUN_code_125c()
R24:1    <RETURN>
undefined FUN_code_125c                                XREF[2]:  FUN_code_0750:076e(c),
                                                FUN_code_0ae1:0be9(c)
code:125c fb 01         movw  Z,R23R22
code:125d dc 01         movw  X,R25R24

LAB_code_125e                                XREF[1]:  code:1261(j)
code:125e 01 90         ld    R0,Z+
code:125f 0d 92         st    X+,R0
code:1260 00 20         and  R0,R0
code:1261 e1 f7         brbc  LAB_code_125e,Zf1g
code:1262 08 95         ret

```

Ghidra RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

*****
*                               *
*                               *
*****
undefined FUN_code_1263()
undefined R24:l <RETURN>
FUN_code_1263 XREF [1]: FUN_code_017c:01ab(c)
code:1263 11 e0 ldi R17,0x1
code:1264 cb e7 ldi Y10,0x7b
code:1265 d1 e0 ldi Y11,0x1
code:1266 00 e0 ldi R16,0x0
code:1267 06 c0 rjmp LAB_code_126e
LAB_code_1268 XREF [1]: code:1272(j)
code:1268 80 2f mov R24,R16
code:1269 fe 01 movw Z,Y
code:126a 0e 94 38 10 call FUN_code_1038 undefined FUN_code_1038 ()
code:126c 21 96 adiw Y,0x1
code:126d 01 1d adc R16,R1
LAB_code_126e XREF [1]: code:1267(j)
code:126e cc 37 cpi Y10,0x7c
code:126f d1 07 cpc Y11,R17
code:1270 80 e0 ldi R24,0x0
code:1271 08 07 cpc R16,R24
code:1272 a9 f7 brbc LAB_code_1268,zflg
code:1273 f8 94 cli
LAB_code_1274 XREF [1]: code:1274(j)
code:1274 ff cf rjmp LAB_code_1274
code:1275 09 ?? 09h
code:1275.1 00 ?? 00h
code:1276 ff ?? FFh
code:1276.1 ff ?? FFh
code:1277 ff ?? FFh
code:1277.1 ff ?? FFh
code:1278 ff ?? FFh
code:1278.1 ff ?? FFh
code:1279 ff ?? FFh
code:1279.1 ff ?? FFh
code:127a ff ?? FFh
code:127a.1 ff ?? FFh
code:127b ff ?? FFh
code:127b.1 ff ?? FFh
code:127c 33 ?? 33h 3
code:127c.1 2e ?? 2Eh .
code:127d 32 ?? 32h 2
code:127d.1 2e ?? 2Eh .
code:127e 34 ?? 34h 4
code:127e.1 00 ?? 00h
code:127f ff ?? FFh
code:127f.1 ff ?? FFh
code:1280 ff ?? FFh
code:1280.1 ff ?? FFh
code:1281 00 ?? 00h
code:1281.1 00 ?? 00h
code:1282 b0 ?? B0h
code:1282.1 0b ?? 0Bh
code:1283 80 ?? 80h
code:1283.1 00 ?? 00h
code:1284 09 ?? 09h
code:1284.1 00 ?? 00h
code:1285 0a ?? 0Ah
code:1285.1 00 ?? 00h
code:1286 0b ?? 0Bh
code:1286.1 00 ?? 00h
code:1287 08 ?? 08h
code:1287.1 00 ?? 00h
code:1288 10 ?? 10h
code:1288.1 00 ?? 00h
code:1289 0f ?? 0Fh
code:1289.1 00 ?? 00h
code:128a 0c ?? 0Ch
code:128a.1 00 ?? 00h
code:128b 0d ?? 0Dh
code:128b.1 00 ?? 00h
code:128c 0e ?? 0Eh
code:128c.1 00 ?? 00h
code:128d 00 ?? 00h
code:128d.1 00 ?? 00h
code:128e 4b ?? 4Bh K
code:128e.1 05 ?? 05h
code:128f 01 ?? 01h
code:128f.1 00 ?? 00h
code:1290 54 ?? 54h T
code:1290.1 05 ?? 05h

```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:1291 02      ??      02h
code:1291.1 00    ??      00h
code:1292 5c      ??      5Ch   \
code:1292.1 05    ??      05h
code:1293 03      ??      03h
code:1293.1 00    ??      00h
code:1294 65      ??      65h   e
code:1294.1 05    ??      05h
code:1295 04      ??      04h
code:1295.1 00    ??      00h
code:1296 6d      ??      6Dh   m
code:1296.1 05    ??      05h
code:1297 05      ??      05h
code:1297.1 00    ??      00h
code:1298 76      ??      76h   v
code:1298.1 05    ??      05h
code:1299 06      ??      06h
code:1299.1 00    ??      00h
code:129a 7f      ??      7Fh
code:129a.1 05    ??      05h
code:129b 07      ??      07h
code:129b.1 00    ??      00h
code:129c 87      ??      87h
code:129c.1 05    ??      05h
code:129d 08      ??      08h
code:129d.1 00    ??      00h
code:129e 90      ??      90h
code:129e.1 05    ??      05h
code:129f 09      ??      09h
code:129f.1 00    ??      00h
code:12a0 99      ??      99h
code:12a0.1 05    ??      05h
code:12a1 0a      ??      0Ah
code:12a1.1 00    ??      00h
code:12a2 a7      ??      A7h
code:12a2.1 05    ??      05h
code:12a3 0b      ??      0Bh
code:12a3.1 00    ??      00h
code:12a4 af      ??      AFh
code:12a4.1 05    ??      05h
code:12a5 0c      ??      0Ch
code:12a5.1 00    ??      00h
code:12a6 b7      ??      B7h
code:12a6.1 05    ??      05h
code:12a7 0d      ??      0Dh
code:12a7.1 00    ??      00h
code:12a8 c2      ??      C2h
code:12a8.1 05    ??      05h
code:12a9 0e      ??      0Eh
code:12a9.1 00    ??      00h
code:12aa ca      ??      CAh
code:12aa.1 05    ??      05h
code:12ab 0f      ??      0Fh
code:12ab.1 00    ??      00h
code:12ac d3      ??      D3h
code:12ac.1 05    ??      05h
code:12ad 00      ??      00h
code:12ad.1 00    ??      00h
code:12ae dc      ??      DCh
code:12ae.1 05    ??      05h
code:12af 01      ??      01h
code:12af.1 00    ??      00h
code:12b0 e8      ??      E8h
code:12b0.1 05    ??      05h
code:12b1 02      ??      02h
code:12b1.1 00    ??      00h
code:12b2 f3      ??      F3h
code:12b2.1 05    ??      05h
code:12b3 03      ??      03h
code:12b3.1 00    ??      00h
code:12b4 fe      ??      FEh
code:12b4.1 05    ??      05h
code:12b5 04      ??      04h
code:12b5.1 00    ??      00h
code:12b6 0b      ??      0Bh
code:12b6.1 06    ??      06h
code:12b7 05      ??      05h
code:12b7.1 00    ??      00h
code:12b8 17      ??      17h
code:12b8.1 06    ??      06h
code:12b9 06      ??      06h
code:12b9.1 00    ??      00h
code:12ba 23      ??      23h   #
code:12ba.1 06    ??      06h
code:12bb 07      ??      07h
code:12bb.1 00    ??      00h

```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:12bc 2f      ??      2Fh  /
code:12bc.1 06    ??      06h
code:12bd 08      ??      08h
code:12bd.1 00    ??      00h
code:12be 3a      ??      3Ah  :
code:12be.1 06    ??      06h
code:12bf 09      ??      09h
code:12bf.1 00    ??      00h
code:12c0 45      ??      45h  E
code:12c0.1 06    ??      06h
code:12c1 0a      ??      0Ah
code:12c1.1 00    ??      00h
code:12c2 50      ??      50h  P
code:12c2.1 06    ??      06h
code:12c3 0b      ??      0Bh
code:12c3.1 00    ??      00h
code:12c4 5b      ??      5Bh  [
code:12c4.1 06    ??      06h
code:12c5 0c      ??      0Ch
code:12c5.1 00    ??      00h
code:12c6 66      ??      66h  f
code:12c6.1 06    ??      06h
code:12c7 0d      ??      0Dh
code:12c7.1 00    ??      00h
code:12c8 72      ??      72h  r
code:12c8.1 06    ??      06h
code:12c9 0e      ??      0Eh
code:12c9.1 00    ??      00h
code:12ca 7e      ??      7Eh  ~
code:12ca.1 06    ??      06h
code:12cb 15      ??      15h
code:12cb.1 00    ??      00h
code:12cc 8a      ??      8Ah
code:12cc.1 06    ??      06h
code:12cd 1c      ??      1Ch
code:12cd.1 00    ??      00h
code:12ce 95      ??      95h
code:12ce.1 06    ??      06h
code:12cf 13      ??      13h
code:12cf.1 00    ??      00h
code:12d0 a3      ??      A3h
code:12d0.1 06    ??      06h
code:12d1 14      ??      14h
code:12d1.1 00    ??      00h
code:12d2 ae      ??      AEh
code:12d2.1 06    ??      06h
code:12d3 1a      ??      1Ah
code:12d3.1 00    ??      00h
code:12d4 bb      ??      BBh
code:12d4.1 06    ??      06h
code:12d5 11      ??      11h
code:12d5.1 00    ??      00h
code:12d6 c8      ??      C8h
code:12d6.1 06    ??      06h
code:12d7 1b      ??      1Bh
code:12d7.1 00    ??      00h
code:12d8 d4      ??      D4h
code:12d8.1 06    ??      06h
code:12d9 12      ??      12h
code:12d9.1 00    ??      00h
code:12da dc      ??      DCh
code:12da.1 06    ??      06h
code:12db 36      ??      36h  6
code:12db.1 00    ??      00h
code:12dc e9      ??      E9h
code:12dc.1 06    ??      06h
code:12dd 3c      ??      3Ch  <
code:12dd.1 00    ??      00h
code:12de f0      ??      F0h
code:12de.1 06    ??      06h
code:12df 37      ??      37h  7
code:12df.1 00    ??      00h
code:12e0 f7      ??      F7h
code:12e0.1 06    ??      06h
code:12e1 3d      ??      3Dh  =
code:12e1.1 00    ??      00h
code:12e2 ff      ??      FFh
code:12e2.1 06    ??      06h
code:12e3 38      ??      38h  8
code:12e3.1 00    ??      00h
code:12e4 07      ??      07h
code:12e4.1 07    ??      07h
code:12e5 3e      ??      3Eh  >
code:12e5.1 00    ??      00h
code:12e6 0f      ??      0Fh
code:12e6.1 07    ??      07h

```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:12e7 39      ??      39h  9
code:12e7.1 00    ??      00h
code:12e8 18      ??      18h
code:12e8.1 07    ??      07h
code:12e9 3f      ??      3Fh  ?
code:12e9.1 00    ??      00h
code:12ea 20      ??      20h
code:12ea.1 07    ??      07h
code:12eb 3a      ??      3Ah  :
code:12eb.1 00    ??      00h
code:12ec 27      ??      27h  '
code:12ec.1 07    ??      07h
code:12ed 40      ??      40h  @
code:12ed.1 00    ??      00h
code:12ee 2e      ??      2Eh  .
code:12ee.1 07    ??      07h
code:12ef 3b      ??      3Bh  ;
code:12ef.1 00    ??      00h
code:12f0 3a      ??      3Ah  :
code:12f0.1 07    ??      07h
code:12f1 41      ??      41h  A
code:12f1.1 00    ??      00h
code:12f2 42      ??      42h  B
code:12f2.1 07    ??      07h
code:12f3 42      ??      42h  B
code:12f3.1 00    ??      00h
code:12f4 4e      ??      4Eh  N
code:12f4.1 07    ??      07h
code:12f5 43      ??      43h  C
code:12f5.1 00    ??      00h
code:12f6 59      ??      59h  Y
code:12f6.1 07    ??      07h
code:12f7 44      ??      44h  D
code:12f7.1 00    ??      00h
code:12f8 64      ??      64h  d
code:12f8.1 07    ??      07h
code:12f9 45      ??      45h  E
code:12f9.1 00    ??      00h
code:12fa 6f      ??      6Fh  o
code:12fa.1 07    ??      07h
code:12fb 00      ??      00h
code:12fb.1 00    ??      00h
code:12fc 00      ??      00h
code:12fc.1 00    ??      00h
code:12fd 34      ??      34h  4
code:12fd.1 04    ??      04h
code:12fe 00      ??      00h
code:12fe.1 00    ??      00h
code:12ff 00      ??      00h
code:12ff.1 00    ??      00h
code:1300 4f      ??      4Fh  O
code:1300.1 02    ??      02h
code:1301 af      ??      AFh
code:1301.1 01    ??      01h
code:1302 e6      ??      E6h
code:1302.1 01    ??      01h
code:1303 b7      ??      B7h
code:1303.1 02    ??      02h
code:1304 17      ??      17h
code:1304.1 02    ??      02h
code:1305 f5      ??      F5h
code:1305.1 01    ??      01h
code:1306 09      ??      09h
code:1306.1 02    ??      02h
code:1307 00      ??      00h
code:1307.1 00    ??      00h
code:1308 00      ??      00h
code:1308.1 00    ??      00h
code:1309 14      ??      14h
code:1309.1 07    ??      07h
code:130a 00      ??      00h
code:130a.1 00    ??      00h
code:130b 00      ??      00h
code:130b.1 00    ??      00h
code:130c b1      ??      B1h
code:130c.1 04    ??      04h
code:130d ad      ??      ADh
code:130d.1 04    ??      04h
code:130e 52 65 61  ds      "RealSimGear-G1000XFD"
6c 53 69
6d 47 65 ...
code:1318.1 45 4e 43  ds      "ENC_ALT_OUTER_UP"
5f 41 4c
54 5f 4f ...

```


GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:1321 45 4e 43      ds      "ENC_ALT_OUTER_DN"
          5f 41 4c
          54 5f 4f ...
code:1329.1 45 4e 43      ds      "ENC_ALT_INNER_UP"
          5f 41 4c
          54 5f 49 ...
code:1332 45 4e 43      ds      "ENC_ALT_INNER_DN"
          5f 41 4c
          54 5f 49 ...
code:133a.1 45 4e 43      ds      "ENC_NAV_INNER_UP"
          5f 4e 41
          56 5f 49 ...
code:1343 45 4e 43      ds      "ENC_NAV_INNER_DN"
          5f 4e 41
          56 5f 49 ...
code:134b.1 45 4e 43      ds      "ENC_NAV_OUTER_UP"
          5f 4e 41
          56 5f 4f ...
code:1354 45 4e 43      ds      "ENC_NAV_OUTER_DN"
          5f 4e 41
          56 5f 4f ...
code:135c.1 45          ??      45h   E
code:135d 4e          ??      4Eh   N
code:135d.1 43          ??      43h   C
code:135e 5f          ??      5Fh   -
code:135e.1 48          ??      48h   H
code:135f 44          ??      44h   D
code:135f.1 47          ??      47h   G
code:1360 5f          ??      5Fh   -
code:1360.1 55          ??      55h   U
code:1361 50          ??      50h   P
code:1361.1 00          ??      00h
code:1362 45          ??      45h   E
code:1362.1 4e          ??      4Eh   N
code:1363 43          ??      43h   C
code:1363.1 5f          ??      5Fh   -
code:1364 48          ??      48h   H
code:1364.1 44          ??      44h   D
code:1365 47          ??      47h   G
code:1365.1 5f          ??      5Fh   -
code:1366 44          ??      44h   D
code:1366.1 4e          ??      4Eh   N
code:1367 00          ??      00h
code:1367.1 45 4e 43      ds      "ENC_RANGE_DN"
          5f 52 41
          4e 47 45 ...
code:136e 45 4e 43      ds      "ENC_RANGE_UP"
          5f 52 41
          4e 47 45 ...
code:1374.1 45 4e 43      ds      "ENC_COM_OUTER_UP"
          5f 43 4f
          4d 5f 4f ...
code:137d 45 4e 43      ds      "ENC_COM_OUTER_DN"
          5f 43 4f
          4d 5f 4f ...
code:1385.1 45 4e 43      ds      "ENC_COM_INNER_UP"
          5f 43 4f
          4d 5f 49 ...
code:138e 45 4e 43      ds      "ENC_COM_INNER_DN"
          5f 43 4f
          4d 5f 49 ...
code:1396.1 45 4e 43      ds      "ENC_CRS_UP"
          5f 43 52
          53 5f 55 ...
code:139c 45          ??      45h   E
code:139c.1 4e          ??      4Eh   N
code:139d 43          ??      43h   C
code:139d.1 5f          ??      5Fh   -
code:139e 43          ??      43h   C
code:139e.1 52          ??      52h   R
code:139f 53          ??      53h   S
code:139f.1 5f          ??      5Fh   -
code:13a0 44          ??      44h   D
code:13a0.1 4e          ??      4Eh   N
code:13a1 00          ??      00h
code:13a1.1 45 4e 43      ds      "ENC_BARO_UP"
          5f 42 41
          52 4f 5f ...
code:13a7.1 45 4e 43      ds      "ENC_BARO_DN"
          5f 42 41
          52 4f 5f ...
code:13ad.1 45 4e 43      ds      "ENC_FMS_OUTER_UP"
          5f 46 4d
          53 5f 4f ...

```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:13b6 45 4e 43      ds      "ENC_FMS_OUTER_DN"
           5f 46 4d
           53 5f 4f ...
code:13be.1 45 4e 43      ds      "ENC_FMS_INNER_UP"
           5f 46 4d
           53 5f 49 ...
code:13c7 45 4e 43      ds      "ENC_FMS_INNER_DN"
           5f 46 4d
           53 5f 49 ...
code:13cf.1 45 4e 43      ds      "ENC_NAV_VOL_DN"
           5f 4e 41
           56 5f 56 ...
code:13d7 45 4e 43      ds      "ENC_NAV_VOL_UP"
           5f 4e 41
           56 5f 56 ...
code:13de.1 45 4e 43      ds      "ENC_COM_VOL_DN"
           5f 43 4f
           4d 5f 56 ...
code:13e6 45 4e 43      ds      "ENC_COM_VOL_UP"
           5f 43 4f
           4d 5f 56 ...
code:13ed.1 37          ??      37h    7
code:13ee 35          ??      35h    5
code:13ee.1 36          ??      36h    6
code:13ef 45          ??      45h    E
code:13ef.1 36          ??      36h    6
code:13f0 42          ??      42h    B
code:13f0.1 37          ??      37h    7
code:13f1 37          ??      37h    7
code:13f1.1 36          ??      36h    6
code:13f2 39          ??      39h    9
code:13f2.1 39          ??      39h    9
code:13f3 39          ??      39h    9
code:13f3.1 39          ??      39h    9
code:13f4 00          ??      00h
code:13f4.1 52 65 61      ds      "RealSimGear-GPC500"
           6c 53 69
           6d 47 65 ...
code:13fe 45 4e 43      ds      "ENC_ALT_UP"
           5f 41 4c
           54 5f 55 ...
code:1403.1 45 4e 43      ds      "ENC_ALT_DN"
           5f 41 4c
           54 5f 44 ...
code:1409 52 65 61      ds      "RealSimGear-GCU"
           6c 53 69
           6d 47 65 ...
code:1411 52 65 61      ds      "RealSimGear-GCU479"
           6c 53 69
           6d 47 65 ...
code:141a.1 42          ??      42h    B
code:141b 54          ??      54h    T
code:141b.1 4e          ??      4Eh    N
code:141c 5f          ??      5Fh    _
code:141c.1 4d          ??      4Dh    M
code:141d 49          ??      49h    I
code:141d.1 43          ??      43h    C
code:141e 32          ??      32h    2
code:141e.1 00          ??      00h
code:141f 42          ??      42h    B
code:141f.1 54          ??      54h    T
code:1420 4e          ??      4Eh    N
code:1420.1 5f          ??      5Fh    _
code:1421 44          ??      44h    D
code:1421.1 4d          ??      4Dh    M
code:1422 45          ??      45h    E
code:1422.1 00          ??      00h
code:1423 42          ??      42h    B
code:1423.1 54          ??      54h    T
code:1424 4e          ??      4Eh    N
code:1424.1 5f          ??      5Fh    _
code:1425 4d          ??      4Dh    M
code:1425.1 49          ??      49h    I
code:1426 43          ??      43h    C
code:1426.1 31          ??      31h    1
code:1427 00          ??      00h
code:1427.1 42          ??      42h    B
code:1428 54          ??      54h    T
code:1428.1 4e          ??      4Eh    N
code:1429 5f          ??      5Fh    _
code:1429.1 41          ??      41h    A
code:142a 44          ??      44h    D
code:142a.1 46          ??      46h    F
code:142b 00          ??      00h
code:142b.1 42          ??      42h    B
code:142c 54          ??      54h    T

```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:142c.1 4e    ??    4Eh  N
code:142d 5f    ??    5Fh  -
code:142d.1 4e    ??    4Eh  N
code:142e 41    ??    41h  A
code:142e.1 56    ??    56h  V
code:142f 31    ??    31h  1
code:142f.1 00    ??    00h
code:1430 42    ??    42h  B
code:1430.1 54    ??    54h  T
code:1431 4e    ??    4Eh  N
code:1431.1 5f    ??    5Fh  -
code:1432 4e    ??    4Eh  N
code:1432.1 41    ??    41h  A
code:1433 56    ??    56h  V
code:1433.1 32    ??    32h  2
code:1434 00    ??    00h
code:1434.1 42    ??    42h  B
code:1435 54    ??    54h  T
code:1435.1 4e    ??    4Eh  N
code:1436 5f    ??    5Fh  -
code:1436.1 4d    ??    4Dh  M
code:1437 4b    ??    4Bh  K
code:1437.1 52    ??    52h  R
code:1438 00    ??    00h
code:1438.1 42    ??    42h  B
code:1439 54    ??    54h  T
code:1439.1 4e    ??    4Eh  N
code:143a 5f    ??    5Fh  -
code:143a.1 43    ??    43h  C
code:143b 4f    ??    4Fh  O
code:143b.1 4d    ??    4Dh  M
code:143c 31    ??    31h  1
code:143c.1 00    ??    00h
code:143d 42    ??    42h  B
code:143d.1 54    ??    54h  T
code:143e 4e    ??    4Eh  N
code:143e.1 5f    ??    5Fh  -
code:143f 43    ??    43h  C
code:143f.1 4f    ??    4Fh  O
code:1440 4d    ??    4Dh  M
code:1440.1 32    ??    32h  2
code:1441 00    ??    00h
code:1441.1 42 54 4e    ds    "BTN_REVERSION"
           5f 52 45
           56 45 52 ...
code:1448.1 42    ??    42h  B
code:1449 54    ??    54h  T
code:1449.1 4e    ??    4Eh  N
code:144a 5f    ??    5Fh  -
code:144a.1 43    ??    43h  C
code:144b 4c    ??    4Ch  L
code:144b.1 52    ??    52h  R
code:144c 00    ??    00h
code:144c.1 42    ??    42h  B
code:144d 54    ??    54h  T
code:144d.1 4e    ??    4Eh  N
code:144e 5f    ??    5Fh  -
code:144e.1 46    ??    46h  F
code:144f 50    ??    50h  P
code:144f.1 4c    ??    4Ch  L
code:1450 00    ??    00h
code:1450.1 42 54 4e    ds    "BTN_DIRECT"
           5f 44 49
           52 45 43 ...
code:1456 42 54 4e    ds    "BTN_ENT"
           5f 45 4e
           54 00
code:145a 42 54 4e    ds    "BTN_PROC"
           5f 50 52
           4f 43 00
code:145e.1 42 54 4e    ds    "BTN_MENU"
           5f 4d 45
           4e 55 00
code:1463 42 54 4e    ds    "BTN_ALT_SEL"
           5f 41 4c
           54 5f 53 ...
code:1469 42 54 4e    ds    "BTN_COM_FF"
           5f 43 4f
           4d 5f 46 ...
code:146e.1 42 54 4e    ds    "BTN_NAV_FF"
           5f 4e 41
           56 5f 46 ...
code:1474 42    ??    42h  B
code:1474.1 54    ??    54h  T
code:1475 4e    ??    4Eh  N
code:1475.1 5f    ??    5Fh  -

```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:1476 48      ??      48h  H
code:1476.1 44      ??      44h  D
code:1477 47      ??      47h  G
code:1477.1 5f      ??      5Fh  -
code:1478 53      ??      53h  S
code:1478.1 59      ??      59h  Y
code:1479 4e      ??      4Eh  N
code:1479.1 43      ??      43h  C
code:147a 00      ??      00h
code:147a.1 42 54 4e      ds      "BTN_NAV_VOL"
5f 4e 41
56 5f 56 ...
code:1480.1 42 54 4e      ds      "BTN_COM_VOL"
5f 43 4f
4d 5f 56 ...
code:1486.1 42 54 4e      ds      "BTN_SOFT_10"
5f 53 4f
46 54 5f ...
code:148c.1 42      ??      42h  B
code:148d 54      ??      54h  T
code:148d.1 4e      ??      4Eh  N
code:148e 5f      ??      5Fh  -
code:148e.1 53      ??      53h  S
code:148f 4f      ??      4Fh  O
code:148f.1 46      ??      46h  F
code:1490 54      ??      54h  T
code:1490.1 5f      ??      5Fh  -
code:1491 39      ??      39h  9
code:1491.1 00      ??      00h
code:1492 42      ??      42h  B
code:1492.1 54      ??      54h  T
code:1493 4e      ??      4Eh  N
code:1493.1 5f      ??      5Fh  -
code:1494 53      ??      53h  S
code:1494.1 4f      ??      4Fh  O
code:1495 46      ??      46h  F
code:1495.1 54      ??      54h  T
code:1496 5f      ??      5Fh  -
code:1496.1 38      ??      38h  8
code:1497 00      ??      00h
code:1497.1 42      ??      42h  B
code:1498 54      ??      54h  T
code:1498.1 4e      ??      4Eh  N
code:1499 5f      ??      5Fh  -
code:1499.1 53      ??      53h  S
code:149a 4f      ??      4Fh  O
code:149a.1 46      ??      46h  F
code:149b 54      ??      54h  T
code:149b.1 5f      ??      5Fh  -
code:149c 37      ??      37h  7
code:149c.1 00      ??      00h
code:149d 42      ??      42h  B
code:149d.1 54      ??      54h  T
code:149e 4e      ??      4Eh  N
code:149e.1 5f      ??      5Fh  -
code:149f 53      ??      53h  S
code:149f.1 4f      ??      4Fh  O
code:14a0 46      ??      46h  F
code:14a0.1 54      ??      54h  T
code:14a1 5f      ??      5Fh  -
code:14a1.1 36      ??      36h  6
code:14a2 00      ??      00h
code:14a2.1 42      ??      42h  B
code:14a3 54      ??      54h  T
code:14a3.1 4e      ??      4Eh  N
code:14a4 5f      ??      5Fh  -
code:14a4.1 53      ??      53h  S
code:14a5 4f      ??      4Fh  O
code:14a5.1 46      ??      46h  F
code:14a6 54      ??      54h  T
code:14a6.1 5f      ??      5Fh  -
code:14a7 35      ??      35h  5
code:14a7.1 00      ??      00h
code:14a8 42 54 4e      ds      "BTN_SOFT_11"
5f 53 4f
46 54 5f ...
code:14ae 42 54 4e      ds      "BTN_SOFT_12"
5f 53 4f
46 54 5f ...
code:14b4 42 54 4e      ds      "BTN_NAV_TOG"
5f 4e 41
56 5f 54 ...
code:14ba 42      ??      42h  B
code:14ba.1 54      ??      54h  T
code:14bb 4e      ??      4Eh  N
code:14bb.1 5f      ??      5Fh  -

```

Ghidra-RealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:14bc 50      ??      50h  P
code:14bc.1 41    ??      41h  A
code:14bd 4e     ??      4Eh  N
code:14bd.1 5f     ??      5Fh  -
code:14be 44     ??      44h  D
code:14be.1 4e     ??      4Eh  N
code:14bf 00     ??      00h
code:14bf.1 42 54 4e   ds      "BTN_PAN_RIGHT"
5f 50 41
4e 5f 52 ...
code:14c6.1 42 54 4e   ds      "BTN_PAN_UP"
5f 50 41
4e 5f 55 ...
code:14cc 42 54 4e   ds      "BTN_PAN_LEFT"
5f 50 41
4e 5f 4c ...
code:14d2.1 42 54 4e   ds      "BTN_PAN_SYNC"
5f 50 41
4e 5f 53 ...
code:14d9 42 54 4e   ds      "BTN_COM_TOG"
5f 43 4f
4d 5f 54 ...
code:14df 42      ??      42h  B
code:14df.1 54      ??      54h  T
code:14e0 4e     ??      4Eh  N
code:14e0.1 5f     ??      5Fh  -
code:14e1 46     ??      46h  F
code:14e1.1 4d     ??      4Dh  M
code:14e2 53     ??      53h  S
code:14e2.1 00     ??      00h
code:14e3 42 54 4e   ds      "BTN_CRS_SYNC"
5f 43 52
53 5f 53 ...
code:14e9.1 42      ??      42h  B
code:14ea 54      ??      54h  T
code:14ea.1 4e     ??      4Eh  N
code:14eb 5f     ??      5Fh  -
code:14eb.1 41     ??      41h  A
code:14ec 50     ??      50h  P
code:14ec.1 00     ??      00h
code:14ed 42     ??      42h  B
code:14ed.1 54     ??      54h  T
code:14ee 4e     ??      4Eh  N
code:14ee.1 5f     ??      5Fh  -
code:14ef 46     ??      46h  F
code:14ef.1 44     ??      44h  D
code:14f0 00     ??      00h
code:14f0.1 42     ??      42h  B
code:14f1 54     ??      54h  T
code:14f1.1 4e     ??      4Eh  N
code:14f2 5f     ??      5Fh  -
code:14f2.1 48     ??      48h  H
code:14f3 44     ??      44h  D
code:14f3.1 47     ??      47h  G
code:14f4 00     ??      00h
code:14f4.1 42     ??      42h  B
code:14f5 54     ??      54h  T
code:14f5.1 4e     ??      4Eh  N
code:14f6 5f     ??      5Fh  -
code:14f6.1 41     ??      41h  A
code:14f7 4c     ??      4Ch  L
code:14f7.1 54     ??      54h  T
code:14f8 00     ??      00h
code:14f8.1 42     ??      42h  B
code:14f9 54     ??      54h  T
code:14f9.1 4e     ??      4Eh  N
code:14fa 5f     ??      5Fh  -
code:14fa.1 4e     ??      4Eh  N
code:14fb 41     ??      41h  A
code:14fb.1 56     ??      56h  V
code:14fc 00     ??      00h
code:14fc.1 42     ??      42h  B
code:14fd 54     ??      54h  T
code:14fd.1 4e     ??      4Eh  N
code:14fe 5f     ??      5Fh  -
code:14fe.1 56     ??      56h  V
code:14ff 4e     ??      4Eh  N
code:14ff.1 41     ??      41h  A
code:1500 56     ??      56h  V
code:1500.1 00     ??      00h
code:1501 42     ??      42h  B
code:1501.1 54     ??      54h  T
code:1502 4e     ??      4Eh  N
code:1502.1 5f     ??      5Fh  -
code:1503 41     ??      41h  A
code:1503.1 50     ??      50h  P

```

GhidraRealSimGear-Arduino-3.2.4-G1000XFD.ino.mega.hex

```

code:1504 52      ??      52h  R
code:1504.1 00    ??      00h
code:1505 42      ??      42h  B
code:1505.1 54    ??      54h  T
code:1506 4e      ??      4Eh  N
code:1506.1 5f    ??      5Fh  _
code:1507 42      ??      42h  B
code:1507.1 43    ??      43h  C
code:1508 00      ??      00h
code:1508.1 42    ??      42h  B
code:1509 54      ??      54h  T
code:1509.1 4e    ??      4Eh  N
code:150a 5f      ??      5Fh  _
code:150a.1 56    ??      56h  V
code:150b 53      ??      53h  S
code:150b.1 00    ??      00h
code:150c 42 54 4e ds      "BTN_NOSE_UP"
           5f 4e 4f
           53 45 5f ...
code:1512 42      ??      42h  B
code:1512.1 54    ??      54h  T
code:1513 4e      ??      4Eh  N
code:1513.1 5f    ??      5Fh  _
code:1514 46      ??      46h  F
code:1514.1 4c    ??      4Ch  L
code:1515 43      ??      43h  C
code:1515.1 00    ??      00h
code:1516 42 54 4e ds      "BTN_NOSE_DN"
           5f 4e 4f
           53 45 5f ...
code:151c 42 54 4e ds      "BTN_SOFT_1"
           5f 53 4f
           46 54 5f ...
code:1521.1 42 54 4e ds      "BTN_SOFT_2"
           5f 53 4f
           46 54 5f ...
code:1527 42 54 4e ds      "BTN_SOFT_3"
           5f 53 4f
           46 54 5f ...
code:152c.1 42    ??      42h  B
code:152d 54      ??      54h  T
code:152d.1 4e    ??      4Eh  N
code:152e 5f      ??      5Fh  _
code:152e.1 53    ??      53h  S
code:152f 4f      ??      4Fh  O
code:152f.1 46    ??      46h  F
code:1530 54      ??      54h  T
code:1530.1 5f    ??      5Fh  _
code:1531 34      ??      34h  4
code:1531.1 00    ??      00h
.....
//
// regalias
// mem:0000-mem:001f
//
assume R1 = <UNKNOWN>
    ^
    ^ R1R0
    ^ R0
    ^ R7R6R5R4R3R2R1R0
mem:0000      ??      ??

    ^
    ^ R1
mem:0001      ??      ??

    ^
    ^ R2
    ^ R3R2
mem:0002      ??      ??

    ^
    ^ R3
mem:0003      ??      ??

    ^
    ^ R4
    ^ R5R4
mem:0004      ??      ??

    ^
    ^ R5
mem:0005      ??      ??

    ^
    ^ R6
    ^ R7R6
mem:0006      ??      ??

    ^
    ^ R7
mem:0007      ??      ??

```