

Debug

- Version 1.3_FLASH_PnE Full Chip Simulator [CodeWarrior]
 - HCS08, Version1.3.abs (Suspended)
 - Thread [ID: 0x0] (Suspended: Breakpoint hit)
 - 4 ReadTemperature() atd.c:229 0xf101
 - 3 Controller() controller.c:92 0xf277
 - 2 main() main.c:55 0xf2cb
 - 1 0xBABA (0xBABA)() 0xbaba

C:\Battery Manager\Battery Manager RES Ver. 1.3\Version 1.3\FLASH\Version1.3.abs (5/7/18 5:13 PM)

Monitors

0x0060: 0x60 <Hex Integer>

| Address | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | B | C | D | E | F |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 00000060 | 00 | 00 | 01 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 01 | C4 | 15 | 00 | 15 |
| 00000070 | 01 | 82 | 00 | 01 | 82 | 01 | 82 | 01 | 82 | 01 | 81 | 01 | 82 | 02 | 02 | 01 |
| 00000080 | 80 | 01 | C4 | 3D | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |
| 00000090 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |
| 000000A0 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |
| 000000B0 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |
| 000000C0 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |
| 000000D0 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |
| 000000E0 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |
| 000000F0 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |
| 00000100 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |
| 00000110 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |

```

main.c  commtimer.c  commtimer.h  controller.c  controller.h  cortable.c  cortable.h  ram.c  ram.h  programmer.c  atd.c
/* Get correction values for temperature */
/* C code */
/* Clear H register. Compiler error when using a 16bit offset to address */
asm CLRH;
cT_Corr = caTempCorr[ucStartPgmAdr];

/* Get correction value for temperature */
/* Assembler code */
//GetTempCorr();

/* Update temperature with correction value */
cTemperature = cRawTemperature + cT_Corr;

/* Range check temperature between -40 and 125 degree */
if (cTemperature > 125) {
    cTemperature = 125;
} else if (cTemperature < -40) {
    cTemperature = -40;
}

/* Get correction values for voltage */
/* C code */
/* Clear H register. Compiler error when using a 16bit offset to address */
asm CLRH;
cV_Corr = caVoltCorr[ucStartPgmAdr];
    
```

Disassembly

```

f0fa: A71C AIS #28
f0fc: 2302 BLS *+4 ReadTemperature+0x56 (0xf100)
223      ucStartPgmAdr = 0;
f0fe: 3F83 CLR 0x83
228      asm CLRH;
f100: 8C CLRH
v229    cT_Corr = caTempCorr[ucStartPgmAdr];
f101: BE83 LDX 0x83
f103: 8C CLRH
f104: D6FCD0 LDA 64720,X
f107: B76E STA 0x6E
236      cTemperature = cRawTemperature + cT_Corr;
f109: BB6D ADD 0x6D
f10b: B76F STA 0x6F
239      if (cTemperature > 125) {
f10d: A17D CMP #0x7D
f10f: 9305 BLE *+7 ReadTemperature+0x56 (0xf116)
240      cTemperature = 125;
f111: 6E7D6F MOV #0x7D,0x6F
241      } else if (cTemperature < -40) {
f114: 2008 BRA *+10 ReadTemperature+0x74 (0xf11e)
f116: A1D8 CMP #0xD8
f118: 9004 BRG *+6 ReadTemperature+0x74 (0xf11e)
    
```

Commander

- Project Creation
 - Import project
 - Import example project
 - Import MCU executable file
- Build/Debug
 - Build (All)
 - Clean (All)
 - Debug
- Settings
 - Project settings
 - Build settings
 - Debug settings
- Miscellaneous
 - Welcome screen
 - Quick access
 - Flash program

Console

Problems

HCS08, Version1.3.abs