

## HA-8-3 Board Resources

### Memory

The HA-8-3 does not use any part of the H8 memory space

### I/O Ports

*All I/O ports are assigned using GAL U5*

066Q	Soft Reset (any write to this port resets the VDP)
270-271Q	Video Display Processor (VDP)
272-273Q	Programmable Sound Generator (PSG)

*Default Assignments, Jumper JP14 Removed*

364-365Q	Analog to Digital Converter (ADC)
366-367Q	Arithmetic Processing Unit (APU)

*Alternate Assignments, Jumper JP14 Installed*

274-275Q	Analog to Digital Converter (ADC)
276-277Q	Arithmetic Processing Unit (APU)

### Interrupts

By default, interrupts are not used on the HA-8-3  
The VDP and APU are capable of generating interrupts  
Jumper selected for INT 3,4,5 or 6 using P12 and P13