

QHdr structure

```
#include <OSUtils.h>
```

		<u>Size</u>	<u>Offset</u>	<u>Description</u>
typedef struct QHdr {	<u>short</u> qFlags;	2	0	Various flags, differs per queue type
	<u>QElemPtr</u> qHead;	4	2	Address of first queue element
	<u>QElemPtr</u> qTail;	4	6	Address of last queue element
} QHdr ;		10		

```
typedef QHdr *QHdrPtr;
```

Notes: All standard Operating System queues have a QHdr structure which contains pointers to the first and last queue elements. Use **Enqueue** and **Dequeue** to manipulate queues created by your application. The various managers handle their queues internally. The following calls return a QHdrPtr:

<u>GetDrvQHdr</u>	Drive queue elements are <u>DrvQEI</u> structures
<u>GetEvQHdr</u>	Event queue elements are <u>EvQEI</u> structures
<u>GetFSQHdr</u>	I/O queue elements are <u>ParamBlockRec</u> (et al.) structs
<u>GetVBLQHdr</u>	Vertical retrace tasks are <u>VBLTask</u> structures
<u>GetVCBQHdr</u>	Volume control blocks are <u>VCB</u> structures

The qFlags field is largely undocumented. We are told that in the vertical retrace queue header, if qFlags bit 6 is set, a task is currently being executed.