```
* @ptr:
               the &struct list head pointer.
* @tvpe:
               the type of the struct this is embedded in.
* @member:
               the name of the list struct within the struct.
#define list entry(ptr, type, member) \
       container_of(ptr, type, member)
#define container of (ptr, type, member) ({
       const typeof( ((type *)0)->member ) * mptr = (ptr); \
        (type *) ( (char *) mptr - offsetof(type, member) ); })
#define offsetof(TYPE, MEMBER) ((size t) &((TYPE *)0)->MEMBER)
```

* list entry - get the struct for this entry

* /