**SReadByte** Return an ID byte

#include <Slots.h> **Slot Manager**

OSErr **SReadByte(***spBlkPtr)*;
SpBlockPtr *spBlkPtr* ; address of 56-byte **Slot Parameter Block** structure
***returns*** Error Code; 0=no error

**SReadByte** returns an 8-bit value identified by spID.

*spBlkPtr* is the address of a 56-byte **Slot Parameter Block** structure. The relevant fields are as follows:

| Out-In | Name | Type | Size | Offset | Description |
|---|---|---|---|---|---|
| ← | spResult | long | 4 | 0 | FUNCTION result |
| → | spsPointer | Ptr | 4 | 4 | Structure pointer |
| → | spID | char | 1 | 50 | sResource list ID |

Other parameters affected are:

| | | | | |
|---|---|---|---|---|
| spsOffsetData | long | 4 | 12 | Offset/data field |
| spByteLanes | char | 1 | 53 | ByteLanes from format block in card ROM |

**Returns**: an operating system Error Code. It will be one of:

| | | |
|---|---|---|
| noErr | (0) | No error |
| smEmptySlot | (-300) | No card in slot. |
| smCRCFail | (-301) | CRC check failed. |
| smFormatErr | (-302) | FHeader format is not Apple's |
| smRevisionErr | (-303) | The revision of the card's declaration ROM is wrong. |
| smNoDir | (-304) | Directory offset is NIL |
| smNosInfoArray | (-306) | The SDM could not allocate memory for the sInfo array. |
| smResrvErr | (-307) | A reserved field of the declaration ROM was used. |
| smUnExBusErr | (-308) | An unexpected bus error occurred. |
| smBLFieldBad | (-309) | A valid ByteLanes field was not found. |
| smDisposePErr | (-312) | An error occurred during execution of DisposPointer. |
| smNoBoardSRsrc | (-313) | There is no board sResource. |
| smGetPRErr | (-314) | Error during execution of sGetPRAMRec. |
| smNoBoardId | (-315) | There is no board ID. |
| smInitStatVErr | (-316) | The InitStatus_V field was negative after Primary or Secondary Init. |
| smInitTblVErr | (-317) | Error while trying to initialize the sResource Table. |
| smNoJmpTbl | (-318) | **Slot Manager** jump table could not be created |
| smBadBoardId | (-319) | Board ID was wrong; reinit the PRAM record |

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Notes: The trap macro **SReadByte** finds a data structure in slot card firmware. It returns in spResult an 8-bit value identified by spID from the sResource list pointed to by spsPointer. This routines' low-order byte can return non-fatal error reports, which will be one of the following:

| | | |
|---|---|---|
| smBadRefId | (-330) | Reference ID was not found in the given sResource list. |
| smBadsList | (-331) | The IDs in the sResource list are not in ascending order. |
| smReservedErr | (-332) | A reserved field was not zero. |
| smCodeRevErr | (-333) | Wrong revision of the code to be executed by sExec. |
| smCPUErr | (-334) | The CPU field of the code was wrong. |
| smsPointerNil | (-335) | LPointer is nil From sOffsetData. If this error occurs; |

| | | |
|---|---|---|
| | | check sInfo rec for more information. |
| smNilsBlockErr | (-336) | The physical block size (of an sBlock) was zero. |
| smSlotOOBErr | (-337) | The given slot was out of bounds (or does not exist). |
| smSelOOBErr | (-338) | Selector out of bounds error |
| smNewPErr | (-339) | An error occurred during execution of NewPointer. |
| smCkStatusErr | (-341) | Status of slot is bad (InitStatus_A,V). |
| smGetDrvrNamErr | (-342) | An error occurred during execution of sGetDrvrName. |
| smNoMoresRsrcs | (-344) | No more sResources. |
| smsGetDrvrErr | (-345) | An error occurred during execution of sGetDrvr. |
| smBadsPtrErr | (-346) | A bad sPointer was presented to sCalcsPointer. |
| smByteLanesErr | (-347) | NumByteLanes was determined to be zero. |
| smSRTOvrFlErr | (-350) | Slot Resource Table overflow. |
| smRecNotFnd | (-351) | Record not found in the Slot Resource Table. |