SNextTypeSRsrc   Return information about sResources of a specified type.

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

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

    SNextTypeSRsrc behaves the same as **SNextSRsrc** except that it returns
information only about sResources of the specified type.

       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
←	spsPointer	Ptr	4	4	Structure pointer
←	spIOReserved	short	2	36	Reserved field of Slot Resource Table
←	spRefNum	short	2	38	Slot Resource Table reference number
↔	spCategory	short	2	40	sResource type: Category
↔	spCType	short	2	42	sResource type: Type
↔	spDrvrSW	short	2	44	sResource type: Driver software identifier
↔	spDrvrHW	short	2	46	sResource type: Driver hardware identifier
→	spTBMask	char	1	48	Type bit mask (bits 0..3 mask words 0..3)
↔	spSlot	char	1	49	Slot number
↔	spID	char	1	50	sResource list ID
↔	spExtDev	char	1	51	External device identifier
↔	spHwDev	char	1	52	Hardware device identifier

    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

Notes: Given an sResource type (category, cType, software, and hardware) and
spTBMask, and starting from a given slot number, spSlot, and sResource
list identification number, spID, the trap macro **SNextTypeSRsrc**
returns the slot number, spSlot, sResource list identification number,
spID, and Slot Resource Table ioReserved field (spIOReserved) for the
next sResource of that type, as masked. If there are no more sResources of
that type, **SNextTypeSRsrc** returns a nonfatal error report, which can
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.

The spTBMask field lets you mask off specific fields of the sResource type that you do not care about, by setting any of bits 0-3. Bit 3 masks off the spCategory field; bit 2 the spCType field; bit 1 the spDrvrSW field; and bit 0 the spDrvrHW field.